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### **1.867 swr 2.1.5**

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## **1.1 copy-concurrently 1.0.5**

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## 1.5 ip 1.1.5

## 1.6 uuid 3.4.0

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 * UUIDGen.java
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\* Created 07.02.2003

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\* MACAddressParserTest.java

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## 1.10 xdg-user-dirs 0.17-2ubuntu1

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## 1.11 coreutils 8.30-3ubuntu2

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man/humanize\_number.3bsd  
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man/getpeereid.3bsd

man/pidfile.3bsd

src/expand\_number.c

src/hash/sha512.h

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man/strtonum.3bsd  
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src/arc4random\_linux.h  
src/arc4random\_openbsd.h  
src/arc4random\_uniform.c  
src/arc4random\_unix.h  
src/arc4random\_win.h  
src/closefrom.c

src/getentropy\_aix.c  
src/getentropy\_bsd.c  
src/getentropy\_hpux.c  
src/getentropy\_hurd.c  
src/getentropy\_linux.c  
src/getentropy\_osx.c  
src/getentropy\_solaris.c  
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## 1.15 libxau 1.0.9-0ubuntu1

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## 1.25 libcap-ng 0.7.9-2.1build1

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## 1.26 d-conf 0.36.0-1

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Any executables

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That's all there is to it!

## 1.31 libpng 1.6.37-2

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## 1.38 byte-size 5.0.1

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## 1.39 xorg 7.7+19ubuntu14

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Source Package: xorg

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Upstream-Contact: Anibal Monsalve Salazar <anibal@debian.org>

Source: <https://alioth.debian.org/projects/collab-maint/sensible-utils.git>

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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```
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Ty Coon, President of Vice
```

That's all there is to it!

## 1.52 sed 4.7-1

## 1.52.1 Available under license :

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Version 3, 29 June 2007

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Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

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section 10

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bzip2/libbzip2 version 1.0.8 of 13 July 2019

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## 1.56 cracklib 2.9.6-3.2

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^L

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b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

That's all there is to it!

-----  
EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)  
-----

Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license  
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML  
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=  
r=20  
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists  
=2Dmike

Re: [Cracklib-devel] cracklib license  
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18  
I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a

clarification of the licensing that was already in place.=20

-- Nathan  
=20

-----  
Nathan Neulinger EMail: nneul@um...  
University of Missouri - Rolla Phone: (573) 341-6679  
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----  
> From: cracklib-devel-bounces@li...  
> [mailto:cracklib-devel-bounces@li...] On Behalf Of  
> Mike Frysinger  
> Sent: Monday, October 01, 2007 8:15 PM  
> To: cracklib-devel@li...  
> Subject: [Cracklib-devel] cracklib license  
>=20  
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing  
> libraries under  
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists  
> -mike

Re: [Cracklib-devel] cracklib license  
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML  
On Monday 01 October 2007, Neulinger, Nathan

wrote:

> I understand that, and you're welcome to bring it up with Alec directly  
> and see if he wants to relicense his code as LGPL... but at this point,  
> it was enough to just get it consistent and documented as to what it was  
> released under. This wasn't actually a license change, just a  
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20  
GPL-2 ... it was a modified artistic license ... i didnt notice the license=  
=20  
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=  
eir=20  
applications are also GPL-2 which imo is just wrong. it isnt the place of =  
a=20  
library to dictact to application writes what license they should be using.=  
=20  
thus LGPL-2.1 enters to fill this void.  
=2Dmike

Re: [Cracklib-devel]

cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan

=20

-----  
Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----

> From: cracklib-devel-bounces@li...

> [mailto:cracklib-devel-bounces@li...] On Behalf Of

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:33 PM

> To: Neulinger, Nathan

> Cc: cracklib-devel@li...; Alec Muffett

> Subject: Re: [Cracklib-devel] cracklib license

>=20

> On Monday 01 October 2007, Neulinger, Nathan wrote:

>> I understand that, and you're welcome to bring it up with Alec

> directly

>> and see if he wants to relicense his code as LGPL... but at this

> point,

>> it was enough to just get it consistent and documented as to what

> it was

>> released under. This wasn't actually a license change, just a

>> clarification of the licensing that was already in place.

>=20

> the original license (before moving to sourceforge -- aka, 2.7) was

> not

> GPL-2 ... it was a modified artistic license ... i didnt notice the

> license

> change until it was mentioned in the latest notes.

>=20

> unlike the old license, GPL-2 prevents people from using cracklib

> unless their

> applications are also GPL-2 which imo is just wrong. it isnt the

> place of a

> library



to dictact to application writes what license they should

- > be using.
- > thus LGPL-2.1 enters to fill this void.
- > -mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

- > Seems like the ideal thing here would be for you and the other distro
- > maintainers to get together with Alec in a conversation and come to a
- > decision as to what licensing scheme y'all want. I haven't really done
- > much other than cleaning up the packaging and patches and a small
- > bit of
- > additional code, so whatever licensing y'all come up with is fine
- > by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license

From: Devin Reade <gdr@gn...> - 2007-10-02 15:04

I would like to see it under LGPL as well. I

think it is in everyone's

best interests to have as secure systems as possible, and I think tainting it via GPL will just make it less likely that the library gets used, and will not usually cause companies/developers to GPL the dependent code (where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct license in this situation.

Devin

--

If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32

On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

- >> Seems like the ideal thing here would be for you and the other distro
- >> maintainers to get together with Alec in a conversation and come to a
- >> decision as to what licensing scheme y'all want. I haven't really done
- >> much other than cleaning up the packaging and patches and a small

>> bit of  
>> additional  
code, so whatever licensing y'all come up with is fine  
>> by me.  
>  
> I am sympathetic. Guys, what do you reckon?  
>  
> What I am hearing so far is that LGPL makes sense, since it can be  
> linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable  
timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately,  
GPLv2 with the option of using the library under a later version of the  
GPL would permit applications which were released under version 3 of the  
GPL to use the library, too, which would be sufficient for the packages  
which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license  
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:  
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:  
>>> Seems like the ideal thing here would be for you and the other distro  
>>> maintainers to get together with Alec in a conversation and come to a  
>>> decision as to what licensing scheme y'all want. I haven't really done  
>>> much other than cleaning up the packaging and patches and a small  
>>> bit of  
>>> additional code, so whatever licensing y'all come up with is fine  
>>> by me.  
>>  
>> I am sympathetic. Guys, what do you reckon?  
>>  
>> What I am hearing so far is that LGPL makes sense, since it can be  
>> linked with any code, not just GPL...  
>  
> My apologies for not chiming in in anything resembling a reasonable  
> timeframe.

>  
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> GPLv2 with the option of using  
the library under a later version of the  
> GPL would permit applications which were released under version 3 of the  
> GPL to use the library, too, which would be sufficient for the packages  
> which are included in Fedora. FWIW, I'd personally lean toward LGPL.  
>  
> In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make  
the change now ?  
-mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

>> In any case, I thank you both for working on sorting this out.

>

> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make  
> the change now ?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML

On Sunday 05 October

2008, Alec Muffett wrote:

> >> In any case, I thank you both for working on sorting this out.

> >

> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we  
> > make the change now ?

>

> yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...

-mike

-----  
BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.  
-----

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

-----

From  
alecm@crypticide.com Mon Oct 1 12:26:03 2007  
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);  
Mon, 1 Oct 2007 12:26:03 -0500  
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);  
Mon, 1 Oct 2007 12:26:02 -0500  
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000  
Received: from smtp1.srv.mst.edu (131.151.1.43)  
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000  
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])  
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtpr020623  
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500  
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])  
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311  
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)  
Received: from  
[82.68.43.14] (helo=[192.168.1.3])  
by rutherford.zen.co.uk with esmtp (Exim 4.50)  
id 1IcOcX-0004Qt-6L  
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000  
Mime-Version: 1.0 (Apple Message framework v752.2)  
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
References: <1190922867.3457.147.camel@localhost.localdomain>  
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>  
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed  
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>  
Content-Transfer-Encoding: 7bit  
From: Alec Muffett <alecm@crypticide.com>  
Subject: Re: cracklib license

Date: Mon, 1 Oct 2007 17:59:46 +0100  
To: Nathan Neulinger <nneul@neulinger.org>  
X-Mailer: Apple Mail (2.752.2)  
X-Originating-Rutherford-IP: [82.68.43.14]  
Return-Path: alecm@crypticide.com  
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]  
Status: RO  
Content-Length:  
585  
Lines: 21

>  
> ----- Forwarded message -----  
> From: Neulinger, Nathan <nneul@umr.edu>  
> Date: Sep 27, 2007 2:58 PM  
> Subject: RE: cracklib license  
> To: alecm@crypto.dircon.co.uk  
>  
> Any chance you could write me a self-contained email stating clearly  
> that the license is being changed to GPL, so I could include that  
> email  
> in the repository and clean up the repository/tarballs? I have all the  
> original discussion, but something succinct and self contained  
> would be  
> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

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```

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```
* /opt/ws_local/PERMITS_SQL/1078202330_1597270881.42/0/fis-components-lodash-restparam-3-6-1-0-g4b84b80-tar-gz/fis-components-lodash.restparam-3692f6f/index.js
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```
* /opt/ws_local/PERMITS_SQL/1078202342_1597270964.99/0/fis-components-lodash-bindcallback-3-0-1-0-ga3774f0-tar-gz/fis-components-lodash._bindcallback-ef3539e/index.js
```

## 1.67 lodash-cacheindexof 3.0.2

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```

Found in path(s):

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* /opt/ws_local/PERMITS_SQL/1078202442_1597270786.77/0/fis-components-lodash-getnative-3-9-1-0-g99a6587-tar-gz/fis-components-lodash._getnative-20042e8/index.js
```

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\* /opt/cola/permits/1110632783\_1607450976.71/0/isarray-1-0-0-7-tgz/package/README.md

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// Original can be found at:

// <https://bitbucket.org/lindenlab/lld>

// Modifications by Joshua Bell [inexorable@lindenlab.com](mailto:inexorable@lindenlab.com)

// <https://github.com/inexorable/polyfill>

// ES3/ES5 implementation of the Khronos Typed Array Specification

// Ref: <http://www.khronos.org/registry/typedarray/specs/latest/>

// Date: 2011-02-01

//

// Variations:

// \* Allows `typed_array.get/set()` as alias for subscripts (`typed_array[]`)

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- project has been modified to work in Node and some refactoring was done for code cleanup

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# 1.100 http-proxy-agent 2.1.0

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http-proxy-agent

=====

### An HTTP(s) proxy `http.Agent` implementation for HTTP

[![Build Status](https://travis-ci.org/TooTallNate/node-http-proxy-agent.svg?branch=master)](https://travis-ci.org/TooTallNate/node-http-proxy-agent)

This module provides an `http.Agent` implementation that connects to a specified HTTP or HTTPS proxy server, and can be used with the built-in `http` module.

Note: For HTTP proxy usage with the `https` module, check out

[`node-https-proxy-agent`](https://github.com/TooTallNate/node-https-proxy-agent).

Installation

-----

Install with `npm`:

```
``` bash
$ npm install http-proxy-agent
```
```

Example

-----

```
``` js
var url = require('url');
var http = require('http');
var HttpProxyAgent = require('http-proxy-agent');
```

```

// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);

// HTTP endpoint
for the proxy to connect to
var endpoint = process.argv[2] || 'http://nodejs.org/api/';
console.log('attempting to GET %j', endpoint);
var opts = url.parse(endpoint);

// create an instance of the `HttpProxyAgent` class with the proxy server information
var agent = new HttpProxyAgent(proxy);
opts.agent = agent;

http.get(opts, function (res) {
  console.log('"response" event!', res.headers);
  res.pipe(process.stdout);
});
...

```

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-----

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Found in path(s):

\* /opt/cola/permits/1110633572\_1612225616.61/0/http-proxy-agent-2-1-0-5-tgz/package/README.md

## 1.101 pumpify 1.5.1

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validate-npm-package-license

=====

Give me a string and I'll tell you if it's a valid npm package license string.

```
```javascript
var valid = require('validate-npm-package-license');
```
```

SPDX license identifiers are valid license strings:

```
```javascript

var assert = require('assert');
var validSPDXExpression = {
  validForNewPackages: true,
  validForOldPackages: true,
  spdx: true
};
```

```
assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);
...

```

The function will return a warning and suggestion for nearly-correct license identifiers:

```
```javascript
assert.deepEqual(
  valid('Apache 2.0'),
  {
    validForOldPackages: false,
    validForNewPackages: false,
    warnings: [
      'license should be ' +
      'a valid SPDX license expression (without "LicenseRef"), ' +
      "'UNLICENSED", or ' +
      "'SEE LICENSE IN <filename>",
      'license is similar to the valid expression "Apache-2.0"'
    ]
  }
);
...

```

SPDX expressions are valid, too ...

```
```javascript
// Simple SPDX license expression for dual licensing
assert.deepEqual(
  valid('(GPL-3.0-only OR BSD-2-Clause)'),
  validSPDXExpression
);
...

```

... except if they contain `LicenseRef`:

```
```javascript
var warningAboutLicenseRef = {
  validForOldPackages: false,
  validForNewPackages: false,
  spdx: true,
  warnings: [
    'license should be ' +
    'a valid SPDX license expression (without "LicenseRef"), ' +
    "'UNLICENSED", or ' +
    "'SEE LICENSE IN <filename>",
  ]
}

```

```

};

assert.deepEqual(
  valid('LicenseRef-Made-Up'),
  warningAboutLicenseRef
);

assert.deepEqual(
  valid('(MIT OR LicenseRef-Made-Up)'),
  warningAboutLicenseRef
);
...

```

If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package and point users there:

```

```javascript
assert.deepEqual(
  valid('SEE
LICENSE IN LICENSE.txt'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'LICENSE.txt'
  }
);

assert.deepEqual(
  valid('SEE LICENSE IN license.md'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'license.md'
  }
);
...

```

If there aren't any licensing terms, use `UNLICENSED`:

```

```javascript
var unlicensed = {
  validForNewPackages: true,
  validForOldPackages: true,
  unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENSED'), unlicensed);
...

```

# 1.104 genfun 5.0.0

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# 1.130 cidr-regex 2.0.10

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## 1.132 which 1.3.1

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\* /opt/cola/permits/1110635849\_1607035374.31/0/imurmurhash-0-1-4-4-tgz/package/README.md

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# 1.155 oauth-sign 0.9.0

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wewidth.js: JavaScript Portng of Markus Kuhn's wewidth() Implementation

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## 1.226 readdir-scoped-modules 1.1.0

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## 1.227 infer-owner 1.0.4

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## 1.228 https-proxy-agent 2.2.4

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```
https-proxy-agent
```

```
=====
```

```
### An HTTP(s) proxy `http.Agent` implementation for HTTPS
```

```
[![Build Status](https://travis-ci.org/TooTallNate/node-https-proxy-agent.svg?branch=master)](https://travis-ci.org/TooTallNate/node-https-proxy-agent)
```

This module provides an `http.Agent` implementation that connects to a specified HTTP or HTTPS proxy server, and can be used with the built-in `https` module.

Specifically, this `Agent` implementation connects to an intermediary "proxy" server and issues the [CONNECT HTTP method][CONNECT], which tells the proxy to open a direct TCP connection to the destination server.

Since this agent implements the CONNECT HTTP method, it also works with other protocols that use this method when connecting over proxies (i.e. WebSockets).

See the "Examples" section below for more.

Installation

```
-----
```

Install with `npm`:

```
``` bash
$ npm install https-proxy-agent
```
```

Examples

```
-----
```

```
####
```

```
`https` module example
```

```
``` js
var url = require('url');
var https = require('https');
var HttpsProxyAgent = require('https-proxy-agent');
```

```

// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);

// HTTPS endpoint for the proxy to connect to
var endpoint = process.argv[2] || 'https://graph.facebook.com/tootallnate';
console.log('attempting to GET %j', endpoint);
var options = url.parse(endpoint);

// create an instance of the `HttpsProxyAgent` class with the proxy server information
var agent = new HttpsProxyAgent(proxy);
options.agent = agent;

https.get(options, function (res) {
  console.log('"response" event!', res.headers);
  res.pipe(process.stdout);
});
```



#### `ws` WebSocket connection example



```

``` js
var url = require('url');
var WebSocket = require('ws');
var HttpsProxyAgent = require('https-proxy-agent');

// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy
  || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);

// WebSocket endpoint for the proxy to connect to
var endpoint = process.argv[2] || 'ws://echo.websocket.org';
var parsed = url.parse(endpoint);
console.log('attempting to connect to WebSocket %j', endpoint);

// create an instance of the `HttpsProxyAgent` class with the proxy server information
var options = url.parse(proxy);

var agent = new HttpsProxyAgent(options);

// finally, initiate the WebSocket connection
var socket = new WebSocket(endpoint, { agent: agent });

socket.on('open', function () {
  console.log('"open" event!');
  socket.send('hello world');
});

```


```

```
});

socket.on('message', function (data, flags) {
  console.log("message" event! %j %j', data, flags);
  socket.close();
});
...

```

API

---

```
### new HttpsProxyAgent(Object options)
```

The `HttpsProxyAgent` class implements an `http.Agent` subclass that connects to the specified "HTTP(s) proxy server" in order to proxy HTTPS and/or WebSocket requests.

This is achieved by using the [HTTP `CONNECT` method][CONNECT].

The `options` argument may either be a string URI of the proxy server to use, or an "options" object with more specific properties:

- \* `host` - String - Proxy host to connect to (may use `hostname` as well). Required.
- \* `port` - Number - Proxy port to connect to. Required.
- \* `protocol` - String - If `https:`, then use TLS to connect to the proxy.
- \* `headers` - Object - Additional HTTP headers to be sent on the HTTP CONNECT method.
- \* Any other options given are passed to the `net.connect()`/`tls.connect()` functions.

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[CONNECT]: [http://en.wikipedia.org/wiki/HTTP\\_tunnel#HTTP\\_CONNECT\\_Tunneling](http://en.wikipedia.org/wiki/HTTP_tunnel#HTTP_CONNECT_Tunneling)

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\* /opt/cola/permits/1112087480\_1607035434.28/0/https-proxy-agent-2-2-4-6-tgz/package/README.md

## 1.229 socks 2.3.3

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```
* /opt/cola/permits/1112087866_1607035279.17/0/node-modules-agentkeepalive-3-5-2-0-g9b81362-tar-gz/node-modules-agentkeepalive-9b81362/README.md
```

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```

## 1.231 stringify-package 1.0.1

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## 1.232 smart-buffer 4.1.0

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## 1.233 socks-proxy-agent 4.0.2

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socks-proxy-agent

=====

### A SOCKS proxy `http.Agent` implementation for HTTP and HTTPS

![Build Status](https://travis-ci.org/TooTallNate/node-socks-proxy-agent.svg?branch=master)(https://travis-ci.org/TooTallNate/node-socks-proxy-agent)

This module provides an `http.Agent` implementation that connects to a specified SOCKS proxy server, and can be used with the built-in `http` or `https` modules.

It can also be used in conjunction with the `ws` module to establish a WebSocket connection over a SOCKS proxy. See the "Examples" section below.

Installation

-----

Install with `npm`:

```
``` bash
$ npm install socks-proxy-agent
```
```

Examples

```

-----

#### `http` module example

``` js
var url = require('url');
var http = require('http');
var SocksProxyAgent = require('socks-proxy-agent');

// SOCKS proxy to connect to
var proxy = process.env.socks_proxy || 'socks://127.0.0.1:9050';
console.log('using
proxy server %j', proxy);

// HTTP endpoint for the proxy to connect to
var endpoint = process.argv[2] || 'http://nodejs.org/api/';
console.log('attempting to GET %j', endpoint);
var opts = url.parse(endpoint);

// create an instance of the `SocksProxyAgent` class with the proxy server information
var agent = new SocksProxyAgent(proxy);
opts.agent = agent;

http.get(opts, function (res) {
  console.log('"response" event!', res.headers);
  res.pipe(process.stdout);
});
```

#### `https` module example

``` js
var url = require('url');
var https = require('https');
var SocksProxyAgent = require('socks-proxy-agent');

// SOCKS proxy to connect to
var proxy = process.env.socks_proxy || 'socks://127.0.0.1:9050';
console.log('using proxy server %j', proxy);

// HTTP endpoint for the proxy to connect to
var endpoint = process.argv[2] || 'https://encrypted.google.com/';
console.log('attempting to GET %j', endpoint);
var opts = url.parse(endpoint);

// create an instance of the `SocksProxyAgent`
class with the proxy server information
var agent = new SocksProxyAgent(proxy);

```

```
opts.agent = agent;
```

```
https.get(opts, function (res) {  
  console.log("response" event!, res.headers);  
  res.pipe(process.stdout);  
});  
...
```

```
#### `ws` WebSocket connection example
```

```
... js  
var WebSocket = require('ws');  
var SocksProxyAgent = require('socks-proxy-agent');  
  
// SOCKS proxy to connect to  
var proxy = process.env.socks_proxy || 'socks://127.0.0.1:9050';  
console.log('using proxy server %j', proxy);  
  
// WebSocket endpoint for the proxy to connect to  
var endpoint = process.argv[2] || 'ws://echo.websocket.org';  
console.log('attempting to connect to WebSocket %j', endpoint);  
  
// create an instance of the `SocksProxyAgent` class with the proxy server information  
var agent = new SocksProxyAgent(proxy);  
  
// initiate the WebSocket connection  
var socket = new WebSocket(endpoint, { agent: agent });  
  
socket.on('open', function () {  
  console.log("open" event!);  
  socket.send('hello world');  
});  
  
socket.on('message',  
  function (data, flags) {  
    console.log("message" event! %j %j', data, flags);  
    socket.close();  
  });  
...  
}
```

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\* /opt/cola/permits/1112087816\_1607035421.82/0/socks-proxy-agent-4-0-2-5-tgz/package/README.md

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## 1.238 es-abstract 1.12.0

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Any executables

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# 1.242 xdg-stringprep v0.0.0-20180714160509-73f8eece6fdc

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# 1.243 scram v0.0.0-20180814205039-7eeb5667e42c

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mgo - MongoDB driver for Go

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## 1.250 amqp v0.0.0-20190404075320-75d898a42a94

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# 1.251 compress v1.9.5

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## 1.252 iconv 2.31

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```
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## 1.254 diffutils 3.7-3

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"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

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To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The

"System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

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- e) Convey the object code using peer-to-peer transmission, provided



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## 1.255 shared-mime-info 1.15-1

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Version 2, June 1991

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# 1.256 Isb 11.1.0ubuntu2

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Upstream-Name: LSB implementation package

Files: \*

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## 1.257 libxcrypt 4.4.10-10ubuntu4

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because

of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must

itself be a software library.

- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do

this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the

Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.



If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy

from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

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Each

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#### END OF TERMS AND CONDITIONS

#### Appendix: How to Apply These Terms to Your New Libraries

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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the library's name and a brief idea of what it does.>  
Copyright (C) <year>  
<name of author>
```

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary.

Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

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Version 3, 29 June 2007

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(1)

assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand

ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

## TERMS AND CONDITIONS

### 0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and

"recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

#### 1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component



(kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

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makes it unnecessary.

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You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

- a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
- b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to  
"keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

## 6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the

Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization

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If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

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# 1.268 scowl 2018.04.16-1

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Alan Beale <biljir@pobox.com> also deserves special credit as he has, in addition to providing the 12Dicts package and being a major contributor to the ENABLE word list, given me an incredible amount of feedback and created a number of special lists (those found in the Supplement) in order to help improve the overall quality of SCOWL.

The 10 level includes the 1000 most common English words (according to the Moby (TM) Words II [MWords] package), a subset of the 1000 most common words on the Internet (again, according to Moby Words II), and frequently class 16 from Brian Kelk's "UK English Wordlist with Frequency Classification".

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Date: Sat, 08 Jul 2000 20:27:21

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mgo - MongoDB driver for Go

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/\* checkTag : validation tool for libzstd

\* command :

- \* \$ ./checkTag tag
- \* checkTag validates tags of following format : v[0-9].[0-9].[0-9]{any}
- \* The tag is then compared to zstd version number.
- \* They are compatible if first 3 digits are identical.
- \* Anything beyond that is free, and doesn't impact validation.
- \* Example : tag v1.8.1.2 is compatible with version 1.8.1
- \* When tag and version are not compatible, program exits with error code 1.
- \* When they are compatible, it exists with a code 0.
- \* checkTag is intended to be used in automated testing environment.
- \*/

## 1.274 libtasn 4.16.0-2

### 1.274.1 Available under license :

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Version 2.1, February 1999

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```
/**
 * Base constructor.
 * <p>
 * The authorizer attempts to perform matching (including the use of the wildcard) in accordance with RFC 6125.
 * </p>
 * <p>
 * Known suffixes is a list of public domain suffixes that can't be used as wild cards for
 * example *.com, or c*c.com, as a dns wildcard could match every/most .com domains if a registrar were issue it.
 * If *.com is in the known suffixes list will not be allowed to match.
 * </p>
 *
 * @param knownSuffixes a set of suffixes that cannot be wild-carded, e.g. { ".com", ".net", ".org" }
 */
```

Found in path(s):

```
* /opt/cola/permits/1152084220_1618069402.1/0/bcpkix-fips-1-0-5-sources-
jar/org/bouncycastle/est/jcajce/JsseDefaultHostnameAuthorizer.java
```

## 1.284 go-jmespath v0.0.0-20180206201540-c2b33e8439af

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## 1.311 alpine-baselayout 3.2.0-r15

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#### CAMELLIA

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#### CAST128

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#### DES

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#### MD2

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#### SHA1

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#### SHA224, SHA256, SHA384, and SHA512

Written by Niels Miller, using Peter Gutmann's SHA1 code as a model. Released under the LGPL.

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#### TWOFISH

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#### RSA

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```

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Upstream-Name: liblz4

Upstream-Contact: Yann Collet <Cyan4973@github.com>

Source: <https://github.com/lz4/lz4>

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## 1.327 libcrypt 1:4.4.10-10ubuntu4

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build-aux/scripts/gen-crypt-symbol-vers-h,  
build-aux/scripts/gen-libcrypt-map,  
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## 1.331 audit 1:2.8.5-2ubuntu6

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```
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```
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```

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<signature of Ty Coon>, 1 April 1989
```

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Ty Coon, President of Vice
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## 1.334 libmagic 1:5.38-4

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## 1.335 libdconf1 0.36.0-1

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Alan Beale <biljir@pobox.com> also deserves special credit as he has, in addition to providing the 12Dicts package and being a major contributor to the ENABLE word list, given me an incredible amount of feedback and created a number of special lists (those found in the Supplement) in order to help improve the overall quality of SCOWL.

The 10 level includes the 1000 most common English words (according to the Moby (TM) Words II [MWords] package), a subset of the 1000 most common words on the Internet (again, according to Moby Words II), and frequently class 16 from Brian Kelk's "UK English Wordlist with Frequency Classification".

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3449 Martha Ct.  
Arcata, CA 95521-4884

grady@netcom.com  
grady@northcoast.com

The "UK English Wordlist With Frequency Classification" is also in the Public Domain:

Date: Sat, 08 Jul 2000 20:27:21

+0100

From: Brian Kelk <Brian.Kelk@cl.cam.ac.uk>

> I was wondering what the copyright status of your "UK English  
> Wordlist With Frequency Classification" word list as it seems to  
> be lacking any copyright notice.

There were many many sources in total, but any text marked  
"copyright" was avoided. Locally-written documentation was one  
source. An earlier version of the list resided in a filespace called  
PUBLIC on the University mainframe, because it was considered public  
domain.

Date: Tue, 11 Jul 2000 19:31:34 +0100

> So are you saying your word list is also in the public domain?

That is the intention.

The 20 level includes frequency classes 7-15 from Brian's word list.

The 35 level includes frequency classes 2-6 and words appearing in at  
least 11 of 12 dictionaries as indicated in the 12Dicts package. All  
words from the 12Dicts package have had likely inflections added via  
my inflection database.

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The 60 level includes all words appearing in at least 2 of the 12 dictionaries as indicated by the 12Dicts package.

The 70 level includes Brian's frequency class 0 and the 74,550 common dictionary words from the MWords package. The common dictionary words,

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The 80 level includes the ENABLE word list, all the lists in the ENABLE supplement package (except for ABLE), the "UK Advanced Cryptics Dictionary" (UKACD), the list of signature words from the YAWL package, and the 10,196 places list from the MWords package.

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phonetic\_english.h - phonetic transformation rules for use with phonetic.c

```
# Copyright (C) 2000 Björn Jacke
#
# This rule set is based on Lawrence Phillips original metaphone
# algorithm with modifications made by Michael Kuhn in his
# C implantation, more modifications by Björn Jacke when
# converting the algorithm to a rule set and minor
# touch ups by Kevin Atkinson
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# Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
#
# Björn Jacke may be reached by email at bjoern.jacke@gmx.de
#
# Changelog:
#
# 2000-01-05 Björn Jacke <bjoern.jacke@gmx.de>
#     - first version with translation rules derived from
#     metaphone.cc distributed with aspell 0.28.3
#     - "TH" is now representated as "@" because "0" is a
#     meta character
#     - removed TH(!vowel) --> T; always use TH --> # instead
```

```
# - dropped "^AE" -> "E" (redundant)
# - "ing" is transformed to "N", not "NK"
# - "SCH(EO)" transforms to "SK" now
# - added R --> SILENT if (after a vowel) and no (vowel or
#   "y" follows) like in "Marcy" or "abort"
# - H is SILENT in RH at beginning of words
# - H is SILENT if vowel leads and "Y" follows
# - some ".OUGH.." --> ...F exceptions added
# - "^V" transforms
  to "W"
# 2000-01-07 Kevin Atkinson <kevinatk@home.com>
#   Converted from header to data file.
#
```

# 1.339 colors.js 1.3.3

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- Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

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# 1.340 json-stream 1.3.5

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The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may



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the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2)

will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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Upstream-Name: cracklib

Upstream-Contact: Nathan Neulinger <nneul@umr.edu>

Source: <https://github.com/cracklib/cracklib>

Files: \*

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Comment:

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# 1.348 dconf-cli 0.36.0-1

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In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

```
This program is free software; you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the Free Software Foundation; either version  
2.1 of the License, or  
(at your option) any later version.
```

```
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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands

```
`show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.
```

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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Version 2.1, February 1999

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any

executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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<signature of Ty Coon>, 1 April 1990  
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## 1.364 busybox 1.33.1-r6

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Julian Seward, Cambridge, UK.

[jseward@bzip.org](mailto:jseward@bzip.org)

bzip2/libbzip2 version 1.0.4 of 20 December 2006

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## 1.365 json-schema 0.4.0

### 1.365.1 Available under license :

No license file was found, but licenses were detected in source scan.

```
$properties->license = License::schema();
```

Found in path(s):

```
* /opt/cola/permits/1231169960_1637613933.15/0/swaggest-php-json-schema-v0-4-0-0-gdfb0dd7-zip/swaggest-  
php-json-schema-dfb0dd7/src/SwaggerSchema/Info.php
```

## 1.366 icu 66.1-2ubuntu2.1

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```

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```

```
## Commands to generate dependency files
```

```
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)
```

```

GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE= -Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation
rules
%.${STATIC_O}: $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.${STATIC_O}: $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed "s^\($*\)\.o[ :]*/g" > $@; \
[ -s $@ ] || rm -f $@'

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"

```

```
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \  
| sed \"s/($*)\.o[ :]*^/1.o $@ :/g\" > $@; \  
[ -s $@ ] || rm -f $@'
```

## Versioned libraries rules

```
%. $(SO).$(SO_TARGET_VERSION_MAJOR): %. $(SO).$(SO_TARGET_VERSION)  
$(RM) $@ && ln -s ${<F} $@  
%. $(SO): %. $(SO).$(SO_TARGET_VERSION_MAJOR)  
$(RM) $@ && ln -s ${*F}. $(SO).$(SO_TARGET_VERSION) $@
```

## Bind internal references

```
# LDflags that pkgdata will use  
BIR_LDFLAGS= -Wl,-Bsymbolic
```

```
# Dependencies [i.e. map files] for the final library  
BIR_DEPS=
```

```
## Remove shared library 's'  
STATIC_PREFIX_WHEN_USED =  
STATIC_PREFIX =
```

## End BSD-specific setup

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#### # 7. Database Ownership

#

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## 1.367 jsprim 1.4.2

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## 1.371 libsepol 2.9-3.el8

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Found in path(s):

\* /opt/cola/permits/1237623621\_1638828111.96/0/fis-components-isarray-0-0-1-0-g1f8a1d4-tar-gz/fis-components-isarray-84d6fbc/README.md

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## 1.461 npm-cache-filename 1.0.2

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## 1.462 node-fetch-npm 2.0.2

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## 1.463 spdxcorrect 3.0.0

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## 1.465 object-keys 1.0.12

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# 1.466 spdx-license-ids 3.0.5

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```
workflow "Test" {
  on = "push"
  resolves = ["npm"]
}

action "npm" {
  uses = "shinnn/actions-npm-alpine@1.0.0"
  args = "install-ci-test"
}
root = true

[*]
charset = utf-8
end_of_line = lf
indent_style = tab
tab_width = 2
insert_final_newline = true
trim_trailing_whitespace = true

[*.{md,yml}]
indent_style = space

[*md]
trim_trailing_whitespace = false
* text=auto
# spdx-license-ids

[![npm version](https://img.shields.io/npm/v/spdx-license-ids.svg)](https://www.npmjs.com/package/spdx-license-ids)
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A list of [SPDX license](https://spdx.org/licenses/) identifiers

## Installation

[Download JSON directly](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/index.json), or
[use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/about-npm/):

...

npm install spdx-license-ids
...

## [Node.js](https://nodejs.org/) API
```

```
### require('spdx-license-ids')
```

Type: `string[]`

All license IDs except for the currently deprecated ones.

```
```javascript
const ids = require('spdx-license-ids');
//=> ['0BSD', 'AAL', 'ADSL', 'AFL-1.1', 'AFL-1.2', 'AFL-2.0', 'AFL-2.1', 'AFL-3.0', 'AGPL-1.0-only', ...]

ids.includes('BSD-3-Clause'); //=> true
ids.includes('CC-BY-1.0'); //=>
  true

ids.includes('GPL-3.0'); //=> false
```
```

```
### require('spdx-license-ids/deprecated')
```

Type: `string[]`

Deprecated license IDs.

```
```javascript
const deprecatedIds = require('spdx-license-ids/deprecated');
//=> ['AGPL-1.0', 'AGPL-3.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', 'GPL-2.0', ...]

deprecatedIds.includes('BSD-3-Clause'); //=> false
deprecatedIds.includes('CC-BY-1.0'); //=> false

deprecatedIds.includes('GPL-3.0'); //=> true
```
```

```
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```

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```
[*.workflow]
```

```
indent_style = space
```

## 1.467 read-cmd-shim 1.0.5

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## 1.468 pacote 9.5.12

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## 1.469 npm-registry-fetch 4.0.7

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## 1.470 safe-buffer 5.2.0

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## 1.471 read-installed 4.0.3

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## 1.473 stream-iterate 1.2.0

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# 1.474 iferr 1.0.2

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## 1.476 npm-logical-tree 1.2.1

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## 1.478 read-package-tree 5.3.1

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## 1.481 lockfile 1.0.4

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may

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the object code for the work under the terms of Section 6.

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6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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```
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```
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```

```
<signature of Ty Coon>, 1 April 1989
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice
```

That's all there is to it!

# 1.498 libxcrypt 4.1.1-6.el8

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# 1.522 xz 5.2.4-1ubuntu1.1

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Format: <https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: XZ Utils

Upstream-Contact:

Lasse Collin <lasse.collin@tukaani.org>

<https://tukaani.org/xz/lists.html>

Source:

<https://tukaani.org/xz>

<https://git.tukaani.org/xz.git>

Comment:

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Comment:

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To: Jonathan Nieder <jrnieder@gmail.com>  
Subject: Re: XZ utils for Debian  
Date: Sun, 19 Jul 2009 13:28:23 +0300  
Message-Id: <200907191328.23816.lasse.collin@tukaani.org>

[...]

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> dos/README,  
windows/README

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Other-Authors: Roland McGrath, Akim Demaille, Paul Eggert,

David Mackenzie, Bruno Haible, and many others.

Origin: configure.ac from XZ Utils,

visibility.m4 serial 1 (gettext-0.15),

Autoconf 2.52g

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configure.ac:

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Origin: gettext-runtime/po/Makevars (gettext-0.12)

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## 1.523 gzip 1.10-Ubuntu4.1

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## 1.525 bash 5.0-6ubuntu1.2

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This package was put together by Matthias Klose <doko@debian.org>, from the following sources:

bash: <ftp.gnu.org:/pub/gnu/bash/bash-4.3.tar.gz>

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support/man2html.c

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## 1.527 @types/prop-types 15.7.5

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# 1.528 libsepol 3.0-1ubuntu0.1

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## 1.531 gawk 4.2.1-4.e18

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it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free

library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means

all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has

a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany



it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit

modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any

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facilities. This must be distributed under the terms of the Sections above.

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

#### Preamble

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To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.



The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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Version 3, 29 June 2007

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## 1.532 sed 4.5-5.el8



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17.

Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

## END OF TERMS AND CONDITIONS

### How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by

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(at your option) any later version.

This program is distributed in the hope that it will be useful,  
but WITHOUT ANY WARRANTY; without even the implied warranty of  
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GNU General Public License for more details.

You should have received a copy of the GNU General Public License  
along with this program. If not, see [<https://www.gnu.org/licenses/>](https://www.gnu.org/licenses/).

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short  
notice like this when it starts in an interactive mode:

```
<program> Copyright (C) <year> <name of author>  
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate  
parts of the General Public License. Of course, your program's commands  
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,  
if any, to sign a "copyright disclaimer" for the program, if necessary.  
For more information on this, and how to apply and follow the GNU GPL, see  
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The GNU General Public License does not permit incorporating your program  
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the library. If this is what you want  
to do, use the GNU Lesser General  
Public License instead of this License. But first, please read  
[<https://www.gnu.org/philosophy/why-not-lgpl.html>](https://www.gnu.org/philosophy/why-not-lgpl.html).

## 1.533 gpgme 1.13.1-11.el8

### 1.533.1 Available under license :

```
##+TITLE: GPGME Python Bindings HOWTO Examples  
##+LATEX_COMPILER: xelatex  
##+LATEX_CLASS: article  
##+LATEX_CLASS_OPTIONS: [12pt]  
##+LATEX_HEADER: \usepackage{xltextra}  
##+LATEX_HEADER: \usepackage[margin=1in]{geometry}
```

```
#+LATEX_HEADER: \setmainfont[Ligatures={Common}]{Times New Roman}
#+LATEX_HEADER: \author{Ben McGinnes <ben@gnupg.org>}
```

\* Examples

:PROPERTIES:

:CUSTOM\_ID: gpgme-python3-examples

:END:

The contents of this directory are the examples included in the /GNU Privacy Guard (GnuPG) Made Easy Python Bindings HOWTO/ file. Each script is explicitly for Python 3 and specifically for Python 3.4 or later.

Some of these scripts may work with Python 2.7, but there are no guarantees. They will include the relevant imports from the `__future__` module to facilitate that if possible.

\* Copyright and Licensing

:PROPERTIES:

:CUSTOM\_ID: copyright-and-license

:END:

Unless otherwise stated, all the examples in this directory are released under the same terms as GPGME itself; that is they are dual licensed under the terms of both the GNU General Public License version 2.0 (or any later version) *and* the GNU Lesser General Public License version 2.1 (or any later version).

\*\* Copyright (C) The GnuPG Project, 2018

:PROPERTIES:

:CUSTOM\_ID: copyright

:END:

Copyright The GnuPG Project, 2018.

\*\* License GPL compatible

:PROPERTIES:

:CUSTOM\_ID: license

:END:

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This file is distributed in the hope that it will be useful, but  
WITHOUT ANY WARRANTY, to the extent permitted by law; without even  
the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR  
PURPOSE.

```
(21:protected-private-key(3:dsa(1:p129:_d8|po3s@!WGUOAXRC$_[8SN:y|o?2[.pVxn(kOc\Bk0zu&FnK)(1:q21:
vBeOP\p)(1:g129:fU/e(2hp@hjc2uE=Sg GO;ZkIyFnGM!GsG@
= _SZkII)(1:y128:K:9tA]4SU1 }sG`nZpx/imV^>A;V%?5!sS{!=-6@|
=d
)(9:protected25:openpgp-s2k3-sha1-aes-cbc((4:sha18:Li7:6452224)16:,kO{,}80:z7OCG/sB48(H9%*ojSO
OGSma`YUs1h<_)(12:protected-at15:20130812T105134)))
cython
;;; gpgme-package.lisp
```

```
;;; Copyright (C) 2006 g10 Code GmbH
```

```
;;;
```

```
;;; This file is part of GPGME-CL.
```

```
;;;
```

```
;;; GPGME-CL is free software; you can redistribute it and/or modify
;;; it under the terms of the GNU General Public License as published
;;; by the Free Software Foundation; either version 2 of the License,
;;; or (at your option) any later version.
```

```
;;;
```

```
;;; GPGME-CL is distributed in the hope that it will be useful, but
;;; WITHOUT ANY WARRANTY; without even the implied warranty of
;;; MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
;;; Lesser General Public License for more details.
```

```
;;;
```

```
;;; You should have received a copy of the GNU General Public License
;;; along with GPGME; if not, write to the Free Software Foundation,
;;; Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.
```

```
;;; Conventions:
```

```
;;;
```

```
;;; gpg-error is used for error handling.
```

```
;;;
```

```
;;; Standard I/O streams are used for input and output.
```

```
(defpackage #:gpgme
  (:use #:common-lisp #:cffi #:gpg-error)
  (:import-from #:trivial-garbage
    #:finalize)
  (:export #:check-version
    #:*version*
    #:context
    #:protocol
    #:armorp
    #:textmodep
```

```
#:+include-certs-default+
#:include-certs
#:keylist-mode
#:signers
#:sig-notations
#:with-context
#:key-data
#:get-key
#:op-encrypt
#:op-decrypt
#:op-sign
#:op-verify
#:op-import
#:op-export))
\input texinfo @c -*- texinfo -*-
@c %**start of header
@setfilename index.info
@settitle GNU Privacy Guard (GnuPG) Made Easy Python Bindings
@documentencoding utf-8
@documentlanguage en
@c %**end of header

@finalout
@titlepage
@title GNU Privacy Guard (GnuPG) Made Easy Python Bindings
@author Ben McGinnes
@end titlepage

@contents

@ifnottex
@node Top
@top GNU Privacy Guard (GnuPG) Made Easy Python Bindings
@end ifnottex

@menu
* GPGME Python Bindings::

@detailmenu
--- The Detailed Node Listing ---

GPGME Python Bindings

* Contents::

@end detailmenu
@end menu
```

@node GPGME Python Bindings  
@chapter GPGME Python Bindings

@menu  
\* Contents::  
@end menu

@node Contents  
@section Contents

@itemize  
@item  
@uref{short-history, A short history of the project}  
@item  
@uref{what-is-new, What's New}  
@itemize  
@item  
@uref{maintenance-mode, Maintenance Mode} (from January, 2019)  
@end itemize  
@item  
@uref{what-was-new, What Was New}  
@item  
@uref{gpgme-python-howto, GPGME Python Bindings HOWTO}  
@end  
itemize

@bye  
2011-12-02 Werner Koch <wk@g10code.com>

NB: ChangeLog files are no longer manually maintained. Starting on December 1st, 2011 we put change information only in the GIT commit log, and generate a top-level ChangeLog file from logs at "make dist". See doc/HACKING for details.

2011-05-12 Marcus Brinkmann <marcus@g10code.com>

\* gpgme.texi (I/O Callback Example): Fix example code.  
  
\* gpgme.texi (Generating Keys): Fix OpenPGP parameters and reference GPG and GPGSM manual.

2010-01-05 Werner Koch <wk@g10code.com>

\* gpgme.texi (Changing Passphrases): New.

2009-07-21 Werner Koch <wk@g10code.com>

\* uiserver.texi (UI Server Encrypt): Add --expect-sign option to

PREP\_ENCRYPT.

2009-06-16 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Result Management): New section.

2009-06-16 Werner Koch <wk@g10code.com>

\* gpgme.texi (Exporting Keys): Document gpgme\_op\_export\_keys.  
(Importing Keys): Document gpgme\_op\_import\_keys.  
(Data Buffer Meta-Data): Document URL encodings.

2009-05-28

Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Library Version Check): Document selftest error.  
(Creating Contexts): Likewise.

2009-05-18 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Encrypting a Plaintext): Document  
GPGME\_ENCRYPT\_NO\_ENCRYPT\_TO.

2009-05-05 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Engine Information): Replace path by file\_name.

2008-11-28 Werner Koch <wk@g10code.com>

\* gpgme.texi (Listing Keys): Change description of the return  
value to match the code. Spotted by Colin Leroy.

2008-10-15 Werner Koch <wk@g10code.com>

\* uiserver.texi (Miscellaneous UI Server Commands): Add option  
--protocol to the SENDER command.

2008-07-17 Werner Koch <wk@g10code.com>

\* module-overview.sk: New.

2008-07-04 Werner Koch <wk@g10code.com>

\* gpgme.texi (Algorithms): Add a hint on symmetric only encryption.

2008-06-27 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Cancellation): Document gpgme\_cancel\_async.

2008-06-25

Werner Koch <wk@g10code.com>

\* gpgme.texi (Listing Keys): Updated example to the current API.  
Noted by Nico Schottelius.

2008-06-05 Werner Koch <wk@g10code.com>

\* uiserver.texi (Miscellaneous UI Server Commands): Describe  
START\_CONFDialog.

2008-06-04 Werner Koch <wk@g10code.com>

\* gpgme.texi: Use @copying command. Change license to  
GPLv3. Include protocol specs from GpgOL and GPGEx. Minor  
cleanups.

2008-03-11 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (File Based Data Buffers): Document the need for  
blocking operations.  
(Callback Based Data Buffers): Likewise.

2008-03-05 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Library Version Check): Rename snippet function to  
init\_gpgme.  
(I/O Callback Example): Call it here.

2008-01-28 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi: Document that data encoding affects some output data  
objects now.

2007-09-27 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Protocols and Engines):  
Document GPGME\_PROTOCOL\_UNKNOWN.

2007-09-11 Werner Koch <wk@g10code.com>

\* gpgme.texi (I/O Callback Example): Typo fix.

2007-08-07 Werner Koch <wk@g10code.com>

\* gpgme.texi (Verify): Describe chain\_model.

2007-07-12 Werner Koch <wk@g10code.com>

\* gpgme.texi (Library Version Check): Add remark that the socket layer will get initialized.

2007-06-05 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Advanced Key Editing): New section.

2007-05-21 Werner Koch <wk@g10code.com>

\* Makefile.am (online): New target.

2007-05-18 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Error Strings): Fix documentation of gpgme\_strerror\_r.

2006-11-01 Moritz Schulte <moritz@g10code.com>

\* gpgme.texi (Data Buffer I/O Operations): Fixed entry for gpgme\_data\_seek: OFFSET is not a pointer; some s/whence/offset/.

2006-09-25 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Destroying Data Buffers): Clarify that gpgme\_data\_release\_and\_get\_mem destroys DH unconditionally.

2005-03-24

Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Library Version Check): Make example code compatible to W32 systems.

2006-06-21 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Passphrase Callback): Fix inverted condition in description.

2005-12-20 Werner Koch <wk@g10code.com>

\* gpgme.texi (Verify): Document pka\_trust.

2005-12-06 Werner Koch <wk@g10code.com>

\* gpgme.texi (Key Management): Updated to match the fixes for subkey fingerprints and theg secret flag.

2005-10-06 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Destroying Data Buffers): Document gpgme\_free.

2005-10-02 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Key Management): Add the new member notations of gpgme\_sig\_key\_t.  
(Key Listing Mode): Document GPGME\_KEYLIST\_MODE\_SIG\_NOTATIONS.

2005-10-01 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi: Enclose all return parameters of dectypedefuns in curly brackets.

\* gpgme.texi (Signature Notation Data): New section.  
(Verify): Added more about the notation data structure.

2005-09-30 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Data Buffer I/O Operations, Data Buffer Meta-Data): New subsections.

\* gpgme.texi: Replace plaintext\_filename with file\_name.

\* gpgme.texi (Key Management): Document is\_qualified.

2005-07-27 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Decrypt): Add plaintext\_filename to gpgme\_decrypt\_result\_t.  
(Verify): Likewise for gpgme\_verify\_result\_t.

2005-06-03 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Verify): Add information about new fields in gpgme\_signature\_t.

\* gpgme.texi (Decrypt): Add gpgme\_recipient\_t.

2005-05-28 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Key Listing Mode): Fix return type of gpgme\_set\_keylist\_mode.  
Reported by "Sergio" <ml\_sergico@virgilio.it>.

2005-04-28 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Included Certificates): Document  
GPGME\_INCLUDE\_CERTS\_DEFAULT.

2005-01-12 Marcus

Brinkmann <marcus@g10code.de>

\* gpgme.texi (Engine Configuration): New section.  
(Crypto Engine): New subsection.

2004-12-07 Marcus Brinkmann <marcus@g10code.de>

\* lesser.texi (Library Copying): Change from @appendixsec to  
@appendix.  
\* gpgme.texi (Features): Change reference to GPL to one to LGPL.

\* Makefile.am: Change license to LGPL.  
(gpgme\_TEXINFOS): Replace gpl.texi with lesser.texi.

\* gpgme.texi: Change license to LGPL (also for documentation of  
GPGME's license).  
\* lesser.texi: New file.  
\* gpl.texi: File removed.

\* gpgme.texi (Creating Contexts): Fix cut&paste error. Reported  
by Noel Torres <envite@rolamasao.org>.

2004-09-30 Marcus Brinkmann <marcus@g10code.de>

\* Makefile.am (gpgme\_TEXINFOS): Remove fdl.texi.  
\* gpgme.texi: Do not include fdl.texi. Change license to GPL.  
\* fdl.texi: File removed.

2004-09-29 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Key Management): Change type of keylist\_mode in  
gpgme\_key\_t to gpgme\_keylist\_mode\_t.

2004-09-28

Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Passphrase Callback): Fix last change.

2004-09-27 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Passphrase Callback): Document  
GPG\_ERR\_NOT\_IMPLEMENTED.



\* gpgme.texi: Update copyright year for tex version.

2004-07-29 Moritz Schulte <moritz@g10code.com>

\* gpgme.texi (Verify): Fix gpgme\_get\_key example (ancient force\_update argument was still there).

2004-06-08 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Listing Keys): Elaborate on the length restrictions on search patterns.

\* gpgme.texi (Decrypt and Verify): Document the NO\_DATA error code.

(Verify): Document the relationship between gpgme\_op\_verify\_result and the decrypt and verify operations.

2004-05-21 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Verify): Document GPG\_ERR\_CERT\_REVOKED status.

\* gpgme.texi (Decrypt): Add note about new field wrong\_key\_usage of gpgme\_decrypt\_result\_t.

\* gpgme.texi (Key Management): Add note about new field keylist\_mode of gpgme\_key\_t.

2004-04-29 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Verify): Correct type of member wrong\_key\_usage.

2004-03-29 Moritz Schulte <moritz@duesseldorf.ccc.de>

\* gpgme.texi (Verify): Fix type of gpgme\_op\_verify\_result.

\* gpgme.texi (Key Listing Mode): Typo fix.

2004-03-23 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Library Version Check): Fix the instruction when to set the locale.

2004-03-03 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (I/O Callback Example Qt): New section by Marc Mutz.

2004-02-24 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (cancellation): New section.

2004-02-17 Werner Koch <wk@gnupg.org>

\* gpgme.texi (Key Listing Mode): Doc KEYLIST\_MODE\_VALIDATE.

2004-02-06 Moritz Schulte <mo@g10code.com>

\* gpgme.texi: A couple of small fixes regarding the Largefile Support section.

2004-02-01 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Largefile Support): New section.

2004-01-13 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Key Management): Fix exportable field.

2003-12-25 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Key Management): Rename member class in gpgme\_key\_sig\_t to sig\_class.  
(Creating a Signature): Likewise for gpgme\_signature\_t.

2003-12-23 Moritz Schulte <mo@g10code.com>

\* gpgme.texi (Listing Keys): Minor clarification for gpgme\_get\_key.

2003-10-06 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Signal Handling): New section.

2003-09-14 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Multi Threading): Correct documentation on memory synchronization requirement.

\* gpgme.texi (Locale): New section.  
(Multi Threading): Set locale in example.

2003-09-13 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Error Strings): Add gpgme\_strerror\_r.

2003-09-13 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Multi Threading): Update documentation.

2003-09-03 Marcus Brinkmann <marcus@g10code.de>

\*

gpgme.texi (Header): We don't use the assuan namespace anymore.  
Document new thread options.

2003-08-14 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Creating a Signature): Change type of member class  
to unsigned int.

2003-08-04 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Verify): Get error code from SIG->status in the code  
for gpgme\_get\_sig\_status.

2003-07-31 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Key Management): Add can\_authenticate flag.

\* gpgme.texi (Listing Keys): Document GPG\_ERR\_AMBIGUOUS\_NAME for  
gpgme\_get\_key.

2003-07-29 Marcus Brinkmann <marcus@g10code.de>

\* Makefile.am (EXTRA\_DIST): Remove variable.

\* gpgme.texi (Encrypting a Plaintext): Bad passphrase is only  
possible with symmetric encryption, change the wording to reflect  
that.

\* gpgme.texi (Creating a Signature): Document  
GPG\_ERR\_UNUSABLE\_SECKEY.

\* gpgme.texi (Encrypting a Plaintext): Mention encrypt and sign  
operations in result function.  
(Creating  
a Signature): Likewise.

2003-07-23 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Key Listing Mode): Remove word duplication.  
(Listing Keys): Remove mentioning of force argument.  
(Verify): Don't mention r\_stat. Fix some typos.  
(Decrypt and Verify): Correct info how to get the result. Don't

mention `r_stat`.

(Manipulating Data Buffers): Fix documentation of return value.

(Listing Keys): Update examples.

(Decrypt): Result might also be available when operation failed.

(Verify): Result might also be available when operation failed.

All spotted by Stphane Corthsy.

2003-07-22 Marcus Brinkmann <marcus@g10code.de>

\* `gpgme.texi` (Error Sources): Fix cut and paste error.

2003-07-09 Marcus Brinkmann <marcus@g10code.de>

\* `gpgme.texi` (Key Management): Clarify difference between `can_sign` and `can_certify`.

(Information About Keys): Likewise for `GPGME_ATTR_CAN_SIGN` and `GPGME_ATTR_CAN_CERTIFY`.

2003-07-08 Marcus Brinkmann <marcus@g10code.de>

\* `gpgme.texi` (Progress Meter Callback): Change return type of `gpgme_progress_cb_t` to void.

2003-06-22 Marcus Brinkmann <marcus@g10code.de>

\* `gpgme.texi`: Add 2003 to copyright notice.

\* `gpgme.texi` (Header): Fix name space documentation on `libgpg-error`.

2003-06-22 Marcus Brinkmann <marcus@g10code.de>

\* `gpgme.texi` (Multi Threading): Remove reference to `gpgme_recipients_t`.

2003-06-06 Marcus Brinkmann <marcus@g10code.de>

\* `gpgme.texi` (Crypto Operations): Rename `gpgme_invalid_user_id_t` to `gpgme_invalid_key_t`.

2003-06-06 Marcus Brinkmann <marcus@g10code.de>

\* `gpgme.texi`: Change error codes to `GPG_ERR_*` variants. (Error Handling): Rewritten.

2003-05-29 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Exporting Keys): Change and document prototypes.  
Add new gpgme\_op\_export\_ext and gpgme\_op\_export\_ext\_start  
variants.  
(Selecting Recipients): Section removed.  
(Encrypting a Plaintext): Change prototypes and document the  
changes.

2003-05-28 Marcus Brinkmann <marcus@g10code.de>

\*  
gpgme.texi (Exporting Keys): Change argument type from  
gpgme\_recipient\_t to gpgme\_user\_id\_t.  
(Encrypting a Plaintext): Likewise.  
(Selecting Recipients): Rewritten.

2003-05-27 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Protocol Selection): Do not use @acronym in @node  
because that breaks texi2dvi.

\* gpgme.texi (Passphrase Callback): Document new prototype.

2003-05-18 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Header): Remove Gpgme as namespace prefix. Add  
\_GPGME to namespace prefix.  
\* gpgme.texi (Multi Threading): Add note about link order.

2003-05-04 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Listing Keys): Document what happens if key is not  
found.

\* gpgme.texi (Importing Keys): Fix cut and paste error.

2003-04-30 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Encrypting a Plaintext): Remove reference to  
gpgme\_get\_op\_info.  
(Detailed Results): Subsection removed.

\* gpgme.texi (Key Listing Mode): Add GPGME\_KEYLIST\_MODE\_SIGS.  
(Manipulating  
Keys): Add obsolescence note.  
(Key Signatures): Likewise.  
(Information About Keys): Likewise.  
(Key Management): Add new data types GpgmeSubkey, GpgmeKeySig,  
GpgmeUserID, and all the information about GpgmeKey.

2003-04-29 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Listing Keys): Remove force\_update argument from gpgme\_get\_key.

\* gpgme.texi (Trust Item Management): Add data members of GpgmeTrustItem type.

(Information About Trust Items): Add note about obsolescence.

(Manipulating Trust Items): Add gpgme\_trust\_item\_ref and gpgme\_trust\_item\_unref.

2003-04-28 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Verify): Rewritten to take into account new and deprecated functions and data types.

\* gpgme.texi (Decrypt): Describe gpgme\_op\_decrypt\_result and GpgmeDecryptResult.

2003-04-27 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Encrypting a Plaintext): Add info about GpgmeEncryptResult and gpgme\_op\_encrypt\_result.

\* gpgme.texi

(Creating a Signature): Add info about

GpgmeNewSignature, GpgmeSignResult and gpgme\_op\_sign\_result.

(Crypto Operations): Add GpgmeInvalidUserID.

(Algorithms): New chapter.

\* gpgme.texi (Deleting Keys): Document

GPGME\_Ambiguous\_Specification.

(Error Values): Remove GPGME\_Invalid\_Type and GPGME\_Invalid\_Mode.

Add GPGME\_Unknown\_Reason, GPGME\_Not\_Found,

GPGME\_Ambiguous\_Specification, GPGME\_Wrong\_Key\_Usage,

GPGME\_Key\_Revoked, GPGME\_Key\_Expired, GPGME\_No\_CRL\_Known,

GPGME\_CRL\_Too\_Old, GPGME\_Policy\_Mismatch, GPGME\_No\_Secret\_Key,

GPGME\_Key\_Not\_Trusted, GPGME\_Issuer\_Missing, GPGME\_Chain\_Too\_Long,

GPGME\_Unsupported\_Algorithm, GPGME\_Sig\_Expired,

GPGME\_Bad\_Signature, GPGME\_No\_Public\_Key.

2003-04-25 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Importing Keys): Change GPGME\_IMPORT\_PRIVATE to GPGME\_IMPORT\_SECRET.

\* gpgme.texi (Importing Keys): Remove note about gpgme\_get\_op\_info.

(Detailed Results): Remove note about import.

\* gpgme.texi (Importing Keys): Add documentation for GpgmeImportStatus, GpgmeImportResult and gpgme\_op\_import\_result.

\* gpgme.texi (Generating Keys): Fix documentation of public and secret arguments.

2003-04-24 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Generating Keys): Document changed gpgme\_op\_genkey and new gpgme\_op\_genkey\_result function. Document GpgmeGenKeyResult data type.

\* gpgme.texi (Error Values): Rename GPGME\_No\_Passphrase to GPGME\_Bad\_Passphrase.

\* gpgme.texi (Decrypt): Likewise.

(Decrypt and Verify): Likewise.

(Creating a Signature): Likewise.

(Encrypting a Plaintext): Likewise.

\* gpgme.texi (Error Values): Rename GPGME\_No\_Recipients to GPGME\_No\_UserID and GPGME\_Invalid\_Recipient to GPGME\_Invalid\_UserID.

(Encrypting a Plaintext): Likewise.

\* gpgme.texi (Error Values): Remove GPGME\_Busy and GPGME\_No\_Request.

(Listing Keys): Likewise.

(Listing Trust Items): Likewise.

2003-02-06 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Cancelling an Operation): Removed.

(Passphrase

Callback): Document new type for GpgmePassphraseCb.

2003-01-30 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Engine Information): Rename member part to file\_name.

\* gpgme.texi (Protocols and Engines): Document gpgme\_get\_protocol\_name.

\* gpgme.texi (Engine Information): Rewritten.

2003-01-29 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (I/O Callback Interface): Document new even  
GPGME\_EVENT\_START.  
(Waiting For Completion): Document new possible return values.  
(I/O Callback Interface): Document return type of GpgmeIOCb.

2003-01-29 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Hooking Up Into Idle Time): Section removed.

2002-12-24 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Verify): Drop R\_STAT argument in gpgme\_op\_verify.  
\* gpgme.texi (Decrypt and Verify): Likewise for  
gpgme\_op\_decrypt\_verify.

2002-12-23 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Information About Keys): Document that  
GPGME\_ATTR\_IS\_SECRET is not representable  
as a string anymore.

2002-12-22 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Key Signatures): New section.  
(Listing Keys): Add gpgme\_get\_key.

2002-12-06 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Memory Based Data Buffers): New subsection.  
(File Based Data Buffers): Likewise.  
(Callback Based Data Buffers): Likewise.  
(Manipulating Data Buffers): Update interfaces. Add  
gpgme\_data\_seek.  
\* gpgme.texi (Engine Version Check): Remove gpgme\_check\_engine.

2002-11-21 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Verify): Document the new interface.

2002-11-19 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Generating Keys): Document new argument to  
gpgme\_op\_genkey.

2002-11-05 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Verify): Fix prototype of gpgme\_get\_sig\_key.



Reported by Miguel Coca <e970095@zipi.fi.upm.es>.

2002-08-30 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Selecting Signers): Fix reference count.

2002-08-21

Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Header): Document name space.

2002-08-20 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Importing Keys): Document gpgme\_op\_import\_ext.

\* gpgme.texi (Importing Keys): Undocument EOF.

2002-08-14 Werner Koch <wk@gnupg.org>

\* gpgme.texi (Information About Keys): Changed GPGME\_ATTR\_TYPE.

2002-07-25 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Deleting Keys): Say that secret keys might not be deleted.

2002-07-25 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Information About Keys): Document (badly) the new key attributes.

\* gpgme.texi (Manipulating Data Buffers): Mention that backend tries to detect encoding automatically.

2002-07-03 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Run Control): Update this section.  
(Waiting For Completion): Likewise for this subsection.  
(Cancelling an Operation): Likewise for this subsection.  
(Using External Event Loops): New subsection with several subsections.

2002-06-28

Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Multi Threading): Remove item about the need to synchronize anything against gpgme\_wait (except gpgme\_wait itself).

2002-06-27 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Information About Keys): Fix documentation for IDX.  
(Information About Trust Items): Likewise.

2002-06-26 Werner Koch <wk@gnupg.org>

\* gpgme.texi (Importing Keys): Document the return value -1 of  
gpgme\_op\_import.

2002-06-20 Werner Koch <wk@gnupg.org>

\* gpgme.texi (Verify): Explain the new whatidx variable.

2002-06-10 Werner Koch <wk@gnupg.org>

\* gpgme.texi (Verify): Document attribute GPGME\_ATTR\_ERRTOK.

2002-06-04 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Multi Threading): Document new autodetection.

2002-06-04 Marcus Brinkmann <marcus@g10code.de>

\* Makefile.am (DISTCLEANFILES): New variable.

2002-05-26 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi: Some typographical corrections  
throughout.

2002-05-09 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Using Automake): New section.

2002-05-09 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Multi Threading): Escape { and }.

2002-05-09 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Overview): Replace note about thread-safeness.  
(Multi Threading): New section.

2002-05-03 Werner Koch <wk@gnupg.org>

\* gpgme.texi (Manipulating Data Buffers): Changed some data types

to void\*.

(Protocol Selection): Added `gpgme_get_protocol`.

(Verify): Updated to include the new attribute functions and status codes.

2002-04-27 Werner Koch <wk@gnupg.org>

\* `gpgme.texi` (Manipulating Data Buffers): New type `GpgmeDataEncoding`.

2002-04-23 Marcus Brinkmann <marcus@g10code.de>

\* `gpgme.texi` (Passphrase Callback): Document that either return argument can be NULL.

(Progress Meter Callback): Likewise.

2002-04-22 Marcus Brinkmann <marcus@g10code.de>

\* `gpgme.texi` (Passphrase Callback): Fix small typo. Document the

new function `gpgme_get_passphrase_cb`.

(Progress Meter Callback): Document the new function `gpgme_get_progress_cb`.

2002-04-16 Marcus Brinkmann <marcus@g10code.de>

\* `gpgme.texi` (Creating a Signature): Fix function name. Reported by Wichert Ackerman <wichert@debian.org>.

2002-03-29 Marcus Brinkmann <marcus@g10code.de>

\* `gpgme.texi` (direntry): End index entry with a full stop.

Patch submitted by Jose Carlos Garcia Sogo <jsogo@debian.org>.

2002-03-17 Marcus Brinkmann <marcus@g10code.de>

\* `gpgme.texi` (Detailed Results): Fix syntax error in last change.

2002-03-08 Werner Koch <wk@gnupg.org>

\* `gpgme.texi` (Detailed Results): Import does also return info.

2002-03-06 Marcus Brinkmann <marcus@g10code.de>

\* `gpgme.texi` (Encrypting a Plaintext): Document symmetric encryption.

2002-03-06 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Error Strings): Add example.

\* gpgme.texi (Listing Keys): Likewise.

2002-03-03 Marcus Brinkmann <marcus@g10code.de>

\*

gpgme.texi (Information About Keys): Document GPGME\_ATTR\_EXPIRE.

2002-03-03 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Verify): Document verification of normal and cleartext signatures.

2002-02-27 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Listing Keys): Document gpgme\_op\_keylist\_ext\_start.

2002-02-27 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Encrypting a Plaintext): Document GPGME\_Invalid\_Recipients.  
(Error Values): Likewise.

2002-02-26 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Encrypting a Plaintext): Document gpgme\_op\_encrypt\_sign and gpgme\_op\_encrypt\_sign\_start.

2002-02-25 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Creating a Signature): Add a note about certificates to include.  
(Included Certificates): New section.

2002-02-09 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Detailed Results): Remove literal tags.  
(Generating Keys): Update documentation.

\* gpgme.texi (Generating Keys):  
Fix syntax error.

2002-02-06 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Waiting For Completion): Adjust doc to changes in the code.

2002-02-06 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Key Listing Mode): Update documentation.

2002-01-31 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Generating Keys): Document error at creation failure.

2002-01-30 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Deleting Keys): Document new error values.

2002-01-30 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Importing Keys): Add reference to gpgme\_get\_op\_info.

2002-01-30 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi: Some spell checking.

2002-01-30 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi: Add all the gpgme\_op\_\*\_start functions.  
Fill the concept index with many, many entries.

2002-01-29 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Run Control): New section.  
(Verify): Document gpgme\_get\_notation.  
(More Information):  
New section describing gpgme\_get\_op\_info.

2002-01-22 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Passphrase callback): Change GpgmePassphraseCb's  
R\_HD type from void\* to void\*\*.

2002-01-22 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Creating data buffers): Change  
gpgme\_data\_new\_from\_filepart's LENGTH type from off\_t to size\_t.

2002-01-22 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Generating keys): New subsection.  
(Exporting keys): Likewise.  
(Importing keys): Likewise.  
(Deleting keys): Likewise.

2002-01-16 Marcus Brinkmann <marcus@g10code.de>

- \* gpgme.texi: g10Code -> g10 Code
- \* gpgme.texi (Top): Complete detailmenu.
- \* gpgme.texi: Convert embarrassing cruft to the real thing.

2002-01-16 Marcus Brinkmann <marcus@g10code.de>

- \* ChangeLog: New file.
- \* gpgme.texi: Likewise.
- \* gpl.texi: Likewise.
- \* fdl.texi: Likewise.
- \* Makefile.am (info\_TEXINFOS): New variable.
- (gpgme\_TEXINFOS): Likewise.

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```
(21:protected-private-key(3:elg(1:p129:|B36I(s7}+ZJ/pvE;"tg7N ca"Gxvnyu&bB#h'7=89&oG
R<hO)(1:g1:)(1:y128:Ji]WU_UP}AQ\YMhAl|2e{ _tcMNDg}[ QnWsK 4pY{ $bDCs)(9:protected25:openpgp-s2k3-
sha1-aes-cbc((4:sha18:JcE7:6452224)16: i[Q*vK)192:FJA!O!ZAF
biJ&Tsb!t
&9@R\~V+x>?sedDz-W(yqf?u^e?s1saV8<T0:tC5%ZMh?$,y_e[1D)(12:protected-at15:20130812T105135)))
(private-key
(oid.1.2.840.113549.1.1.1
(n
#00e0ce96f90b6c9e02f3922beada93fe50a875eac6bcc18bb9a9cf2e84965caa2d1ff95a7f542465c6c0c19d276e4526ce
048868a7a914fd343cc3a87dd74291ffc565506d5bbb25cbac6a0e2dd1f8bcaab0d4a29c2f37c950f363484bf269f78914
40464baf79827e03a36e70b814938eebdc63e964247be75dc58b014b7ea251#)
(e #010001#)
(d
#046129F2489D71579BE0A75FE029BD6CDB574EBF57EA8A5B0FDA942CAB943B117D7BB95E5D28875E0F
9FC5FCC06A72F6D502464DABDED78EF6B716177B83D5BDC543DC5D3FED932E59F5897E92E6F58A0F334
24106A3B6FA2CBF877510E4AC21C3EE47851E97D12996222AC3566D4CCB0B83D164074ABF7DE655FC244
6DA1781#)
(p
#00e861b700e17e8afe6837e7512e35b6ca11d0ae47d8b85161c67baf64377213fe52d772f2035b3ca830af41d8a4120e
```

```

1c1c70d12cc22f00d28d31dd48a8d424f1#)
(q
#00f7a7ca5367c661f8e62df34f0d05c10c88e5492348dd7bddc942c9a8f369f935a07785d2db805215ed786e4285df16
58eed3ce84f469b81b50d358407b4ad361#)
(u
#304559a9ead56d2309d203811a641bb1a09626bc8eb36ffa23c968ec5bd891eebbafc73ae666e01ba7c8990bae06cc2
bbe10b75e69fcacb353a6473079d8e9b#)
)
)
# libgpgme.vers - List of symbols to export.
# Copyright (C) 2002, 2004, 2005, 2009, 2012 g10 Code GmbH
#
# This file is part of GPGME.
#
# GPGME is free software; you can redistribute it and/or modify
# it under the terms of the GNU Lesser general Public License as
# published by the Free Software Foundation; either version 2.1 of
# the License, or (at your option) any later version.
#
# GPGME is distributed in the hope that it will be useful,
# but WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
# GNU Lesser General Public License for more details.
#
# You should have received a copy of the GNU Lesser General Public
# License along with this program; if not, see <https://www.gnu.org/licenses/>.

#-----
# Please remember to add new functions also to gpgme.def
#-----

GPGME_1.1 {
global:
    gpgme_set_engine_info;

    gpgme_ctx_get_engine_info;
    gpgme_ctx_set_engine_info;

    gpgme_data_set_file_name;
    gpgme_data_get_file_name;
    gpgme_data_identify;

    gpgme_sig_notation_clear;
    gpgme_sig_notation_add;
    gpgme_sig_notation_get;

    gpgme_free;

```

gpgme\_op\_getauditlog\_start;  
gpgme\_op\_getauditlog;

gpgme\_conf\_release;  
gpgme\_conf\_arg\_new;  
gpgme\_conf\_arg\_release;  
gpgme\_conf\_opt\_change;  
gpgme\_op\_conf\_load;  
gpgme\_op\_conf\_save;  
gpgme\_op\_conf\_dir;

gpgme\_cancel\_async;

gpgme\_op\_assuan\_result;  
gpgme\_op\_assuan\_transact;  
gpgme\_op\_assuan\_transact\_start;

gpgme\_check\_version\_internal;

gpgme\_io\_read;  
gpgme\_io\_write;

gpgme\_result\_ref;  
gpgme\_result\_unref;

gpgme\_op\_import\_keys;  
gpgme\_op\_import\_keys\_start;  
gpgme\_op\_export\_keys;  
gpgme\_op\_export\_keys\_start;

gpgme\_op\_assuan\_transact\_ext;

gpgme\_wait\_ext;

gpgme\_op\_vfs\_mount\_result;  
gpgme\_op\_vfs\_mount;  
gpgme\_op\_vfs\_create;

gpgme\_key\_from\_uid;  
gpgme\_set\_sub\_protocol;  
gpgme\_get\_sub\_protocol;

gpgme\_op\_passwd\_start;  
gpgme\_op\_passwd;

gpgme\_set\_global\_flag;

gpgme\_io\_writen;



gpgme\_set\_pinentry\_mode;  
gpgme\_get\_pinentry\_mode;

gpgme\_get\_dirinfo;

gpgme\_op\_spawn\_start;  
gpgme\_op\_spawn;

gpgme\_set\_offline;  
gpgme\_get\_offline;

gpgme\_set\_status\_cb;  
gpgme\_get\_status\_cb;

gpgme\_pubkey\_algo\_string;  
gpgme\_set\_ctx\_flag;  
gpgme\_get\_ctx\_flag;  
gpgme\_data\_set\_flag;

gpgme\_op\_createkey\_start;  
gpgme\_op\_createkey;  
gpgme\_op\_createsubkey\_start;  
gpgme\_op\_createsubkey;  
gpgme\_op\_adduid\_start;  
gpgme\_op\_adduid;  
gpgme\_op\_revuid\_start;  
gpgme\_op\_revuid;  
gpgme\_op\_keysign\_start;  
gpgme\_op\_keysign;  
gpgme\_op\_tofu\_policy\_start;  
gpgme\_op\_tofu\_policy;  
gpgme\_op\_interact\_start;  
gpgme\_op\_interact;

gpgme\_addrspec\_from\_uid;

gpgme\_set\_sender;  
gpgme\_get\_sender;

gpgme\_op\_query\_swdb;  
gpgme\_op\_query\_swdb\_result;

gpgme\_op\_set\_uid\_flag\_start;  
gpgme\_op\_set\_uid\_flag;

gpgme\_op\_decrypt\_ext;  
gpgme\_op\_decrypt\_ext\_start;

```
gpgme_data_new_from_estream;

};

GPGME_1.0 {
global:
gpgme_check_version;
gpgme_get_engine_info;
gpgme_engine_check_version;

gpgme_err_code_from_errno;
gpgme_err_code_to_errno;
gpgme_err_make_from_errno;
gpgme_error_from_errno;
gpgme_strerror;
gpgme_strerror_r;
gpgme_strsource;

gpgme_data_get_encoding;
gpgme_data_new;
gpgme_data_new_from_cbs;
gpgme_data_new_from_fd;
gpgme_data_new_from_file;
gpgme_data_new_from_filepart;
gpgme_data_new_from_mem;
gpgme_data_new_from_stream;
gpgme_data_read;
gpgme_data_release;
gpgme_data_release_and_get_mem;
gpgme_data_seek;
gpgme_data_set_encoding;
gpgme_data_write;

gpgme_get_protocol_name;
gpgme_hash_algo_name;
gpgme_pubkey_algo_name;

gpgme_new;
gpgme_get_armor;
gpgme_get_include_certs;
gpgme_get_io_cbs;
gpgme_get_keylist_mode;
gpgme_get_passphrase_cb;
gpgme_get_progress_cb;
gpgme_get_protocol;
gpgme_get_textmode;
```

gpgme\_release;  
gpgme\_set\_armor;  
gpgme\_set\_include\_certs;  
gpgme\_set\_io\_cbs;  
gpgme\_set\_keylist\_mode;  
gpgme\_set\_locale;  
gpgme\_set\_passphrase\_cb;  
gpgme\_set\_progress\_cb;  
gpgme\_set\_protocol;  
gpgme\_set\_textmode;  
gpgme\_signers\_add;  
gpgme\_signers\_clear;  
gpgme\_signers\_count;  
gpgme\_signers\_enum;

gpgme\_key\_ref;  
gpgme\_key\_unref;  
gpgme\_key\_release;

gpgme\_trust\_item\_ref;  
gpgme\_trust\_item\_unref;

gpgme\_cancel;  
gpgme\_op\_card\_edit;  
gpgme\_op\_card\_edit\_start;  
gpgme\_op\_decrypt;  
gpgme\_op\_decrypt\_result;  
gpgme\_op\_decrypt\_start;  
gpgme\_op\_decrypt\_verify;  
gpgme\_op\_decrypt\_verify\_start;  
gpgme\_op\_delete;  
gpgme\_op\_delete\_start;  
gpgme\_op\_delete\_ext;  
gpgme\_op\_delete\_ext\_start;  
gpgme\_op\_edit;  
gpgme\_op\_edit\_start;  
gpgme\_op\_encrypt;  
gpgme\_op\_encrypt\_start;  
gpgme\_op\_encrypt\_ext;  
gpgme\_op\_encrypt\_ext\_start;  
gpgme\_op\_encrypt\_sign;  
gpgme\_op\_encrypt\_sign\_ext;  
gpgme\_op\_encrypt\_sign\_start;  
gpgme\_op\_encrypt\_sign\_ext\_start;  
gpgme\_op\_encrypt\_result;

gpgme\_op\_export;  
gpgme\_op\_export\_ext;

```
gpgme_op_export_ext_start;
gpgme_op_export_start;
gpgme_op_genkey;
gpgme_op_genkey_result;
gpgme_op_genkey_start;
gpgme_get_key;
gpgme_op_import;
gpgme_op_import_result;
gpgme_op_import_start;
gpgme_op_keylist_end;
gpgme_op_keylist_ext_start;
gpgme_op_keylist_from_data_start;
gpgme_op_keylist_next;
gpgme_op_keylist_result;
gpgme_op_keylist_start;
gpgme_op_sign;
gpgme_op_sign_result;
gpgme_op_sign_start;
gpgme_op_trustlist_end;
gpgme_op_trustlist_next;
gpgme_op_trustlist_start;
gpgme_op_verify;
gpgme_op_verify_result;
gpgme_op_verify_start;
gpgme_wait;
```

```
gpgme_data_new_with_read_cb;
gpgme_data_rewind;
gpgme_get_sig_status;
gpgme_get_sig_string_attr;
gpgme_get_sig_ulong_attr;
gpgme_get_sig_key;
gpgme_key_get_string_attr;
gpgme_key_get_ulong_attr;
gpgme_key_sig_get_string_attr;
gpgme_key_sig_get_ulong_attr;
gpgme_op_import_ext;
gpgme_trust_item_get_int_attr;
gpgme_trust_item_get_string_attr;
gpgme_trust_item_release;
```

```
gpgme_err_code_from_syserror;
gpgme_err_set_errno;
```

```
local:
```

```
 *;
```

```
};
```

;;; -\*- Mode: lisp -\*-

;;; Copyright (C) 2006 g10 Code GmbH

;;;

;;; This file is part of GPGME.

;;;

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;;; License along with GPGME; if not, write to the Free

;;; Software Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA

;;; 02111-1307, USA.

(defpackage #:gpgme-system

(:use #:common-lisp #:asdf))

(in-package #:gpgme-system)

(defsystem gpgme

:description "GnuPG Made Easy."

:author "g10 Code GmbH"

:version "1.13.1"

:licence "GPL"

:defsystem-depends-on ("cffi-grovel")

:depends-on ("cffi" "gpg-error" "trivial-garbage")

:components ((:file "gpgme-package")

(:cffi-grovel-file "gpgme-grovel"

:depends-on ("gpgme-package"))

(:file "gpgme"

:depends-on ("gpgme-package" "gpgme-grovel"))))

-----BEGIN PGP PRIVATE KEY BLOCK-----

IQOYBFrsKEkBCADKw4Wt8J6M/88qD8PO6lSMCxH1cpwH8iK0uPaFFYsJkkXo7kWf  
PTAttrV+REqF/o80dvYcdLvRsV21pvncZz/HXLu1yQ18mC3XObrKokbdgrTTKA5XE  
BZkNsqyaMMJauT18H4hYkSg62/tTdO1cu/zWv/LFf7Xyn6+uA74ovXCJIO1s0N2c  
PSht98QRzPMf2owgVk37JnDNp4gGVDGHxSZOuUwxgYAZYnA8SFc+c+3ZrQfY870  
+O4j3Mz4p7yD13AwP4buQLBsb/icxekeQCqpRjLH9f7MdEcGXa1x36RcEkHdu+M  
yJ392eMgD+dKNfRCtyTPhjZTxvbNELIBYICfABEBAAEAB/wLJ0gyMjs2fFfT83wM  
5Lzz2yQIwV4t3bbIBAUjdHTqeN5Zmsm/oakFyjSokULK96Kv0R4ej9eoIgmFvxFk  
HRkrngxTrbsNJ7I6QcKYHTPeIj318ykNL6fj0WJUcdPIENukXl5jbqNyk3/4D2y

TTDySyq6jHTgvMH4K4KJUSpglvSJPntTk9RhuFGHAF+sNR9atygDYctAaERMRTsg  
LCoSt/AoX5GRMIQjXT9oqQjwSQoZyF4s8HMC8wdTFIE/E0L4IVdHVp8sz2UszNtT  
W/evmCA+KVruKjRH/Fhrq4hHkEamW28+j4L6uAyagONP7BONs+S5Oo2zTT9+tV2R  
ILTZBADdgLuAgF6C5Lu9jCF6DfFgaT/uafMyQNkEGNlxOHMWHTgLHe475V2eG9gA  
amd4yXKyEFKU1PWnvlGuicQSGdzVcwmq61msvXgYD0FK3LP3yWzKnE4X1tzc9Vp  
/uHjXKjewCuyt1f5in919v+t8TbUxBYKc0zX/qWtX+10cTx77QQA6leqhToJ95Yc  
u4UBrKMEO+y2v8Svb3LG7yI5oY8tkw0EkJ/kpZ8xTAFZYCe6fXdVVE3PHg2lrxyc  
Wv/EU3QY/qA3G82mbXYeJ2jNZaTNYo4MylMrt4Mx25x4ke7JlsE8SVrQ+4CrHkqp  
OjSIa7fppLrQ78uW980AtN8NNQGrlTsD/A9aoA60IgxY1Q3K2uSyDCyjLknv57ym  
ZSBD3/t7m0l6Q6gdbfhNGosT+Hd4y3actqEqzXZHW2VG4dKZ/wRNkxtSm9adU9vs  
EHyzxb6mKIH32zAG5TaFT20hC+NK6lsyHr9UE2ZrS6ma2sLxGW2O40hqNsdD+5m  
NrqeBc2ljs1PMK0EHRlc3RAZXhbbXBsZS5vcmeJAVQEEwEIAD4WIQTUFzW5Ejb9  
uIIEjFojAWNe7/DLBQUCWuwoSQIbAwUJA8JnAAULCQgHAgYVCgkICwIEFgIDAQIe  
AQIXgAAKCRajAWNe7/DLBf9kB/wOQ/S60HGwFq07W9N01HWULyhHKOmmHL6rfZ6  
4oDqLxolPSasz7WAMW1jN4qtWJ0mFzwO83V6kaBe+wF6Kqir6udFSBw9rPcFg6/V  
ZXPltT0a6uacIHq6DyQ5iMW4YQWbVy9OR2rNgkYo1JCBR0XdRjYCSX3yB4TWv/eX  
nZ37/WjmiTOIZh35rjs+NuU/S5JPDfAp2/k70DevQeBsv+UjVXjWpNTZmPbvDnd9  
95uSmC6UY4hzyP84ORYMYn9n1QAR0goxDN6UunOf9Rlp1oMzdxMool/d1MICxg2h  
3jheuhv7lgUF4KpvhOuePXQ7UO417E0TYcDZ1J8Nsv87SZeEnQOYBFrsKEKBCADj  
oEBhG/QPqZHg8VyoD1xYRAWGxyDjKX/GrSs6yE+x2hk5FoQCajxKa/d4AVxOnJpd  
whAfeXeSNaql5Ejgzax+Tdj9BV6vtGVJVv0pO7bgAiZxkA6RHxtNqhpPnPQoXvUz  
kzpRgpL+Nj4yIg7z1ITH6KQH4u5SI9vd+j/8i9Taz67pdZwuJjac8qBuJHjzAo1  
bjYctFYUSG5pbmMQyNlySzziNkFa4DajODlt3RuqVGP316Fk+Sy2+60tC/HIX8jg  
MyMONfOGBQx6jk8tvAphS/LAqrrNepnagIyLUGKU+L8cB2g1PGGp2biBFWqZbudZ  
oyRBet/0yH/zirBdQJw1ABEBAAEAB/4IN3gXOI4OuoOcsvHak4pebx61Mt0YP9cT  
qZASIBqxok5x8E28pFh/tYfkYdqRCtdNYZOnxcEoUWh5j6nfwZkEnJ9P/T8GPNk7  
pMKnKXmExi05b5uGHD8nU1rSbf/YkvAF0vpbx4/RDxbbtQhbUwGzusSI+pBLM0w  
5TreEB+vRGC2gOvXXOtKLNEa7M9rH2EwbAkP3jOGGwgk6adxbQdBcRqx4merqHL  
YrVz73bCj8TDc0fsNjyIaZZJ++ejfBFYavsF1pvx9z7FNFi8rSXoiB3SBtaWGfhr  
bwNaMZrDc7TRIq/fGgaL6g/bzcWrr1YaHXZ10Bgx6UymDOIYkCpBADm0Hv46sPw  
07SO8+IACcaQliOto1pndOPwTimCeo58/7rf8I2a5uuJloGrnPwAX65bKDnUALp6  
X3lnXRNmhnB3Uewx4i00LQmjsxhJfQiGLpMv0j58tn64s7GqQzGVV1JKcQm992RV  
jFOydyjZ+K4LGWEOITG/bZrMEVNGCM+OnQQA/Haz8xN0NFSlq7tyfFc0pkx/TiCX  
xGfBqbO0wU2b5GMnZbY/06HENpidIzpa231VQaw5/nPTvfhLKW1iGAkc148cX1q  
IL9w2ksXuaHR3LXud2VcfVTIdxU/7h7u1dD/85+c0+7jlGOBd9cXKxIM6OjpIJ1  
l5/1h3C5S0TuxHkEAL/3BGihkhNfv1Xx0rWu0/732usX/nE/A9C26hGu41FUf3fp  
0ilonKpKZUEwWt5hWSEFCsrznNvekiO0rxvuu3RVegvzThPNU4Pf4JztJpRVhvUQ  
d9ulxJw7V9rs75uNBatTNC0kXuGoXhehw4Bn93xa67gYGd3LfrH+oT0GCDpTSHCJ  
ATwEGAEIACYWIQTUFzW5Ejb9uIIEjFojAWNe7/DLBQUCWuwoSQIbDAUJA8JnAAAK  
CRAjAWNe7/DLBf0pCACPP5hBuUWngu2Hqvg+tNiujfsiYzId3MffFxEk3CbXeHcJ  
5F32NDJ9PYCnra4L8wSv+Nzt9gIa8IFwoFSFQCjzH7KE86XcV3MhfdJTNb/+9CR7  
Jq3e/4Iy0N5ip7PNYMCyackAsxvsNCJKrSaDuYe/OAoTXRBtgRWE2uyT315em02L  
kr+2Cc/Qk6H+v1NOHGRgnpI/OZZjnUuUfBUvMGHr1phW+y7aeymC9PnUGdViRdJe  
23nntMSDA+0/I7ESO9JsWvJbyBmuiZpu9JjScOjYH9xpQLqRNyw4WHpZriN69F0t  
9Mmd7bM1+UyPgbPER0iWMeyctYsuOLEUyQKMscDT  
=hkUm  
-----END

PGP PRIVATE KEY BLOCK-----

```
#+TITLE: Stuff To Do
#+LATEX_COMPILER: xelatex
#+LATEX_CLASS: article
#+LATEX_CLASS_OPTIONS: [12pt]
#+LATEX_HEADER: \usepackage{xltextra}
#+LATEX_HEADER: \usepackage[margin=1in]{geometry}
#+LATEX_HEADER: \setmainfont[Ligatures={Common}]{Latin Modern Roman}
```

\* Project Task List

```
:PROPERTIES:
:CUSTOM_ID: task-list
:END:
```

\*\* DONE Documentation default format

```
CLOSED: [2018-02-15 Thu 21:29]
:PROPERTIES:
:CUSTOM_ID: todo-docs-default
:END:
```

Decide on a default file format for documentation. The two main contenders being Org Mode, the default for the GnuPG Project and reStructuredText, the default for Python projects. A third option of DITA XML was considered due to a number of beneficial features it provides.

The decision was made to use Org Mode in order to fully integrate with the rest of the GPGME and GnuPG documentation. It is possible to produce reST versions via Pandoc and DITA XML can be reached through converting to either Markdown or XHTML first.

\*\* TODO Documentation build systems

```
:PROPERTIES:
:CUSTOM_ID: todo-docs-build-systems
:END:
```

Though Org Mode is being used for the default documentation format, it still needs to end up as usable by end users. So the Org Mode files are used to produce the "source" files used by the two main contenders for documenting the bindings: Texinfo and ReStructuredText/Docutils.

\*\*\* TODO Texinfo documentation

```
:PROPERTIES:
:CUSTOM_ID: todo-docs-build-texinfo
:END:
```

Need to add all of Texinfo's ... special systems to make it do its things.

\*\*\* TODO ReStructuredText documentation

```
:PROPERTIES:  
:CUSTOM_ID: todo-docs-build-docutils  
:END:
```

Need to run Sphinx's quick start, add it to the requirements and tweak the index page for the rst files to point to the HOWTO and other files.

It might just be easier to do all that in Org Mode and convert the lot, then the Sphinx bits can be automated.

\*\* STARTED Documentation HOWTO

```
:PROPERTIES:  
:CUSTOM_ID: todo-docs-howto  
:END:
```

- State "STARTED" from "TODO" [2018-03-08 Thu 13:59] \\  
Started yesterday.

Write a HOWTO style guide for the current Python bindings.

\*\*\* DONE Start python bindings HOWTO

```
CLOSED: [2018-03-07 Wed 18:14]  
:PROPERTIES:  
:CUSTOM_ID: howto-start  
:END:
```

\*\*\* STARTED Include certain specific instructions in the HOWTO

```
:PROPERTIES:  
:CUSTOM_ID: howto-requests  
:END:
```

Note: moved the S/MIME bits out to their own section of the TODO list and may be served better by separate HOWTO documentation anyway.

- State "STARTED" from "TODO" [2018-03-09 Fri 15:27]  
Some functions can be worked out from the handful of examples available, but many more can't and I've already begun receiving requests for certain functions to be explained.



\*\*\*\* DONE Standard scenarios

CLOSED: [2018-03-19 Mon 12:34]

:PROPERTIES:

:CUSTOM\_ID: howto-the-basics

:END:

- State "DONE" from "STARTED"

[2018-03-19 Mon 12:34] \\

All four of those are done.

- State "STARTED" from "TODO" [2018-03-09 Fri 15:26] \\

Began with the example code, now to add the text.

What everyone expects: encryption, decryption, signing and verifying.

\*\*\*\* STARTED Key control

:PROPERTIES:

:CUSTOM\_ID: howto-key-control

:END:

- State "STARTED" from "TODO" [2018-03-19 Mon 12:35] \\

Generating keys and subkeys are done, but revocation is still to be done.

Generating keys, adding subkeys, revoking subkeys (and keeping the cert key), adding and revoking UIDs, signing/certifying keys.

\*\*\*\* DONE More key control

CLOSED: [2018-03-19 Mon 12:36]

:PROPERTIES:

:CUSTOM\_ID: howto-key-selection

:END:

- State "DONE" from "TODO" [2018-03-19 Mon 12:36] \\

Key selection, searching, matching and counting is done.

Selecting keys to encrypt to or manipulate in other ways (e.g. as with key

control or the basics).

\*\* TODO Documentation SWIG

:PROPERTIES:

:CUSTOM\_ID: todo-docs-swig

:END:

Write documentation for the complete SWIG bindings demonstrating the correspondence with GPGME itself.

Note: it is likely that this will be more in the nature of something to be used in conjunction with the existing GPGME

documentation which makes it easier for Python developers to use.

\*\* TODO GUI examples

:PROPERTIES:

:CUSTOM\_ID: todo-gui-examples

:END:

Create some examples of using Python bindings in a GUI application to either match or be similar to the old GTK2 examples available with PyME.

\*\* TODO Replace SWIG

:PROPERTIES:

:CUSTOM\_ID: todo-replace-swig

:END:

Selecting SWIG for this project in 2002 was understandable and effectively the only viable option. The options available now, however, are significantly improved and some of those would resolve a number of existing problems with using SWIG, particularly when running code on both POSIX compliant and Windows platforms.

The long term goal is to replace SWIG by reimplementing the Python bindings using a more suitable means of interfacing with the GPGME C source code.

\*\*\* TODO Replacement for SWIG

:PROPERTIES:

:CUSTOM\_ID: todo-replace-swig-replacement

:END:

Decide on a replacement for SWIG. Currently CFFI is looking like the most viable candidate, but some additional testing and checks are yet to be completed.

\*\* TODO API for an API

:PROPERTIES:

:CUSTOM\_ID: todo-api-squared

:END:

A C API like GPGME is not what most modern developers think of when they hear the term API. Normally they think of something they can interact with like a RESTful web API. Though RESTful is unlikely given the nature of GPGME and the process of encryption, it may be

possible to provide a more familiar interface which can be utilised by developers of other languages for which bindings are not available or for which it is too difficult to create proper bindings.

\*\* TODO S/MIME

```
:PROPERTIES:  
:CUSTOM_ID: s-mime  
:END:
```

Eventually add some of this, but the OpenPGP details are far more important at the moment.

\* Project Task Details

```
:PROPERTIES:  
:CUSTOM_ID: detailed-tasks  
:END:
```

\*\* Working examples

```
:PROPERTIES:  
:CUSTOM_ID: working-examples  
:END:
```

The old GUI examples were unable to be retained since they depended on GTK2 and Python 2's integration with GTK2.

Current GPGME examples so far only include command line tools or basic Python code for use with either Python 2.7 or Python 3.4 and above.

Future GUI examples ought to utilise available GUI modules and libraries supported by Python 3. This may include Qt frameworks, Tkinter, GTK3 or something else entirely.

\*\* Documentation

```
:PROPERTIES:  
:CUSTOM_ID: documentation  
:END:
```

The legacy documentation which no longer applies to the Python bindings has been removed.

Current and future documentation will adhere to the GnuPG standard of using Org Mode and not use the reStructuredText (reST) format

more commonly associated with Python documentation. The reasons for this are that this project is best served as shipping with the rest of GPGME and the documentation ought to match that. There are also aspects of Org Mode's publishing features which are superior to the defaults of reST, including the capacity to generate fully validating strict XHTML output.

If reST files are required at a later point for future inclusion with other Python packages, then that format can be generated from the .org files with Pandoc before being leveraged by either Docutils, Sphinx or something else.

While there are some advanced typesetting features of reST which are not directly available to Org Mode, more often than not those features are best implemented with either HTML and CSS, with LaTeX to produce a PDF or

via a number of XML solutions. Both reST and

Org Mode have multiple paths by which to achieve all of these.

```
from __future__ import absolute_import
```

```
import cython
```

```
import gpg
```

```
c = gpg.Context()
```

```
seckeys = c.keylist(pattern=None, secret=True)
```

```
pubkeys = c.keylist(pattern=None, secret=False)
```

```
seclist = list(seckeys)
```

```
secnum = len(seclist)
```

```
publist = list(pubkeys)
```

```
pubnum = len(publist)
```

```
if cython.compiled is True:
```

```
    cc = "Powered by Cython compiled C code."
```

```
else:
```

```
    cc = "Powered by Python."
```

```
print("""
```

```
    Number of secret keys: {0}
```

```
    Number of public keys: {1}
```

```
{2}
```

```
""").format(secnum, pubnum, cc))
```

```
\input texinfo @c -*- texinfo -*-
```

```
@c %**start of header
```

```
@setfilename maintenance-mode.info
```

```
@settitle Maintenance Mode
```

@documentencoding utf-8

@documentlanguage en

@c %\*\*end of header

@finalout

@titlepage

@title Maintenance Mode

@author Ben McGinnes

@end titlepage

@contents

@ifnottex

@node Top

@top Maintenance Mode

@end ifnottex

@menu

\* Maintenance Mode from 2019::

@detailmenu

--- The Detailed Node Listing ---

Maintenance Mode from 2019

\* Maintainer from 2019 onward::

\* Using the Python Bindings from 2019 and beyond::

\* Documentation formats::

Documentation formats

\* Cautionary Notes regarding Sphinx and EPUB::

@end detailmenu

@end menu

@node Maintenance Mode from 2019

@chapter Maintenance Mode from 2019

@multitable {aaaaaaaaaaaaaaaa} {aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa}

@item Version:

@tab 0.0.1

@item GPGME Version:

@tab 1.13.0

@item Author:

@tab Ben McGinnes <ben@@gnupg.org>

@item Author GPG Key:

@tab DB4724E6FA4286C92B4E55C4321E4E2373590E5D

@item Language:  
@tab Australian  
English, British English  
@item xml:lang:  
@tab en-AU, en-GB, en  
@end multitable

From the beginning of 2019 the Python bindings to GPGME will enter maintenance mode, meaning that new features will not be added and only bug fixes and security fixes will be made. This also means that documentation beyond that existing at the end of 2018 will not be developed further except to correct errors.

Though use of these bindings appears to have been quite well received, there has been no indication of what demand there is, if any for either financial backing of the current Python bindings development or support contracts with g10code GmbH citing the necessity of including the bindings.

@menu  
\* Maintainer from 2019 onward::  
\* Using the Python Bindings from 2019 and beyond::  
\* Documentation formats::  
@end menu

@node Maintainer from 2019 onward  
@section Maintainer from 2019 onward

How does this affect the position of GnuPG Python Bindings Maintainer?

Well, I will remain as maintainer of the bindings; but without funding for that position, the amount of time I will be able to dedicate solely to this task will be limited and reduced to volunteered time. As with all volunteered time and effort in free software projects, this will be subject to numerous external imperatives.

@node Using the Python Bindings from 2019 and beyond  
@section Using the Python Bindings from 2019 and beyond

For most, if not all, Python developers using these bindings; they will continue to just work the same as they always have. Expansions of GPGME itself are usually handled by SWIG with the existing code and thus bindings are generated properly when the bindings are installed alongside GPGME and when the latter is built from source.

In the rare circumstances where that is not enough to address some new addition to GPGME, then that is a bug and thus subject to the

maintenance mode provisions (i.e. it will be fixed following a bug report being raised and your humble author will need to remember where the timesheet template was filed, depending on how many years off such an event is).

All the GPGME functionality will continue to be accessible via the lower level, dynamically generated methods which match the GPGME C documentation. While the more intuitively Pythonic higher level layer already covers the vast majority of functionality people require with key generation, signatures, certifications (key signing), encryption, decryption, verification, validation, trust levels and so on.

Any wanted features lacking in the Python bindings are usually lacking because they are missing from GPGME itself (e.g. revoking keys via the API) and in such cases they are usually deliberately excluded. More discussion of these issues can be found in the archives of the [@uref{https://lists.gnupg.org/mailman/listinfo/gnupg-devel, gnupg-devel mailing list}](https://lists.gnupg.org/mailman/listinfo/gnupg-devel).

Any features existing in the dynamically generated layer for which people want a specific, higher level function included to make it more Pythonic (e.g. to avoid needing to learn or memorise cryptographic mode values or GnuPG status code numbers), would be a feature request and **not** a bug.

It is still worthwhile requesting it, but the addition of such a feature would not be guaranteed and provided on a purely volunteer basis. Expediting such a request would require funding that request.

Those with a commercial interest in expediting such a feature request already know how to [@uref{https://gnupg.org/cgi-bin/procdonate.cgi?mode=preset, expedite it}](https://gnupg.org/cgi-bin/procdonate.cgi?mode=preset) (use the message field to state what feature is being requested).

@node Documentation formats  
@section Documentation formats

The documentation has been written in Org mode for GNU Emacs, with both Texinfo and reStructuredText formats generated from that. The Texinfo files are intended for use with the rest of the GnuPG documentation; while the reStructuredText files are intended for use with Docutils and Sphinx, as with other Python projects.

@menu  
\* Cautionary Notes  
regarding Sphinx and EPUB::  
@end menu

@node Cautionary Notes regarding Sphinx and EPUB

@subsection Cautionary Notes regarding Sphinx and EPUB

Though Python's Docutils in conjunction with Sphinx is capable of generating some very useful HTML sites, as proven by @uref{https://readthedocs.org/, Read the Docs} and the @uref{https://docs.python.org/, Python documentation}, there are a number of output formats it does not handle well. At the top of the list of things it manages to break so atrociously as to be embarrassing is the @uref{http://idpf.org/epub, EPUB 3} format.

The automatically generated EPUB of the CPython documentation always contains hundreds of validation errors and even the modest amount of documentation here @uref{https://files.au.adversary.org.s3.amazonaws.com/crypto/gpgme-python/rst/epub/GPGMEPythonBindings.epub, produced a file} with approximately thirty validation errors. As the volume of documentation content increases, so does the induced errors. Whereas Texinfo doesn't produce EPUB output at all, nor does Org-mode.

Should there ever be genuine demand for this format, lodge a @uref{https://dev.gnupg.org/maniphest/task/edit/form/4/, feature request} case marked for @uref{https://dev.gnupg.org/p/BenM/, my} attention. The means of generating such files flawlessly is already available, but is not yet part of the GnuPG build system. Nor is it integrated with a means of converting Org mode input files to the relevant base format automatically, as can already be done when converting Org to reStructuredText or Org to Texinfo. As a certain amount of work would be required to get it done, there would need to be clear demand for that work to be done.

@bye

-----BEGIN PGP PUBLIC KEY BLOCK-----

```
mQENBFsMHecBCACqdJgqa+CeNYwPCK+MpOwAV6uFVjDyO2LmOs6+XfDWRBU/Zjtz
8zdYnKsBljkWN4ujV5aiyA7MtEofszzYLEoKU1wiDScHMpW8qmEFDv19g26MeAV
rTno9D5KodHvEIs8wnrqBs8ix0WLbh6J1Dtt8HQglbN+v3gaRQrgBFe6z2ZYpHHx
ZfOu3iFKlm2WE/NekRkvvFIo3ApGvRhGIYw6JMmugBlo7s5xosJK0I9dkPGIEEt
aF1RkcMj8sWG9vHAXcjlGgFfXSN9YLppydXpkuZGm4+gjLB2a3rbQCZVFnxCyG4O
ybjkP8Jw6Udm89bK2ucYFfjdrnYn/nJqRxeNABEBAAG0I1Rlc3QgTm9Qcm12S2V5
IDxub2JvZHIAXhBzS5vcmc+iQFOBBMBCAA4FiEE4Fmh4IZtMa4TEXCITZou
EzBBU9EFAIsMHecCGwMFCwkIBwIGFQoJCAcCBBYCAwECHgECF4AACgkQTZouEzBB
U9F+qwf/SHj4uRnTWgyJ71FBxQDYCBq3jbi6e7hMkRPbJyJdnPIMAb2p0PJjBgjW
0pp4+kDPZans3UDHbma1u/SFI4/y6isJiK94Bk5xp5YliLGnUceTjgDFe6lBhfQ1
zVWZC/NF3tPgbziIxXQTNt34nS+9dbV/QFDLW0POcN7C0jR/hgkBjMEH2PezWhSj
mL/yLflUYAoxVpXjfC5aPJKqw0tR7m5ibznjCpHE+FUMRg8EOmJcg6soeJ5QspU
k2dPN3+Y0zCTNRgAHEI+yIQbM6pio6v2c+UCtT1QhW4xSI38/kcEG8QiM55r1TUy
FcWAY5n5t1nNzTmXxse3LqEon3rKiLkBDQRbDB3nAQgAqfAjSjcngERTM+ZYOWn0
QF2v2FuEuMe8mhju7Met7SN2zGv1LnhTNshEa9IABEfjZirE2Tqx4xCWDwDedK4
u1ToFvnuAMnq2O47Sh+eTyps6WPFtPBWf6ctKY31hFXjgoyDBULBv143XU/D9C
```



Mt7nsKDPYHVrrnge/qWPYVcb+cO0sSwNImMcwQSdTQ3VBq7MeNS9ZeBcXi+XCjhN  
kjNum2AQqpkHHDQV7871yQ8RIILvZSSfkLb0/SNDU+bGaw2G3lcyKdIfZi2EWWZT  
oCbH38I/+LV7nAEe4zFpHwW8X0Dkx2aLgxe6UszDH9L3eGhTLpJhOSiaanG+zZKm  
+QARAQABiQE2BBgBCAAgFiEE4Fmh4IZtMa4TEXCITZouEzBBU9EFAIsMHecCGwwA  
CgkQTZouEzBBU9H5TQgAolWvIsez/WW8N2tmZEnX0LOFNb+1S4L4X983njwNdoVI  
w19pbj+8RIHF/H9kcPGi7jK96gvlykQn3uez/95D2AiRfW5KYdOouFisKgHpv8Ay  
BrhclHv11yK+X/0iTD0scYaG7np5162xLkaxSO9hsz2fGv20RkaXCWkI69fWw0BR  
XII5pZh2YFei2ZhH/tlMIW65h3w0gtgaZBBdpZTOOW4zvghyN+0MSObqkI1BvUJu  
caDFI4d6ZTmP5SY+pZyktZ4bg/vMH5VFxdIKgbLx9uVeTvOupvbAW0TNuLYGUBQE  
nm+S0zr3W18t64e4sS3oHse8zCqo1iiImpba6F1Oaw==

=y6DD

-----END

PGP PUBLIC KEY BLOCK-----

00~0

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0k10 UDE10U

Dsseldorf10U

g10 Code GmbH10UAegypten Project10Utest cert 10

011203093638Z

021203093638Z0k10 UDE10U

Dsseldorf10U

g10 Code GmbH10UAegypten Project10Utest cert 100

\*H

0l+Pu.\-ZT\$e'nE&h4<}BePm[%j-/7PcHKi@FKy~npcd\${}K~Q00U37Tq8\_eK40U#037Tq8\_eK4om0k10 UDE10U

Dsseldorf10U

g10 Code GmbH10UAegypten Project10Utest cert 10U00

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pk2pf[L ;Rl}#h\$~O!9;3e\A'v&P^\$'Oc.-TS~A>:fQY<

;;; gpgme.lisp

;;; Copyright (C) 2006 g10 Code GmbH

;;;

;;; This file is part of GPGME-CL.

;;;

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```
;;;
;;; You should have received a copy of the GNU General Public License
;;; along with GPGME; if not, write to the Free Software Foundation,
;;; Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.
```

```
;;; TODO
```

```
;;; Set up the library.
```

```
(in-package :gpgme)
```

```
(deftype byte-array ()
  '(simple-array (unsigned-byte 8) (*)))
```

```
(deftype character-array ()
  '(simple-array character (*)))
```

```
;;;
Debugging.
```

```
(defvar *debug* nil "If debugging output should be given or not.")
```

```
;;; Load the foreign library.
```

```
(define-foreign-library libgpgme
  (:unix "libgpgme.so")
  (t (:default "libgpgme")))
```

```
(use-foreign-library libgpgme)
```

```
;;; System dependencies.
```

```
; Access to ERRNO.
(defun ("strerror" c-strerror) :string
  (err :int))
```

```
(defun get-errno ()
  *errno*)
```

```
(defun set-errno (errno)
  (setf *errno* errno))
```

```
(define-condition system-error (error)
  ((errno :initarg :errno :reader system-error-errno))
  (:report (lambda (c stream)
    (format stream "System error: ~A: ~A"
      (system-error-errno c)
      (c-strerror (system-error-errno c)))))
```

```
(:documentation "Signalled when an errno is encountered."))
```

```
; Needed to write passphrases.
```

```
(defcfun ("write" c-write) ssize-t
```

```
(fd :int)
```

```
(buffer :string) ; Actually :pointer, but we only need string.
```

```
(size size-t))
```

```
(defun system-write (fd buffer size)
```

```
(let ((res (c-write fd buffer size)))
```

```
(when (< res 0) (error 'system-error
```

```
:errno (get-errno)))
```

```
res))
```

```
;;;
```

```
;;; C Interface Definitions
```

```
;;;
```

```
;;; Data Type Interface
```

```
;;; Some new data types used for easier translation.
```

```
;;; The number of include certs. Translates to NIL for default.
```

```
(defctype cert-int-t
```

```
(:wrapper :int
```

```
:from-c translate-cert-int-t-from-foreign
```

```
:to-c translate-cert-int-t-to-foreign))
```

```
;;; A string that may be NIL to indicate a null pointer.
```

```
(defctype string-or-nil-t
```

```
(:wrapper :string
```

```
:to-c translate-string-or-nil-t-to-foreign))
```

```
;;; Some opaque data types used by GPGME.
```

```
(defctype gpgme-ctx-t
```

```
(:wrapper :pointer
```

```
:to-c translate-gpgme-ctx-t-to-foreign)
```

```
"The GPGME context type.")
```

```
(defctype gpgme-data-t
```

```
(:wrapper :pointer
```

```
:to-c translate-gpgme-data-t-to-foreign)
```

```
"The GPGME data object type.")
```

```
;;; Wrappers for the libpgp-error library.
```

```
(defctype gpgme-error-t
```

```

(:wrapper gpg-error::gpg-error-t
 :from-c translate-gpgme-error-t-from-foreign
 :to-c translate-gpgme-error-t-to-foreign)
"The
GPGME error type.")

(defctype gpgme-error-no-signal-t
 (:wrapper gpg-error::gpg-error-t
 :from-c translate-gpgme-error-no-signal-t-from-foreign)
"The GPGME error type (this version does not signal conditions in translation.)")

(defctype gpgme-err-code-t gpg-error::gpg-err-code-t
"The GPGME error code type.")

(defctype gpgme-err-source-t gpg-error::gpg-err-source-t
"The GPGME error source type.")

(defun gpgme-err-make (source code)
"Construct an error value from an error code and source."
(gpg-err-make source code))

(defun gpgme-error (code)
"Construct an error value from an error code."
(gpgme-err-make :gpg-err-source-gpgme code))

(defun gpgme-err-code (err)
"Retrieve an error code from the error value ERR."
(gpg-err-code err))

(defun gpgme-err-source (err)
"Retrieve an error source from the error value ERR."
(gpg-err-source err))

(defun gpgme-strerror (err)
"Return a string containing a description of the error code."
(gpg-strerror err))

(defun
gpgme-strsource (err)
"Return a string containing a description of the error source."
(gpg-strsource err))

(defun gpgme-err-code-from-errno (err)
"Retrieve the error code for the system error. If the system error
is not mapped, :gpg-err-unknown-errno is returned."
(gpg-err-code-from-errno err))

(defun gpgme-err-code-to-errno (code)

```

"Retrieve the system error for the error code. If this is not a system error, 0 is returned."

(gpg-err-code-to-errno code))

(defun gpgme-err-make-from-errno (source err)

(gpg-err-make-from-errno source err))

(defun gpgme-error-from-errno (err)

(gpg-error-from-errno err))

:::

(defcenum gpgme-data-encoding-t

"The possible encoding mode of gpgme-data-t objects."

(:none 0)

(:binary 1)

(:base64 2)

(:armor 3)

(:url 4)

(:urlesc 5)

(:url0 6)

(:mime 7))

:::

(defcenum gpgme-pubkey-algo-t

"Public key algorithms from libgcrypt."

(:rsa 1)

(:rsa-e 2)

(:rsa-s 3)

(:elg-e 16)

(:dsa 17)

(:ecc 18)

(:elg 20)

(:ecdsa 301)

(:ecdh 302)

(:eddsa 303))

(defcenum gpgme-hash-algo-t

"Hash algorithms from libgcrypt."

(:none 0)

(:md5 1)

(:sha1 2)

(:rmd160 3)

(:md2 5)

(:tiger 6)

(:haval 7)

(:sha256 8)

(:sha384 9)  
(:sha512 10)  
(:sha224 11)  
(:md4 301)  
(:crc32 302)  
(:crc32-rfc1510 303)  
(:crc24-rfc2440 304))

;;;

(defcenum gpgme-sig-mode-t  
"The available signature modes."

(:none 0)  
(:detach 1)  
(:clear 2))

;;;

(defcenum gpgme-validity-t  
"The available validities for a trust item or key."

(:unknown 0)  
(:undefined 1)  
(:never 2)  
(:marginal 3)  
(:full 4)  
(:ultimate 5))

;;;

(defcenum gpgme-protocol-t  
"The available protocols."

(:openpgp 0)  
(:cms 1)  
(:gpgconf 2)  
(:assuan 3)  
(:g13 4)  
(:uiserver 5)  
(:spawn 6)  
(:default 254)  
(:unknown 255))

;;;

(defbitfield (gpgme-keylist-mode-t :unsigned-int)  
"The available keylist mode flags."

(:local 1)  
(:extern 2)  
(:sigs 4)

```
(:sig-notations)
(:with-secret 16)
(:with-tofu 32)
(:ephemeral
128)
(:validate 256))
```

```
;;
```

```
(defbitfield (gpgme-sig-notation-flags-t :unsigned-int)
"The available signature notation flags."
(:human-readable 1)
(:critical 2))
```

```
(defctype gpgme-sig-notation-t
(:wrapper :pointer
:from-c translate-gpgme-sig-notation-t-from-foreign)
"Signature notation pointer type.")
```

```
;; FIXME: Doesn't this depend on endianness?
```

```
(defbitfield (gpgme-sig-notation-bitfield :unsigned-int)
(:human-readable 1)
(:critical 2))
```

```
(defcstruct gpgme-sig-notation
"Signature notations."
(next gpgme-sig-notation-t)
(name :pointer)
(value :pointer)
(name-len :int)
(value-len :int)
(flags gpgme-sig-notation-flags-t)
(bitfield gpgme-sig-notation-bitfield))
```

```
;;
```

```
(defcenum gpgme-status-code-t
"The possible status codes for the edit operation."
(:eof 0)
(:enter 1)
(:leave 2)
(:abort 3)
(:goodsig 4)
(:badsig 5)
(:errsig 6)
(:badarmor 7)
(:rsa-or-idea 8)
(:keyexpired 9))
```

(:keyrevoked 10)  
(:trust-undefined 11)  
(:trust-never  
12)  
(:trust-marginal 13)  
(:trust-fully 14)  
(:trust-ultimate 15)  
(:shm-info 16)  
(:shm-get 17)  
(:shm-get-bool 18)  
(:shm-get-hidden 19)  
(:need-passphrase 20)  
(:validsig 21)  
(:sig-id 22)  
(:enc-to 23)  
(:nodata 24)  
(:bad-passphrase 25)  
(:no-pubkey 26)  
(:no-seckey 27)  
(:need-passphrase-sym 28)  
(:decryption-failed 29)  
(:decryption-okay 30)  
(:missing-passphrase 31)  
(:good-passphrase 32)  
(:goodmdc 33)  
(:badmdc 34)  
(:errmdc 35)  
(:imported 36)  
(:import-ok 37)  
(:import-problem 38)  
(:import-res 39)  
(:file-start 40)  
(:file-done 41)  
(:file-error 42)  
(:begin-decryption 43)  
(:end-decryption 44)  
(:begin-encryption 45)  
(:end-encryption 46)  
(:delete-problem 47)  
(:get-bool 48)  
(:get-line 49)  
(:get-hidden 50)  
(:got-it 51)  
(:progress 52)  
(:sig-created 53)  
(:session-key 54)  
(:notation-name 55)  
(:notation-data 56)



(:policy-url 57)  
(:begin-stream 58)  
(:end-stream 59)  
(:key-created 60)  
(:userid-hint 61)  
(:unexpected  
62)  
(:inv-recp 63)  
(:no-recp 64)  
(:already-signed 65)  
(:sigexpired 66)  
(:expsig 67)  
(:expkeysig 68)  
(:truncated 69)  
(:error 70)  
(:newsig 71)  
(:revkeysig 72)  
(:sig-subpacket 73)  
(:need-passphrase-pin 74)  
(:sc-op-failure 75)  
(:sc-op-success 76)  
(:cardctrl 77)  
(:backup-key-created 78)  
(:pka-trust-bad 79)  
(:pka-trust-good 80)  
(:plaintext 81)  
(:inv-sgnr 82)  
(:no-sgnr 83)  
(:success 84)  
(:decryption-info 85)  
(:plaintext-length 86)  
(:mountpoint 87)  
(:pinentry-launched 88)  
(:attribute 89)  
(:begin-signing 90)  
(:key-not-created 91)  
(:inquire-maxlen 92)  
(:failure 93)  
(:key-considered 94)  
(:tofu-user 95)  
(:tofu-stats 96)  
(:tofu-stats-long 97)  
(:notation-flags 98)  
(:decryption-compliance-mode 99)  
(:verification-compliance-mode 100))

;;;

```
(defctype gpgme-engine-info-t
  (:wrapper :pointer
   :from-c translate-gpgme-engine-info-t-to-foreign)
  "The engine information structure pointer type.")
```

```
(defcstruct gpgme-engine-info
  "Engine information."
  (next gpgme-engine-info-t)
  (protocol gpgme-protocol-t)
  (file-name :string)
  (version :string)
  (req-version :string)
  (home-dir :string))
```

```
;;
```

```
(defctype gpgme-subkey-t
  (:wrapper :pointer
   :from-c translate-gpgme-subkey-t-from-foreign)
  "A subkey from a key.")
```

```
;; FIXME: Doesn't this depend on endianness?
```

```
(defbitfield (gpgme-subkey-bitfield :unsigned-int)
  "The subkey bitfield."
  (:revoked 1)
  (:expired 2)
  (:disabled 4)
  (:invalid 8)
  (:can-encrypt 16)
  (:can-sign 32)
  (:can-certify 64)
  (:secret 128)
  (:can-authenticate 256)
  (:is-qualified 512)
  (:is-cardkey 1024)
  (:is-de-vs 2048))
```

```
(defcstruct gpgme-subkey
  "Subkey from a key."
  (next gpgme-subkey-t)
  (bitfield gpgme-subkey-bitfield)
  (pubkey-algo gpgme-pubkey-algo-t)
  (length :unsigned-int)
  (keyid :string)
  (-keyid :char :count 17)
  (fpr :string)
  (timestamp :long)
  (expires :long))
```

```
(defctype gpgme-key-sig-t
  (:wrapper :pointer
   :from-c translate-gpgme-key-sig-t-from-foreign)
  "A signature on a user ID.")
```

```
:: FIXME: Doesn't this depend on endianness?
```

```
(defbitfield (gpgme-key-sig-bitfield :unsigned-int)
  "The key signature bitfield."
  (:revoked 1)
  (:expired 2)
  (:invalid 4)
  (:exportable 16))
```

```
(defcstruct gpgme-key-sig
  "A signature on a user ID."
  (next gpgme-key-sig-t)
  (bitfield gpgme-key-sig-bitfield)
  (pubkey-algo gpgme-pubkey-algo-t)
  (keyid :string)
  (-keyid :char :count 17)
  (timestamp :long)
  (expires :long)
  (status gpgme-error-no-signal-t)
  (-class :unsigned-int)
  (uid :string)
  (name :string)
  (email :string)
  (comment :string)
  (sig-class :unsigned-int))
```

```
(defctype gpgme-user-id-t
  (:wrapper :pointer
   :from-c translate-gpgme-user-id-t-from-foreign)
  "A user ID from a key.")
```

```
:: FIXME: Doesn't this depend on endianness?
```

```
(defbitfield (gpgme-user-id-bitfield :unsigned-int)
  "The user ID bitfield."
  (:revoked 1)
  (:invalid 2))
```

```
(defcstruct gpgme-user-id
  "A user ID from a key."
  (next
```

```

gpgme-user-id-t
(bitfield gpgme-user-id-bitfield)
(validity gpgme-validity-t)
(uid :string)
(name :string)
(email :string)
(comment :string)
(signatures gpgme-key-sig-t)
(-last-keysig gpgme-key-sig-t))

(defctype gpgme-key-t
  (:wrapper :pointer
   :from-c translate-gpgme-key-t-from-foreign
   :to-c translate-gpgme-key-t-to-foreign)
  "A key from the keyring.")

;; FIXME: Doesn't this depend on endianness?
(defbitfield (gpgme-key-bitfield :unsigned-int)
  "The key bitfield."
  (:revoked 1)
  (:expired 2)
  (:disabled 4)
  (:invalid 8)
  (:can-encrypt 16)
  (:can-sign 32)
  (:can-certify 64)
  (:secret 128)
  (:can-authenticate 256)
  (:is-qualified 512))

(defcstruct gpgme-key
  "A signature on a user ID."
  (-refs :unsigned-int)
  (bitfield gpgme-key-bitfield)
  (protocol gpgme-protocol-t)
  (issuer-serial :string)
  (issuer-name :string)
  (chain-id :string)
  (owner-trust gpgme-validity-t)
  (subkeys gpgme-subkey-t)
  (uids gpgme-user-id-t)
  (-last-subkey gpgme-subkey-t)
  (-last-uid gpgme-user-id-t)
  (keylist-mode gpgme-keylist-mode-t))

;;;

```

```
;;; There is no support in CFFI to define callback C types and have
;;; automatic type checking with the callback definition.
```

```
(defctype gpgme-passphrase-cb-t :pointer)
```

```
(defctype gpgme-progress-cb-t :pointer)
```

```
(defctype gpgme-edit-cb-t :pointer)
```

```
;;;
```

```
;;; Function Interface
```

```
;;;
```

```
;;; Context management functions.
```

```
(defcfun ("gpgme_new" c-gpgme-new) gpgme-error-t
  (ctx :pointer))
```

```
(defcfun ("gpgme_release" c-gpgme-release) :void
  (ctx gpgme-ctx-t))
```

```
(defcfun ("gpgme_set_protocol" c-gpgme-set-protocol) gpgme-error-t
  (ctx gpgme-ctx-t)
  (proto gpgme-protocol-t))
```

```
(defcfun ("gpgme_get_protocol" c-gpgme-get-protocol) gpgme-protocol-t
  (ctx gpgme-ctx-t))
```

```
(defcfun ("gpgme_get_protocol_name" c-gpgme-get-protocol-name) :string
  (proto gpgme-protocol-t))
```

```
(defcfun ("gpgme_set_armor" c-gpgme-set-armor) :void
  (ctx gpgme-ctx-t)
  (yes :boolean))
```

```
(defcfun ("gpgme_get_armor" c-gpgme-get-armor) :boolean
  (ctx gpgme-ctx-t))
```

```
(defcfun ("gpgme_set_textmode" c-gpgme-set-textmode) :void
  (ctx gpgme-ctx-t)
  (yes :boolean))
```

```
(defcfun ("gpgme_get_textmode" c-gpgme-get-textmode) :boolean
  (ctx gpgme-ctx-t))
```

```
(defconstant +include-certs-default+ -256)
```

```

(defcfun ("gpgme_set_include_certs" c-gpgme-set-include-certs) :void
  (ctx gpgme-ctx-t)
  (nr-of-certs cert-int-t))

(defcfun ("gpgme_get_include_certs" c-gpgme-get-include-certs) cert-int-t
  (ctx gpgme-ctx-t))

(defcfun ("gpgme_set_keylist_mode" c-gpgme-set-keylist-mode) gpgme-error-t
  (ctx gpgme-ctx-t)
  (mode gpgme-keylist-mode-t))

(defcfun ("gpgme_get_keylist_mode" c-gpgme-get-keylist-mode)
  gpgme-keylist-mode-t
  (ctx gpgme-ctx-t))

(defcfun ("gpgme_set_passphrase_cb" c-gpgme-set-passphrase-cb) :void
  (ctx gpgme-ctx-t)
  (cb gpgme-passphrase-cb-t)
  (hook-value :pointer))

(defcfun ("gpgme_get_passphrase_cb" c-gpgme-get-passphrase-cb) :void
  (ctx gpgme-ctx-t)
  (cb-p :pointer)
  (hook-value-p :pointer))

(defcfun ("gpgme_set_progress_cb"
  c-gpgme-set-progress-cb) :void
  (ctx gpgme-ctx-t)
  (cb gpgme-progress-cb-t)
  (hook-value :pointer))

(defcfun ("gpgme_get_progress_cb" c-gpgme-get-progress-cb) :void
  (ctx gpgme-ctx-t)
  (cb-p :pointer)
  (hook-value-p :pointer))

(defcfun ("gpgme_set_locale" c-gpgme-set-locale) gpgme-error-t
  (ctx gpgme-ctx-t)
  (category :int)
  (value string-or-nil-t))

(defcfun ("gpgme_ctx_get_engine_info" c-gpgme-ctx-get-engine-info)
  gpgme-engine-info-t
  (ctx gpgme-ctx-t))

(defcfun ("gpgme_ctx_set_engine_info" c-gpgme-ctx-set-engine-info)
  gpgme-error-t
  (ctx gpgme-ctx-t))

```

```

(proto gpgme-protocol-t)
(file-name string-or-nil-t)
(home-dir string-or-nil-t))

;;;

(defcfun ("gpgme_pubkey_algo_name" c-gpgme-pubkey-algo-name) :string
  (algo gpgme-pubkey-algo-t))

(defcfun ("gpgme_hash_algo_name" c-gpgme-hash-algo-name) :string
  (algo gpgme-hash-algo-t))

;;;

(defcfun ("gpgme_signers_clear" c-gpgme-signers-clear) :void
  (ctx gpgme-ctx-t))

(defcfun ("gpgme_signers_add" c-gpgme-signers-add)
  gpgme-error-t
  (ctx gpgme-ctx-t)
  (key gpgme-key-t))

(defcfun ("gpgme_signers_enum" c-gpgme-signers-enum) gpgme-key-t
  (ctx gpgme-ctx-t)
  (seq :int))

;;;

(defcfun ("gpgme_sig_notation_clear" c-gpgme-sig-notation-clear) :void
  (ctx gpgme-ctx-t))

(defcfun ("gpgme_sig_notation_add" c-gpgme-sig-notation-add) gpgme-error-t
  (ctx gpgme-ctx-t)
  (name :string)
  (value string-or-nil-t)
  (flags gpgme-sig-notation-flags-t))

(defcfun ("gpgme_sig_notation_get" c-gpgme-sig-notation-get)
  gpgme-sig-notation-t
  (ctx gpgme-ctx-t))

;;; Run Control.

;;; There is no support in CFFI to define callback C types and have
;;; automatic type checking with the callback definition.

(defctype gpgme-io-cb-t :pointer)

```

```
(defctype gpgme-register-io-cb-t :pointer)
```

```
(defctype gpgme-remove-io-cb-t :pointer)
```

```
(defcenum gpgme-event-io-t  
  "The possible events on I/O event callbacks."  
  (:start 0)  
  (:done 1)  
  (:next-key 2)  
  (:next-trustitem 3))
```

```
(defctype gpgme-event-io-cb-t :pointer)
```

```
(defcstruct  
  gpgme-io-cbs  
  "I/O callbacks."  
  (add gpgme-register-io-cb-t)  
  (add-priv :pointer)  
  (remove gpgme-remove-io-cb-t)  
  (event gpgme-event-io-cb-t)  
  (event-priv :pointer))
```

```
(defctype gpgme-io-cbs-t :pointer)
```

```
(defcfun ("gpgme_set_io_cbs" c-gpgme-set-io-cbs) :void  
  (ctx gpgme-ctx-t)  
  (io-cbs gpgme-io-cbs-t))
```

```
(defcfun ("gpgme_get_io_cbs" c-gpgme-get-io-cbs) :void  
  (ctx gpgme-ctx-t)  
  (io-cbs gpgme-io-cbs-t))
```

```
(defcfun ("gpgme_wait" c-gpgme-wait) gpgme-ctx-t  
  (ctx gpgme-ctx-t)  
  (status-p :pointer)  
  (hang :int))
```

;;; Functions to handle data objects.

;;; There is no support in CFFI to define callback C types and have  
;;; automatic type checking with the callback definition.

```
(defctype gpgme-data-read-cb-t :pointer)  
(defctype gpgme-data-write-cb-t :pointer)  
(defctype gpgme-data-seek-cb-t :pointer)  
(defctype gpgme-data-release-cb-t :pointer)
```

```
(defcstruct gpgme-data-cbs
```



```

"Data callbacks."
(read gpgme-data-read-cb-t)
(write gpgme-data-write-cb-t)
(seek gpgme-data-seek-cb-t)
(release gpgme-data-release-cb-t))

(defctype gpgme-data-cbs-t :pointer
"Data callbacks pointer.")

(defcfun ("gpgme_data_read" c-gpgme-data-read) ssize-t
(dh gpgme-data-t)
(buffer :pointer)
(size size-t))

(defcfun ("gpgme_data_write" c-gpgme-data-write) ssize-t
(dh gpgme-data-t)
(buffer :pointer)
(size size-t))

(defcfun ("gpgme_data_seek" c-gpgme-data-seek) off-t
(dh gpgme-data-t)
(offset off-t)
(whence :int))

(defcfun ("gpgme_data_new" c-gpgme-data-new) gpgme-error-t
(dh-p :pointer))

(defcfun ("gpgme_data_release" c-gpgme-data-release) :void
(dh gpgme-data-t))

(defcfun ("gpgme_data_new_from_mem" c-gpgme-data-new-from-mem) gpgme-error-t
(dh-p :pointer)
(buffer :pointer)
(size size-t)
(copy :int))

(defcfun ("gpgme_data_release_and_get_mem" c-gpgme-data-release-and-get-mem)
:pointer
(dh gpgme-data-t)
(len-p :pointer))

(defcfun ("gpgme_data_new_from_cbs" c-gpgme-data-new-from-cbs) gpgme-error-t
(dh-p :pointer)
(cbs gpgme-data-cbs-t)
(handle :pointer))

(defcfun ("gpgme_data_new_from_fd" c-gpgme-data-new-from-fd) gpgme-error-t
(dh-p :pointer)

```

```

(fd :int))

(defcfun ("gpgme_data_new_from_stream" c-gpgme-data-new-from-stream)
  gpgme-error-t
  (dh-p :pointer)
  (stream :pointer))

(defcfun ("gpgme_data_get_encoding" c-gpgme-data-get-encoding)
  gpgme-data-encoding-t
  (dh gpgme-data-t))

(defcfun ("gpgme_data_set_encoding" c-gpgme-data-set-encoding)
  gpgme-error-t
  (dh gpgme-data-t)
  (enc gpgme-data-encoding-t))

(defcfun ("gpgme_data_get_file_name" c-gpgme-data-get-file-name) :string
  (dh gpgme-data-t))

(defcfun ("gpgme_data_set_file_name" c-gpgme-data-set-file-name) gpgme-error-t
  (dh gpgme-data-t)
  (file-name string-or-nil-t))

(defcfun ("gpgme_data_new_from_file" c-gpgme-data-new-from-file) gpgme-error-t
  (dh-p :pointer)
  (fname :string)
  (copy :int))

(defcfun ("gpgme_data_new_from_filepart" c-gpgme-data-new-from-filepart)
  gpgme-error-t
  (dh-p :pointer)
  (fname :string)
  (fp
   :pointer)
  (offset off-t)
  (length size-t))

;;; Key and trust functions.

(defcfun ("gpgme_get_key" c-gpgme-get-key) gpgme-error-t
  (ctx gpgme-ctx-t)
  (fpr :string)
  (key-p :pointer)
  (secret :boolean))

(defcfun ("gpgme_key_ref" c-gpgme-key-ref) :void
  (key gpgme-key-t))

```

```

(defcfun ("gpgme_key_unref" c-gpgme-key-unref) :void
  (key gpgme-key-t))

;;; Crypto operations.

(defcfun ("gpgme_cancel" c-gpgme-cancel) gpgme-error-t
  (ctx gpgme-ctx-t))

;;;

(defctype gpgme-invalid-key-t
  (:wrapper :pointer
   :from-c translate-gpgme-invalid-key-t-from-foreign)
  "An invalid key structure.")

(defcstruct gpgme-invalid-key
  "An invalid key structure."
  (next gpgme-invalid-key-t)
  (fpr :string)
  (reason gpgme-error-no-signal-t))

;;; Encryption.

(defcstruct gpgme-op-encrypt-result
  "Encryption result structure."
  (invalid-recipients gpgme-invalid-key-t))

(defctype gpgme-op-encrypt-result-t
  (:wrapper :pointer
   :from-c translate-gpgme-op-encrypt-result-t-from-foreign)
  "An encryption result structure.")

(defcfun ("gpgme_op_encrypt_result" c-gpgme-op-encrypt-result)
  gpgme-op-encrypt-result-t
  (ctx gpgme-ctx-t))

(defbitfield gpgme-encrypt-flags-t
  (:always-trust 1)
  (:no-encrypt-to 2)
  (:prepare 4)
  (:expect-sign 8)
  (:no-compress 16)
  (:symmetric 32)
  (:throw-keyids 64)
  (:wrap 128)
  (:want-address 256))

(defcfun ("gpgme_op_encrypt_start" c-gpgme-op-encrypt-start) gpgme-error-t

```

```

(ctx gpgme-ctx-t)
(recp :pointer) ; Key array.
(flags gpgme-encrypt-flags-t)
(plain gpgme-data-t)
(cipher gpgme-data-t))

(defcfun ("gpgme_op_encrypt" c-gpgme-op-encrypt) gpgme-error-t
  (ctx gpgme-ctx-t)
  (recp :pointer) ; Key array.
  (flags gpgme-encrypt-flags-t)
  (plain gpgme-data-t)
  (cipher gpgme-data-t))

(defcfun ("gpgme_op_encrypt_sign_start" c-gpgme-op-encrypt-sign-start)
  gpgme-error-t
  (ctx gpgme-ctx-t)
  (recp :pointer) ; Key array.
  (flags gpgme-encrypt-flags-t)
  (plain gpgme-data-t)
  (cipher gpgme-data-t))

(defcfun ("gpgme_op_encrypt_sign"
  c-gpgme-op-encrypt-sign) gpgme-error-t
  (ctx gpgme-ctx-t)
  (recp :pointer) ; Key array.
  (flags gpgme-encrypt-flags-t)
  (plain gpgme-data-t)
  (cipher gpgme-data-t))

;;; Decryption.

(defctype gpgme-recipient-t
  (:wrapper :pointer
  :from-c translate-gpgme-recipient-t-from-foreign)
  "A recipient structure.")

(defcstruct gpgme-recipient
  "Recipient structure."
  (next gpgme-recipient-t)
  (keyid :string)
  (-keyid :char :count 17)
  (pubkey-algo gpgme-pubkey-algo-t)
  (status gpgme-error-no-signal-t))

(defbitfield gpgme-op-decrypt-result-bitfield
  "Decryption result structure bitfield."
  (:wrong-key-usage 1)
  (:is-de-vs 2)

```

```
(:is-mine 4))
```

```
(defcstruct gpgme-op-decrypt-result  
  "Decryption result structure."  
  (unsupported-algorithm :string)  
  (bitfield gpgme-op-decrypt-result-bitfield)  
  (recipients gpgme-recipient-t)  
  (file-name :string))
```

```
(defctype gpgme-op-decrypt-result-t  
  (:wrapper :pointer  
   :from-c translate-gpgme-op-decrypt-result-t-from-foreign)  
  "A decryption result structure.")
```

```
(defcfun ("gpgme_op_decrypt_result" c-gpgme-op-decrypt-result)  
  gpgme-op-decrypt-result-t  
  (ctx gpgme-ctx-t))
```

```
(defcfun ("gpgme_op_decrypt_start" c-gpgme-op-decrypt-start) gpgme-error-t  
  (ctx gpgme-ctx-t)  
  (cipher gpgme-data-t)  
  (plain gpgme-data-t))
```

```
(defcfun ("gpgme_op_decrypt" c-gpgme-op-decrypt) gpgme-error-t  
  (ctx gpgme-ctx-t)  
  (cipher gpgme-data-t)  
  (plain gpgme-data-t))
```

```
(defcfun ("gpgme_op_decrypt_verify_start" c-gpgme-op-decrypt-verify-start)  
  gpgme-error-t  
  (ctx gpgme-ctx-t)  
  (cipher gpgme-data-t)  
  (plain gpgme-data-t))
```

```
(defcfun ("gpgme_op_decrypt_verify" c-gpgme-op-decrypt-verify) gpgme-error-t  
  (ctx gpgme-ctx-t)  
  (cipher gpgme-data-t)  
  (plain gpgme-data-t))
```

```
::: Signing.
```

```
(defctype gpgme-new-signature-t  
  (:wrapper :pointer  
   :from-c translate-gpgme-new-signature-t-from-foreign)  
  "A new signature structure.")
```

```
(defcstruct gpgme-new-signature  
  "New signature structure."
```

```

(next gpgme-new-signature-t)
(type gpgme-sig-mode-t)
(pubkey-algo gpgme-pubkey-algo-t)
(hash-algo gpgme-hash-algo-t)
(-obsolete-class :unsigned-long)
(timestamp :long)
(fpr :string)
(-obsolete-class-2 :unsigned-int)
(sig-class :unsigned-int))

(defcstruct gpgme-op-sign-result
  "Signing result structure."
  (invalid-signers gpgme-invalid-key-t)
  (signatures gpgme-new-signature-t))

(defctype gpgme-op-sign-result-t
  (:wrapper :pointer
   :from-c translate-gpgme-op-sign-result-t-from-foreign)
  "A signing result structure.")

(defcfun ("gpgme_op_sign_result" c-gpgme-op-sign-result)
  gpgme-op-sign-result-t
  (ctx gpgme-ctx-t))

(defcfun ("gpgme_op_sign_start" c-gpgme-op-sign-start) gpgme-error-t
  (ctx gpgme-ctx-t)
  (plain gpgme-data-t)
  (sig gpgme-data-t)
  (mode gpgme-sig-mode-t))

(defcfun ("gpgme_op_sign" c-gpgme-op-sign) gpgme-error-t
  (ctx gpgme-ctx-t)
  (plain gpgme-data-t)
  (sig gpgme-data-t)
  (mode gpgme-sig-mode-t))

;;; Verify.

(defbitfield (gpgme-sigsum-t :unsigned-int)
  "Flags
used for the summary field in a gpgme-signature-t."
  (:valid #x0001)
  (:green #x0002)
  (:red #x0004)
  (:key-revoked #x0010)
  (:key-expired #x0020)
  (:sig-expired #x0040)
  (:key-missing #x0080))

```

```

(:crl-missing #x0100)
(:crl-too-old #x0200)
(:bad-policy #x0400)
(:sys-error #x0800)
(:tofu-conflict #x1000))

(defctype gpgme-signature-t
  (:wrapper :pointer
   :from-c translate-gpgme-signature-t-from-foreign)
  "A signature structure.")

;; FIXME: Doesn't this depend on endianness?
(defbitfield (gpgme-signature-bitfield :unsigned-int)
  "The signature bitfield."
  (:wrong-key-usage 1)
  (:pka-trust 2)
  (:chain-model 4)
  (:is-de-vs 8))

(defcstruct gpgme-signature
  "Signature structure."
  (next gpgme-signature-t)
  (summary gpgme-sigsum-t)
  (fpr :string)
  (status gpgme-error-no-signal-t)
  (notations gpgme-sig-notation-t)
  (timestamp :unsigned-long)
  (exp-timestamp :unsigned-long)
  (bitfield gpgme-signature-bitfield)
  (validity gpgme-validity-t)
  (validity-reason
   gpgme-error-no-signal-t)
  (pubkey-algo gpgme-pubkey-algo-t)
  (hash-algo gpgme-hash-algo-t))

(defcstruct gpgme-op-verify-result
  "Verify result structure."
  (signatures gpgme-signature-t)
  (file-name :string))

(defctype gpgme-op-verify-result-t
  (:wrapper :pointer
   :from-c translate-gpgme-op-verify-result-t-from-foreign)
  "A verify result structure.")

(defcfun ("gpgme_op_verify_result" c-gpgme-op-verify-result)
  gpgme-op-verify-result-t
  (ctx gpgme-ctx-t))

```

```
(defcfun ("gpgme_op_verify_start" c-gpgme-op-verify-start) gpgme-error-t
  (ctx gpgme-ctx-t)
  (sig gpgme-data-t)
  (signed-text gpgme-data-t)
  (plaintext gpgme-data-t))
```

```
(defcfun ("gpgme_op_verify" c-gpgme-op-verify) gpgme-error-t
  (ctx gpgme-ctx-t)
  (sig gpgme-data-t)
  (signed-text gpgme-data-t)
  (plaintext gpgme-data-t))
```

```
::: Import.
```

```
(defbitfield (gpgme-import-flags-t :unsigned-int)
  "Flags used for the import status field."
  (:new #x0001)
  (:uid #x0002)
  (:sig #x0004)
  (:subkey #x0008)
  (:secret
   #x0010))
```

```
(defctype gpgme-import-status-t
  (:wrapper :pointer
   :from-c translate-gpgme-import-status-t-from-foreign)
  "An import status structure.")
```

```
(defcstruct gpgme-import-status
  "New import status structure."
  (next gpgme-import-status-t)
  (fpr :string)
  (result gpgme-error-no-signal-t)
  (status :unsigned-int))
```

```
(defcstruct gpgme-op-import-result
  "Import result structure."
  (considered :int)
  (no-user-id :int)
  (imported :int)
  (imported-rsa :int)
  (unchanged :int)
  (new-user-ids :int)
  (new-sub-keys :int)
  (new-signatures :int)
  (new-revocations :int)
  (secret-read :int))
```



```

(secret-imported :int)
(secret-unchanged :int)
(skipped-new-keys :int)
(not-imported :int)
(imports gpgme-import-status-t))

(defctype gpgme-op-import-result-t
  (:wrapper :pointer
   :from-c translate-gpgme-op-import-result-t-from-foreign)
  "An import status result structure.")

(defcfun ("gpgme_op_import_result" c-gpgme-op-import-result)
  gpgme-op-import-result-t
  (ctx gpgme-ctx-t))

(defcfun ("gpgme_op_import_start" c-gpgme-op-import-start) gpgme-error-t
  (ctx gpgme-ctx-t)
  (keydata gpgme-data-t))

(defcfun ("gpgme_op_import" c-gpgme-op-import) gpgme-error-t
  (ctx gpgme-ctx-t)
  (keydata gpgme-data-t))

;;; Export.

(defcfun ("gpgme_op_export_start" c-gpgme-op-export-start) gpgme-error-t
  (ctx gpgme-ctx-t)
  (pattern :string)
  (reserved :unsigned-int)
  (keydata gpgme-data-t))

(defcfun ("gpgme_op_export" c-gpgme-op-export) gpgme-error-t
  (ctx gpgme-ctx-t)
  (pattern :string)
  (reserved :unsigned-int)
  (keydata gpgme-data-t))

;;; FIXME: Extended export interfaces require array handling.

;;; Key generation.

(defbitfield (gpgme-genkey-flags-t :unsigned-int)
  "Flags used for the key generation result bitfield."
  (:primary #x0001)
  (:sub #x0002)
  (:uid #x0004))

(defcstruct gpgme-op-genkey-result

```

```

"Key generation result structure."
(bitfield gpgme-genkey-flags-t)
(fpr :string))

(defctype gpgme-op-genkey-result-t :pointer
"A
key generation result structure.")

(defcfun ("gpgme_op_genkey_result" c-gpgme-op-genkey-result)
  gpgme-op-genkey-result-t
  (ctx gpgme-ctx-t))

(defcfun ("gpgme_op_genkey_start" c-gpgme-op-genkey-start) gpgme-error-t
  (ctx gpgme-ctx-t)
  (parms :string)
  (pubkey gpgme-data-t)
  (seckey gpgme-data-t))

(defcfun ("gpgme_op_genkey" c-gpgme-op-genkey) gpgme-error-t
  (ctx gpgme-ctx-t)
  (parms :string)
  (pubkey gpgme-data-t)
  (seckey gpgme-data-t))

;;; Key deletion.

(defcfun ("gpgme_op_delete_start" c-gpgme-op-delete-start) gpgme-error-t
  (ctx gpgme-ctx-t)
  (key gpgme-key-t)
  (allow-secret :int))

(defcfun ("gpgme_op_delete" c-gpgme-op-delete) gpgme-error-t
  (ctx gpgme-ctx-t)
  (key gpgme-key-t)
  (allow-secret :int))

;;; FIXME: Add edit interfaces.

;;; Keylist interface.

(defbitfield (gpgme-keylist-flags-t :unsigned-int)
"Flags used for the key listing result bitfield."
(:truncated #x0001))

(defcstruct gpgme-op-keylist-result
"Key listing result structure."
(bitfield

```

```

gpgme-keylist-flags-t))

(defctype gpgme-op-keylist-result-t :pointer
  "A key listing result structure.")

(defcfun ("gpgme_op_keylist_result" c-gpgme-op-keylist-result)
  gpgme-op-keylist-result-t
  (ctx gpgme-ctx-t))

(defcfun ("gpgme_op_keylist_start" c-gpgme-op-keylist-start) gpgme-error-t
  (ctx gpgme-ctx-t)
  (pattern :string)
  (secret_only :boolean))

;;; FIXME: Extended keylisting requires array handling.

(defcfun ("gpgme_op_keylist_next" c-gpgme-op-keylist-next) gpgme-error-t
  (ctx gpgme-ctx-t)
  (r-key :pointer))

(defcfun ("gpgme_op_keylist_end" c-gpgme-op-keylist-end) gpgme-error-t
  (ctx gpgme-ctx-t))

;;; Various functions.

(defcfun ("gpgme_check_version" c-gpgme-check-version) :string
  (req-version string-or-nil-t))

(defcfun ("gpgme_get_engine_info" c-gpgme-get-engine-info) gpgme-error-t
  (engine-info-p :pointer))

(defcfun ("gpgme_set_engine_info" c-gpgme-set-engine-info) gpgme-error-t
  (proto gpgme-protocol-t)
  (file-name string-or-nil-t)
  (home-dir
  string-or-nil-t))

(defcfun ("gpgme_engine_check_version" c-gpgme-engine-check-version)
  gpgme-error-t
  (proto gpgme-protocol-t))

;;;
;;; L I S P   I N T E R F A C E
;;;

;;;
;;; Lisp type translators.
;;;

```

::: Both directions.

::: cert-int-t is a helper type that takes care of representing the  
::: default number of certs as NIL.

```
(defun translate-cert-int-t-from-foreign (value)
  (cond
    ((eql value +include-certs-default+) nil)
    (t value)))
```

```
(defun translate-cert-int-t-to-foreign (value)
  (cond
    (value value)
    (t +include-certs-default+)))
```

::: string-or-nil-t translates a null pointer to NIL and vice versa.  
::: Translation from foreign null pointer already works as expected.

```
(defun translate-string-or-nil-t-to-foreign (value)
  (cond
    (value value)
    (t (null-pointer))))
```

::: Output only.

::: These type translators only convert from foreign type, because we  
::: never use these types in the other direction.

::: Convert gpgme-engine-info-t linked lists into a  
list of property  
::: lists. Note that this converter will automatically be invoked  
::: recursively.  
:::  
::: FIXME: Should we use a hash table (or struct, or clos) instead of  
::: property list, as recommended by the Lisp FAQ?

```
(defun translate-gpgme-engine-info-t-from-foreign (value)
  (cond
    ((null-pointer-p value) nil)
    (t (with-foreign-slots
        ((next protocol file-name version req-version home-dir)
         value (:struct gpgme-engine-info))
        (append (list protocol (list
            :file-name file-name
            :version version
            :req-version req-version
            :home-dir home-dir))
```

```

next))))))

(defun translate-gpgme-invalid-key-t-from-foreign (value)
  (cond
    ((null-pointer-p value) nil)
    (t (with-foreign-slots
        ((next fpr reason)
         value (:struct gpgme-invalid-key))
        (append (list (list :fpr fpr
                           :reason reason))
                next))))))

(defun translate-gpgme-op-encrypt-result-t-from-foreign (value)
  (cond
    ((null-pointer-p value) nil)
    (t (with-foreign-slots
        ((invalid-recipients)
         value (:struct gpgme-op-encrypt-result))
        (list :encrypt
              (list :invalid-recipients invalid-recipients))))))

(defun translate-gpgme-recipient-t-from-foreign (value)
  (cond
    ((null-pointer-p value) nil)
    (t (with-foreign-slots
        ((next keyid pubkey-algo status)
         value (:struct gpgme-recipient))
        (append (list (list :keyid keyid
                           :pubkey-algo pubkey-algo
                           :status status))
                next))))))

(defun translate-gpgme-op-decrypt-result-t-from-foreign (value)
  (cond
    ((null-pointer-p value) nil)
    (t (with-foreign-slots
        ((unsupported-algorithm bitfield recipients file-name)
         value (:struct gpgme-op-decrypt-result))
        (list :decrypt (list :unsupported-algorithm unsupported-algorithm
                           :bitfield bitfield
                           :recipients recipients
                           :file-name file-name))))))

(defun translate-gpgme-new-signature-t-from-foreign (value)
  (cond
    ((null-pointer-p value) nil)
    (t (with-foreign-slots

```

```

((next
type pubkey-algo hash-algo timestamp fpr sig-class)
value (:struct gpgme-new-signature))
(append (list (list :type type
:pubkey-algo pubkey-algo
:hash-algo hash-algo
:timestamp timestamp
:fpr fpr
:sig-class sig-class))
next))))

```

```

(defun translate-gpgme-op-sign-result-t-from-foreign (value)
(cond
((null-pointer-p value) nil)
(t (with-foreign-slots
((invalid-signers signatures)
value (:struct gpgme-op-sign-result))
(list :sign (list :invalid-signers invalid-signers
:signatures signatures))))))

```

```

(defun translate-gpgme-signature-t-from-foreign (value)
(cond
((null-pointer-p value) nil)
(t (with-foreign-slots
((next summary fpr status notations timestamp
exp-timestamp bitfield validity validity-reason
pubkey-algo hash-algo)
value (:struct gpgme-signature))
(append (list (list :summary summary
:fpr fpr
:status status
:notations notations
:timestamp timestamp

:exp-timestamp exp-timestamp
:bitfield bitfield
:validity validity
:validity-reason validity-reason
:pubkey-algo pubkey-algo))
next))))

```

```

(defun translate-gpgme-op-verify-result-t-from-foreign (value)
(cond
((null-pointer-p value) nil)
(t (with-foreign-slots
((signatures file-name)
value (:struct gpgme-op-verify-result))
(list :verify (list :signatures signatures

```

```
:file-name file-name))))))
```

```
(defun translate-gpgme-import-status-t-from-foreign (value)
  (cond
    ((null-pointer-p value) nil)
    (t (with-foreign-slots
        ((next fpr result status)
         value (:struct gpgme-import-status))
        (append (list (list :fpr fpr
                           :result result
                           :status status))
                next))))))
```

```
(defun translate-gpgme-op-import-result-t-from-foreign (value)
  (cond
    ((null-pointer-p value) nil)
    (t (with-foreign-slots
        ((considered no-user-id imported imported-rsa unchanged
         new-user-ids new-sub-keys new-signatures
         new-revocations
         secret-read secret-imported
         secret-unchanged skipped-new-keys not-imported
         imports)
         value (:struct gpgme-op-import-result))
        (list :verify (list :considered considered
                           :no-user-id no-user-id
                           :imported imported
                           :imported-rsa imported-rsa
                           :unchanged unchanged
                           :new-user-ids new-user-ids
                           :new-sub-keys new-sub-keys
                           :new-signatures new-signatures
                           :new-revocations new-revocations
                           :secret-read secret-read
                           :secret-imported secret-imported
                           :secret-unchanged secret-unchanged
                           :skipped-new-keys skipped-new-keys
                           :not-imported not-imported
                           :imports imports))))))
```

```
;;; Error handling.
```

```
;;; Use gpgme-error-no-signal-t to suppress automatic error handling
```

```
;;; at translation time.
```

```
;;;
```

```
;;; FIXME: Part of this probably should be in gpg-error!
```

```
(define-condition gpgme-error (error)
```

```
((value :initarg :gpgme-error :reader gpgme-error-value))
(:report (lambda (c stream)

  (format stream "GPGME returned error: ~A (~A)"
    (gpgme-strerror (gpgme-error-value c))
    (gpgme-strsource (gpgme-error-value c))))))
(:documentation "Signalled when a GPGME function returns an error."))
```

```
(defun translate-gpgme-error-t-from-foreign (value)
  "Raise a GPGME-ERROR if VALUE is non-zero."
  (when (not (eql (gpgme-err-code value) :gpg-err-no-error))
    (error 'gpgme-error :gpgme-error value))
  (gpg-err-canonicalize value))
```

```
(defun translate-gpgme-error-t-to-foreign (value)
  "Canonicalize the error value."
  (if (eql (gpgme-err-code value) :gpg-err-no-error)
      0
      (gpg-err-as-value value)))
```

```
(defun translate-gpgme-error-no-signal-t-from-foreign (value)
  "Canonicalize the error value."
  (gpg-err-canonicalize value))
```

```
;;; *INTERNAL* Lispy Function Interface that is still close to the C
;;; interface.
```

```
;;; Passphrase callback management.
```

```
;;; Maybe: Instead, use subclassing, and provide a customizable
;;; default implementation for ease-of-use.
```

```
(defvar
  *passphrase-handles* (make-hash-table)
  "Hash table with GPGME context address as key and the corresponding
  passphrase callback object as value.")
```

```
(defcallback passphrase-cb gpgme-error-t ((handle :pointer)
  (uid-hint :string)
  (passphrase-info :string)
  (prev-was-bad :boolean)
  (fd :int))
  (handler-case
    (let* ((passphrase-cb
      (gethash (pointer-address handle) *passphrase-handles*)))
      (passphrase
        (cond
```



```

(functionp passphrase-cb)
  (concatenate 'string
    (funcall passphrase-cb uid-hint passphrase-info
      prev-was-bad)
    '(\Newline)))
(t (concatenate 'string passphrase-cb '(\Newline))))
  (passphrase-len (length passphrase))
  ;; FIXME: Could be more robust.
  (res (system-write fd passphrase passphrase-len)))
(cond
  ((< res passphrase-len) ; FIXME: Blech. A weak attempt to be robust.
    (gpgme-error :gpg-err-ival))
  (t (gpgme-error :gpg-err-no-error))))
  (gpgme-error (err)
    (gpgme-error-value err))
  (system-error (err) (gpgme-error-from-errno (system-error-errno err)))
  ;; FIXME: The original error gets lost here.
  (condition (err) (progn
    (when *debug*
      (format t "DEBUG: passphrase-cb: Unexpressable: ~A~%"
        err))
    (gpgme-error :gpg-err-general))))))

```

;;; CTX is a C-pointer to the context.

```

(defun gpgme-set-passphrase-cb (ctx cb)
  "Set the passphrase callback for CTX."
  (let ((handle (pointer-address ctx)))
    (cond
      (cb (setf (gethash handle *passphrase-handles*) cb)
        (c-gpgme-set-passphrase-cb ctx (callback passphrase-cb) ctx))
      (t (c-gpgme-set-passphrase-cb ctx (null-pointer) (null-pointer))
        (remhash handle *passphrase-handles*))))))

```

;;; Progress callback management.

;;; Maybe: Instead, use subclassing, and provide a customizable

;;; default implementation for ease-of-use.

```

(defvar *progress-handles* (make-hash-table)
  "Hash table with GPGME context address as key and the corresponding
  progress callback
  object as value.")

```

```

(defcallback progress-cb :void ((handle :pointer)
  (what :string)
  (type :int)
  (current :int)
  (total :int))

```

```

(handler-case
  (let* ((progress-cb
         (gethash (pointer-address handle) *progress-handles*)))
    (funcall progress-cb what type current total))
  ;; FIXME: The original error gets lost here.
  (condition (err) (when *debug*
                     (format t "DEBUG: progress-cb: Unexpressable: ~A~%"
                             err))))))

;;; CTX is a C-pointer to the context.
(defun gpgme-set-progress-cb (ctx cb)
  "Set the progress callback for CTX."
  (let ((handle (pointer-address ctx)))
    (cond
     (cb (setf (gethash handle *progress-handles*) cb)
          (c-gpgme-set-progress-cb ctx (callback progress-cb) ctx)
          (t (c-gpgme-set-progress-cb ctx (null-pointer) (null-pointer))
              (remhash handle *progress-handles*))))))

;;; Context management.

(defun gpgme-new (&key (protocol :openpgp) armor textmode include-certs
                  keylist-mode passphrase progress file-name
                  home-dir)
  "Allocate a new GPGME context."
  (with-foreign-object (ctx-p 'gpgme-ctx-t)
    (c-gpgme-new ctx-p)
    (let ((ctx (mem-ref ctx-p 'gpgme-ctx-t)))
      ;;; Set locale?
      (gpgme-set-protocol ctx protocol)
      (gpgme-set-armor ctx armor)
      (gpgme-set-textmode ctx textmode)
      (when include-certs (gpgme-set-include-certs ctx include-certs))
      (when keylist-mode (gpgme-set-keylist-mode ctx keylist-mode))
      (gpgme-set-passphrase-cb ctx passphrase)
      (gpgme-set-progress-cb ctx progress)
      (gpgme-set-engine-info ctx protocol
                             :file-name file-name :home-dir home-dir)
      (when *debug* (format t "DEBUG: gpgme-new: ~A~%" ctx)
                    ctx)))

(defun gpgme-release (ctx)
  "Release a GPGME context."
  (when *debug* (format t "DEBUG: gpgme-release: ~A~%" ctx))
  (c-gpgme-release ctx))

(defun gpgme-set-protocol (ctx proto)
  "Set the protocol to be used by CTX to PROTO."

```

```

(c-gpgme-set-protocol ctx proto))

(defun gpgme-get-protocol (ctx)
  "Get
the protocol used with CTX."
  (c-gpgme-get-protocol ctx))

;;; FIXME: How to do pretty printing?
;;;
;;; gpgme-get-protocol-name

(defun gpgme-set-armor (ctx armor)
  "If ARMOR is true, enable armor mode in CTX, disable it otherwise."
  (c-gpgme-set-armor ctx armor))

(defun gpgme-armor-p (ctx)
  "Return true if armor mode is set for CTX."
  (c-gpgme-get-armor ctx))

(defun gpgme-set-textmode (ctx textmode)
  "If TEXTMODE is true, enable text mode mode in CTX, disable it otherwise."
  (c-gpgme-set-textmode ctx textmode))

(defun gpgme-textmode-p (ctx)
  "Return true if text mode mode is set for CTX."
  (c-gpgme-get-textmode ctx))

(defun gpgme-set-include-certs (ctx &optional certs)
  "Include up to CERTS certificates in an S/MIME message."
  (c-gpgme-set-include-certs ctx certs))

(defun gpgme-get-include-certs (ctx)
  "Return the number of certs to include in an S/MIME message,
or NIL if the default is used."
  (c-gpgme-get-include-certs ctx))

(defun gpgme-get-keylist-mode (ctx)
  "Get the keylist mode in CTX."
  (c-gpgme-get-keylist-mode ctx))

(defun gpgme-set-keylist-mode (ctx mode)
  "Set the keylist mode in CTX."
  (c-gpgme-set-keylist-mode ctx mode))

;;; FIXME: How to handle locale? cffi-grovel?

(defun gpgme-get-engine-info (&optional ctx)

```

```

"Retrieve the engine info for CTX, or the default if CTX is omitted."
(cond
  (ctx (c-gpgme-ctx-get-engine-info ctx))
  (t (with-foreign-object (info-p 'gpgme-engine-info-t)
    (c-gpgme-get-engine-info info-p)
    (mem-ref info-p 'gpgme-engine-info-t))))))

(defun gpgme-set-engine-info (ctx proto &key file-name home-dir)
  "Set the engine info for CTX, or the default if CTX is NIL."
  (cond
    (ctx (c-gpgme-ctx-set-engine-info ctx proto file-name home-dir))
    (t (c-gpgme-set-engine-info proto file-name home-dir))))

;;; FIXME: How to do pretty printing?
;;;
;;; gpgme_pubkey_algo_name, gpgme_hash_algo_name

(defun gpgme-set-signers (ctx keys)
  "Set the signers for the context CTX."
  (c-gpgme-signers-clear ctx)
  (dolist (key keys) (c-gpgme-signers-add ctx key)))

;;;

(defun gpgme-set-sig-notation (ctx notations)
  "Set the sig notation for the context CTX."
  (c-gpgme-sig-notation-clear ctx)
  (dolist (notation notations)
    (c-gpgme-sig-notation-add
      ctx (first notation) (second notation) (third notation))))

(defun gpgme-get-sig-notation (ctx)
  "Get the signature notation data for the context CTX."
  (c-gpgme-sig-notation-get ctx))

;;; FIXME: Add I/O callback interface, for integration with clg.

;;; FIXME: Add gpgme_wait?

;;; Streams
;;; -----
;;;
;;; GPGME uses standard streams. You can define your own streams, or
;;; use the existing file or string streams.
;;;
;;; A stream-spec is either a stream, or a list with a stream as its
;;; first argument followed by keyword parameters: encoding,
;;; file-name.

```

```

;;;
;;; FIXME: Eventually, we should provide a class that can be mixed
;;; into stream classes and which provides accessors for encoding and
;;; file-names. This interface
    should be provided in addition to the
;;; above sleazy interface, because the sleazy interface is easier to
;;; use (less typing), and is quite sufficient in a number of cases.
;;;
;;; For best results, streams with element type (unsigned-byte 8)
;;; should be used. Character streams may work if armor mode is used.

;;; Do we need to provide access to GPGME data objects through streams
;;; as well? It seems to me that specific optimizations, like
;;; directly writing to file descriptors, is better done by extending
;;; the sleazy syntax (stream-spec) instead of customized streams.
;;; Customized streams do buffering, and this may mess up things. Mmh.

```

```

(defvar *data-handles* (make-hash-table)

```

```

    "Hash table with GPGME data user callback handle address as key
    and the corresponding stream as value.")

```

```

;;; The release callback removes the stream from the *data-handles*
;;; hash and releases the CBS structure that is used as the key in
;;; that hash. It is implicitly invoked (through
    GPGME) by
;;; gpgme-data-release.

```

```

(defcallback data-release-cb :void ((handle :pointer))
  (unwind-protect (remhash (pointer-address handle) *data-handles*)
    (when (not (null-pointer-p handle)) (foreign-free handle))))

```

```

(defcallback data-read-cb ssize-t ((handle :pointer) (buffer :pointer)
  (size size-t))

```

```

  (when *debug* (format t "DEBUG: gpgme-data-read-cb: want ~A~%" size))

```

```

  (let ((stream (gethash (pointer-address handle) *data-handles*)))

```

```

    (cond

```

```

      (stream

```

```

        (let* ((stream-type (stream-element-type stream))

```

```

              (seq (make-array size :element-type stream-type))

```

```

              (read (read-sequence seq stream))))

```

```

        (cond

```

```

          ((equal stream-type '(unsigned-byte 8))

```

```

            (dotimes (i read)

```

```

              (setf (mem-aref buffer :unsigned-char i)

```

```

                    (aref (the byte-array seq) i))))

```

```

          ((eql stream-type 'character)

```

```

            (dotimes (i read)

```

```

              (setf (mem-aref buffer :unsigned-char

```

```

i)
    (char-code (aref (the character-array seq) i))))
  (t
    (dotimes (i read)
      (setf (mem-aref buffer :unsigned-char i)
            (coerce (aref seq i) '(unsigned-byte 8))))))
  (when *debug* (format t "DEBUG: gpgme-data-read-cb: read ~A~%" read)
    read))
(t
  (set-errno +ebadf+)
  -1))))

```

```

(defcallback data-write-cb ssize-t ((handle :pointer) (buffer :pointer)
    (size size-t)
  (when *debug* (format t "DEBUG: gpgme-data-write-cb: want ~A~%" size))
  (let ((stream (gethash (pointer-address handle) *data-handles*)))
    (cond
      (stream
        (let* ((stream-type (stream-element-type stream))
              (seq (make-array size :element-type stream-type)))
          (cond
            ((equal stream-type '(unsigned-byte 8))
              (dotimes (i size)
                (setf (aref (the byte-array seq) i)
                      (mem-aref buffer :unsigned-char i))))
            ((eql stream-type 'character)
              (dotimes (i size)
                (setf (aref (the character-array seq) i)
                      (code-char (mem-aref buffer :unsigned-char i))))))
          (t
            (dotimes (i size)
              (setf (aref seq i)
                    (coerce (mem-aref buffer :unsigned-char i) stream-type))))))
        (write-sequence seq stream)
        size))
      (t
        (set-errno +ebadf+)
        -1))))

```

;;; This little helper macro allows us to swallow the cbs structure by  
 ;;; simply setting it to a null pointer, but still protect against  
 ;;; conditions.

```

(defmacro with-cbs-swallowed ((cbs) &body body)
  `(let ((,cbs (foreign-alloc '(struct gpgme-data-cbs))))
    (unwind-protect (progn ,@body)
      (when (not (null-pointer-p ,cbs)) (foreign-free ,cbs))))))

```

```

(defun gpgme-data-new (stream &key encoding file-name)

```

```

"Allocate a new GPGME data object for STREAM."
(with-foreign-object (dh-p 'gpgme-data-t)
  ;; We allocate one CBS structure
  for each stream we wrap in a
  ;; data object. Although we could also share all these
  ;; structures, as they contain the very same callbacks, we need a
  ;; unique C pointer as handle anyway to look up the stream in the
  ;; callback. This is a convenient one to use.
  (with-cbs-swallowed (cbs)
    (setf (foreign-slot-value cbs '(:struct gpgme-data-cbs) 'read)
          (callback data-read-cb))
    (setf (foreign-slot-value cbs '(:struct gpgme-data-cbs) 'write)
          (callback data-write-cb))
    (setf (foreign-slot-value cbs '(:struct gpgme-data-cbs) 'seek)
          (null-pointer))
    (setf (foreign-slot-value cbs '(:struct gpgme-data-cbs) 'release)
          (callback data-release-cb))
    (c-gpgme-data-new-from-cbs dh-p cbs cbs)
    (let ((dh (mem-ref dh-p 'gpgme-data-t)))
      (when encoding (gpgme-data-set-encoding dh encoding))
      (when file-name (gpgme-data-set-file-name dh file-name))
      ;; Install the stream into the hash table and
      swallow the cbs
      ;; structure while protecting against any errors.
      (unwind-protect
        (progn
          (setf (gethash (pointer-address cbs) *data-handles*) stream)
                (setf cbs (null-pointer)))
          (when (not (null-pointer-p cbs)) (c-gpgme-data-release dh)))
        (when *debug* (format t "DEBUG: gpgme-data-new: ~A~%" dh)
          dh))))

;; This function releases a GPGME data object. It implicitly
;; invokes the data-release-cb function to clean up associated junk.
(defun gpgme-data-release (dh)
  "Release a GPGME data object."
  (when *debug* (format t "DEBUG: gpgme-data-release: ~A~%" dh))
  (c-gpgme-data-release dh))

(defclass data ()
  (c-data) ; The C data object pointer
  (:documentation "The GPGME data type.))

(defmethod initialize-instance :after ((data data) &key streamspec
                                     &allow-other-keys)
  (let ((c-data (if (listp streamspec)
                    (apply #'gpgme-data-new streamspec)
                    (gpgme-data-new streamspec))))

```

```

(cleanup t)
(unwind-protect
  (progn
    (setf (slot-value data 'c-data) c-data)
    (finalize data (lambda () (gpgme-data-release c-data)))
    (setf cleanup nil))
  (if cleanup (gpgme-data-release c-data))))

(defun translate-gpgme-data-t-to-foreign (value)
  ;; Allow a pointer to be passed directly for the finalizer to work.
  (cond
    ((null value) (null-pointer))
    ((pointerp value) value)
    (t (slot-value value 'c-data))))

(defmacro with-gpgme-data ((dh streamspec) &body body)
  `(let ((,dh (make-instance 'data :streamspec ,streamspec)))
    ,@body))

(defun gpgme-data-get-encoding (dh)
  "Get the encoding associated with the data object DH."
  (c-gpgme-data-get-encoding dh))

(defun gpgme-data-set-encoding (dh encoding)
  "Set the encoding associated with the data object DH to ENCODING."
  (c-gpgme-data-set-encoding dh encoding))

(defun gpgme-data-get-file-name (dh)
  "Get the file name associated with the data object
  DH."
  (c-gpgme-data-get-file-name dh))

(defun gpgme-data-set-file-name (dh file-name)
  "Set the file name associated with the data object DH to FILE-NAME."
  (c-gpgme-data-set-file-name dh file-name))

;;; FIXME: Add key accessor interfaces.

(defun gpgme-get-key (ctx fpr &optional secret)
  "Get the key with the fingerprint FPR from the context CTX."
  (with-foreign-object (key-p 'gpgme-key-t)
    (c-gpgme-get-key ctx fpr key-p secret)
    (mem-ref key-p 'gpgme-key-t)))

(defun gpgme-key-ref (key)
  "Acquire an additional reference to the key KEY."
  (when *debug* (format t "DEBUG: gpgme-key-ref: ~A~%" key))
  (c-gpgme-key-ref key))

```



```

(defun gpgme-key-unref (key)
  "Release a reference to the key KEY."
  (when *debug* (format t "DEBUG: gpgme-key-unref: ~A~%" key))
  (c-gpgme-key-unref key))

;;; FIXME: We REALLY need pretty printing for keys and all the other
;;; big structs.

;;; Various interfaces.

(defun gpgme-check-version (&optional req-version)
  (c-gpgme-check-version req-version))

;;;
;;;
The *EXPORTED* CLOS interface.
;;;

;;; The context type.

;;; We wrap the C context pointer into a class object to be able to
;;; stick a finalizer on it.

(defclass context ()
  (c-ctx ; The C context object pointer.
   signers ; The list of signers.
   sig-notation) ; The list of signers.
  (:documentation "The GPGME context type.))

(defmethod initialize-instance :after ((ctx context) &rest rest
  &key &allow-other-keys)
  (let ((c-ctx (apply #'gpgme-new rest))
        (cleanup t))
    (unwind-protect
      (progn (setf (slot-value ctx 'c-ctx) c-ctx)
              (finalize ctx (lambda () (gpgme-release c-ctx)))
              (setf cleanup nil))
      (if cleanup (gpgme-release c-ctx))))))

(defun translate-gpgme-ctx-t-to-foreign (value)
  ;; Allow a pointer to be passed directly for the finalizer to work.
  (if (pointerp value) value (slot-value value 'c-ctx)))

(defmacro context (&rest rest)
  "Create a new GPGME context."
  `(make-instance 'context ,@rest))

```

;;; The context type: Accessor  
functions.

;;; The context type: Accessor functions: Protocol.

```
(defgeneric protocol (ctx)
  (:documentation "Get the protocol of CONTEXT."))
```

```
(defmethod protocol ((ctx context))
  (gpgme-get-protocol ctx))
```

```
(defgeneric (setf protocol) (protocol ctx)
  (:documentation "Set the protocol of CONTEXT to PROTOCOL."))
```

;;; FIXME: Adjust translator to reject invalid protocols. Currently,  
;;; specifying an invalid protocol throws a "NIL is not 32 signed int"  
;;; error. This is suboptimal.

```
(defmethod (setf protocol) (protocol (ctx context))
  (gpgme-set-protocol ctx protocol))
```

;;; The context type: Accessor functions: Armor.

;;; FIXME: Is it good style to make foop self-able? Or should it be  
;;; foo/foop for set/get?

```
(defgeneric armorp (ctx)
  (:documentation "Get the armor flag of CONTEXT."))
```

```
(defmethod armorp ((ctx context))
  (gpgme-armor-p ctx))
```

```
(defgeneric (setf armorp) (armor ctx)
  (:documentation "Set the armor flag of CONTEXT to ARMOR."))
```

```
(defmethod (setf armorp) (armor (ctx
  context))
  (gpgme-set-armor ctx armor))
```

;;; The context type: Accessor functions: Textmode.

;;; FIXME: Is it good style to make foop self-able? Or should it be  
;;; foo/foop for set/get?

```
(defgeneric textmodep (ctx)
  (:documentation "Get the text mode flag of CONTEXT."))
```

```
(defmethod textmodep ((ctx context))
  (gpgme-textmode-p ctx))
```

```
(defgeneric (setf textmodep) (textmode ctx)
```

```
(:documentation "Set the text mode flag of CONTEXT to TEXTMODE.")
```

```
(defmethod (setf textmodep) (textmode (ctx context))  
  (gpgme-set-textmode ctx textmode))
```

```
::; The context type: Accessor functions: Include Certs.
```

```
(defgeneric include-certs (ctx)  
  (:documentation "Get the number of included certificates in an  
    S/MIME message, or NIL if the default is used."))
```

```
(defmethod include-certs ((ctx context))  
  (gpgme-get-include-certs ctx))
```

```
(defgeneric (setf include-certs) (certs ctx)  
  (:documentation "Return the number of certificates to include in an  
    S/MIME message, or  
    NIL if the default is used."))
```

```
(defmethod (setf include-certs) (certs (ctx context))  
  (gpgme-set-include-certs ctx certs))
```

```
::; The context type: Accessor functions: Engine info.
```

```
(defgeneric engine-info (ctx)  
  (:documentation "Retrieve the engine info for CTX."))
```

```
(defmethod engine-info ((ctx context))  
  (gpgme-get-engine-info ctx))
```

```
(defgeneric (setf engine-info) (info ctx)  
  (:documentation "Set the engine info for CTX."))
```

```
(defmethod (setf engine-info) (info (ctx context))  
  (dolist (proto '(:openpgp :cms))  
    (let ((pinfo (getf info proto)))  
      (when pinfo  
        (gpgme-set-engine-info ctx proto :file-name (getf pinfo :file-name)  
          :home-dir (getf pinfo :home-dir))))))
```

```
::; The context type: Accessor functions: Keylist mode.
```

```
(defgeneric keylist-mode (ctx)  
  (:documentation "Get the keylist mode of CTX."))
```

```
(defmethod keylist-mode ((ctx context))  
  (gpgme-get-keylist-mode ctx))
```

```
(defgeneric (setf keylist-mode) (mode ctx)
 (:documentation "Set the keylist mode of CTX to MODE."))
```

```
(defmethod
 (setf keylist-mode) (mode (ctx context))
 (gpgme-set-keylist-mode ctx mode))
```

;;; The context type: Accessor functions: Signers.

```
(defgeneric signers (ctx)
 (:documentation "Get the signers of CTX."))
```

```
(defmethod signers ((ctx context))
 (slot-value ctx 'signers))
```

```
(defgeneric (setf signers) (signers ctx)
 (:documentation "Set the signers of CTX to SIGNERS."))
```

```
(defmethod (setf keylist-mode) (signers (ctx context))
 (gpgme-set-signers ctx signers)
 (setf (slot-value ctx 'signers) signers))
```

;;; The context type: Accessor functions: Sig notations.

```
(defgeneric sig-notations (ctx)
 (:documentation "Get the signature notations of CTX."))
```

```
(defmethod sig-notations ((ctx context))
 (slot-value ctx 'signers))
```

```
(defgeneric (setf sig-notations) (notations ctx)
 (:documentation "Set the signatire notations of CTX to NOTATIONS."))
```

```
(defmethod (setf sig-notations) (notations (ctx context))
 (gpgme-set-signers ctx notations)
 (setf (slot-value ctx 'notations) notations))
```

;;;

The context type: Support macros.

```
(defmacro with-context ((ctx &rest rest) &body body)
 `(let ((,ctx (make-instance 'context ,@rest)))
 ,@body))
```

;;; The key type.

```
(defclass key ()
 (c-key) ; The C key object pointer.
```

```

(:documentation "The GPGME key type.")

;;; In the initializer, we swallow the c-key argument.
(defmethod initialize-instance :after ((key key) &key c-key
    &allow-other-keys)
  (setf (slot-value key 'c-key) c-key)
  (finalize key (lambda () (gpgme-key-unref c-key))))

(defun translate-gpgme-key-t-from-foreign (value)
  (when *debug* (format t "DEBUG: import key: ~A~%" value))
  (make-instance 'key :c-key value))

(defun translate-gpgme-key-t-to-foreign (value)
  ;; Allow a pointer to be passed directly for the finalizer to work.
  (if (pointerp value) value (slot-value value 'c-key)))

(defmethod print-object ((key key) stream)
  (print-unreadable-object (key stream :type t :identity t)
    (format stream "~s" (fpr key))))

;;; The key type:
Accessor functions.

;;; FIXME: The bitfield and flags contain redundant information at
;;; this point.  FIXME: Deal nicer with zero-length name (policy url)
;;; and zero length value (omit?) and human-readable (convert to string).
;;; FIXME: Turn binary data into sequence or vector or what it should be.
;;; FIXME: Turn the whole thing into a hash?
(defun translate-gpgme-sig-notation-t-from-foreign (value)
  (cond
    ((null-pointer-p value) nil)
    (t (with-foreign-slots
        ((next name value name-len value-len flags bitfield)
         value (:struct gpgme-sig-notation))
      (append (list (list
          :name name
          :value value
          :name-len name-len
          :value-len value-len
          :flags flags
          :bitfield bitfield))
        next))))))

;;; FIXME: Deal nicer with timestamps.  bitfield field name?
(defun translate-gpgme-subkey-t-from-foreign (value)
  (cond
    ((null-pointer-p value) nil)
    (t (with-foreign-slots

```

```
((next bitfield pubkey-algo length keyid fpr timestamp expires)
 value (:struct gpgme-subkey))
```

```
(append (list (list
 :bitfield bitfield
 :pubkey-algo pubkey-algo
 :length length
 :keyid keyid
 :fpr fpr
 :timestamp timestamp
 :expires expires))
 next))))
```

```
(defun translate-gpgme-key-sig-t-from-foreign (value)
 (cond
 ((null-pointer-p value) nil)
 (t (with-foreign-slots
 ((next bitfield pubkey-algo keyid timestamp expires status
 uid name email comment sig-class)
 value (:struct gpgme-key-sig))
 (append (list (list
 :bitfield bitfield
 :pubkey-algo pubkey-algo
 :keyid keyid
 :timestamp timestamp
 :expires expires
 :status status
 :uid uid
 :name name
 :email email
 :comment comment
 :sig-class sig-class))
 next))))))
```

```
(defun translate-gpgme-user-id-t-from-foreign (value)
 (cond
 ((null-pointer-p value) nil)
 (t (with-foreign-slots
 ((next bitfield validity uid name email comment signatures)
 value (:struct gpgme-user-id))
 (append (list (list
 :bitfield bitfield
 :validity validity
 :uid uid
 :name
 name
 :email email
 :comment comment
```

```
:signatures signatures))
next))))))
```

```
(defun key-data (key)
  (with-slots (c-key) key
    (with-foreign-slots
      ((bitfield protocol issuer-serial issuer-name chain-id
        owner-trust subkeys uids keylist-mode)
       c-key (:struct gpgme-key))
      (list
        :bitfield bitfield
        :protocol protocol
        :issuer-serial issuer-serial
        :issuer-name issuer-name
        :chain-id chain-id
        :owner-trust owner-trust
        :subkeys subkeys
        :uids uids
        :keylist-mode keylist-mode))
    ))
```

```
(defgeneric fpr (key)
  (:documentation "Get the primary fingerprint of the key."))
```

```
(defmethod fpr ((key key))
  (getf (car (getf (key-data key) :subkeys)) :fpr))
```

::: The context type: Crypto-Operations.

```
(defgeneric get-key (ctx fpr &optional secret)
  (:documentation "Get the (secret) key FPR from CTX."))
```

```
(defmethod get-key ((ctx context) fpr &optional secret)
  (gpgme-get-key ctx fpr secret))
```

::: Encrypt.

```
(defgeneric
  op-encrypt (ctx recp plain cipher &key always-trust sign)
  (:documentation "Encrypt."))
```

```
(defmethod op-encrypt ((ctx context) recp plain cipher
  &key always-trust sign)
  (with-foreign-object (c-recp :pointer (+ 1 (length recp)))
    (dotimes (i (length recp))
      (setf (mem-aref c-recp 'gpgme-key-t i) (elt recp i))))
```

```

(setf (mem-aref c-recp :pointer (length recp)) (null-pointer))
(with-gpgme-data (in plain)
  (with-gpgme-data (out cipher)
    (let ((flags))
      (if always-trust (push :always-trust flags))
      (cond
        (sign
         (c-gpgme-op-encrypt-sign ctx c-recp flags in out)
         (append (c-gpgme-op-encrypt-result ctx)
                  (c-gpgme-op-sign-result ctx))))
        (t
         (c-gpgme-op-encrypt ctx c-recp flags in out)
         (c-gpgme-op-encrypt-result ctx)))))))

```

;;; Decrypt.

```

(defgeneric op-decrypt (ctx cipher plain &key verify)
  (:documentation "Decrypt."))

```

```

(defmethod op-decrypt ((ctx context) cipher plain &key verify)
  (with-gpgme-data (in cipher)
    (with-gpgme-data
     (out plain)
     (cond
      (verify
       (c-gpgme-op-decrypt-verify ctx in out)
       (append (c-gpgme-op-decrypt-result ctx)
                (c-gpgme-op-verify-result ctx)))
      (t
       (c-gpgme-op-decrypt ctx in out)
       (c-gpgme-op-decrypt-result ctx))))))

```

;;; Signing.

```

(defgeneric op-sign (ctx plain sig &optional mode)
  (:documentation "Sign."))

```

```

(defmethod op-sign ((ctx context) plain sig &optional (mode :none))
  (with-gpgme-data (in plain)
    (with-gpgme-data (out sig)
      (c-gpgme-op-sign ctx in out mode)
      (c-gpgme-op-sign-result ctx))))

```

;;; Verify.

```

(defgeneric op-verify (ctx sig text &key detached)
  (:documentation "Verify."))

```



```
(defmethod op-verify ((ctx context) sig text &key detached)
  (with-gpgme-data (in sig)
    (with-gpgme-data (on text)
      (c-gpgme-op-verify ctx in (if detached on nil)
        (if detached nil on))
      (c-gpgme-op-verify-result ctx))))
```

;;; Import.

```
(defgeneric op-import (ctx keydata)
  (:documentation "Import."))
```

```
(defmethod op-import ((ctx context) keydata)
  (with-gpgme-data (in keydata)
    (c-gpgme-op-import ctx in)
    (c-gpgme-op-import-result ctx)))
```

;;; Export.

```
(defgeneric op-export (ctx pattern keydata)
  (:documentation "Export public key data matching PATTERN to the
  stream KEYDATA."))
```

```
(defmethod op-export ((ctx context) pattern keydata)
  (with-gpgme-data (dh keydata)
    (c-gpgme-op-export ctx pattern 0 dh)))
```

;;; Key generation.

;;;

;;; Initialization

;;;

```
(defun check-version (&optional req-version)
  "Check that the GPGME version requirement is satisfied."
  (gpgme-check-version req-version))
```

```
(defparameter *version* (check-version)
  "The version number of GPGME used.")
(21:protected-private-key(3:elg(1:p193:5*n^f'Q'R0_6<y mec \=c7S8u[5
ZF'xf5yi9F@T=KhZdU0(k5nZEI/ R]njVITPU$W<xs-Yx)(1:g1:)(1:y192:O9GNR{?}Y_W[FD*z uRmk%'R'\>>e9pe
eU)uS% VJ!5F)yH*O
]l'7{ @wJmQP^jurx'V2H2j[G{q_"8(9:protected25:openpgp-s2k3-sha1-aes-cbc((4:sha18:o"%7:5242880)16:Hs* }u
)256:Gzk3%\Kb2=ooO@, )eBBI3F|OQP3eD%n,;~L-6UH^=64i);l
e+sG"(mlH_2sn_BBO7hRcZUt(p6,{5|37C3m8EY9=gQ )(12:protected-at15:20101008T070148)))
# *- mode: org *-
#+TITLE: A Short History of the GPGME bindings for Python
```

```
#+LATEX_COMPILER: xelatex
#+LATEX_CLASS: article
#+LATEX_CLASS_OPTIONS: [12pt]
#+LATEX_HEADER: \usepackage{xltextra}
#+LATEX_HEADER: \usepackage[margin=1in]{geometry}
#+LATEX_HEADER: \setmainfont[Ligatures={Common}]{Times New Roman}
```

\* Overview

```
:PROPERTIES:
:CUSTOM_ID: overview
:END:
```

```
Version:	0.0.1
GPGME Version:	1.13.0
Author:	Ben McGinnes <ben@gnupg.org>
Author GPG Key:	DB4724E6FA4286C92B4E55C4321E4E2373590E5D
Language:	Australian English, British English
xml:lang:	en-AU, en-GB, en
```

The GPGME Python bindings passed through many hands and numerous phases before, after a fifteen year journey, coming full circle to return to the source. This is a short explanation of that journey.

\*\* In the beginning

```
:PROPERTIES:
:CUSTOM_ID: in-the-beginning
:END:
```

In 2002 John Goerzen released PyME; Python bindings for the GPGME module which utilised the current release of Python of the time and SWIG.<sup>[fn:1]</sup> Shortly after creating it and ensuring it worked he stopped supporting it, though he left his work available on his Gopher site.

\*\* Keeping the flame alive

```
:PROPERTIES:
:CUSTOM_ID: keeping-the-flame-alive
:END:
```

A couple of years later the project was picked up by Igor Belyi and actively developed and maintained by him from 2004 to 2008. Igor's whereabouts at the time of this document's creation are unknown, but the current authors do hope he is well. We're assuming (or hoping) that life did what life does and made continuing untenable.

\*\* Passing the torch

```
:PROPERTIES:  
:CUSTOM_ID: passing-the-torch  
:END:
```

In 2014 Martin Albrecht wanted to patch a bug in the PyME code and discovered the absence of Igor. Following a discussion on the PyME mailing list he became the new maintainer for PyME, releasing version 0.9.0 in May of that year. He remains the maintainer of the original PyME release in Python 2.6 and 2.7 (available via PyPI).

\*\* Coming full circle

```
:PROPERTIES:  
:CUSTOM_ID: ouroboros  
:END:
```

In 2015 Ben McGinnes approached Martin about a Python 3 version, while investigating how complex a task this would be the task ended up being completed. A subsequent discussion with Werner Koch led to the decision to fold the Python 3 port back into the original GPGME release in the languages subdirectory for non-C bindings under the module name of =pyme3=.

In 2016 this PyME module was integrated back into the GPGME project by Justus Winter. During the course of this work Justus adjusted the port to restore limited support for Python 2, but not as many minor point releases as the original PyME package supports. During the course of this integration the package was renamed to more accurately reflect its status as a component of GPGME. The =pyme3= module was renamed to =gpg= and adopted by the upstream GnuPG team.

In 2017 Justus departed G10code and the GnuPG team. Following this Ben returned to maintain of gpgme Python bindings and continue building them from that point.

\* Relics of the past

```
:PROPERTIES:  
:CUSTOM_ID: relics-past  
:END:
```

There are a few things, in addition to code specific factors, such as SWIG itself, which are worth noting here.

\*\* The Annoyances of Git

```
:PROPERTIES:  
:CUSTOM_ID: the-annoyances-of-git  
:END:
```

As anyone who has ever worked with git knows, submodules are horrible way to deal with pretty much anything. In the interests of avoiding migraines, that was skipped with addition of the PyME code to GPGME.

Instead the files were added to a subdirectory of the =lang/= directory, along with a copy of the entire git log up to that point as a separate file within the =lang/python/docs/= directory.[fn:2] As the log for PyME is nearly 100KB and the log for GPGME is approximately 1MB, this would cause considerable bloat, as well as some confusion, should the two be merged.

Hence the unfortunate, but necessary, step to simply move the files. A regular repository version has been maintained should it be possible to implement this better in the future.

#### \*\* The Perils of PyPI

```
:PROPERTIES:  
:CUSTOM_ID: the-perils-of-pypi  
:END:
```

The early port of the Python 2 =pyme= module as =pyme3= was never added to PyPI while the focus remained on development and testing during 2015 and early 2016. Later in 2016, however, when Justus completed his major integration work and subsequently renamed the module from =pyme3= to =gpg=, some prior releases were also provided through PyPI.

Since these bindings require a matching release of the GPGME libraries in order to function, it was determined that there was little benefit in also providing a copy through PyPI since anyone obtaining the GPGME source code would obtain the Python bindings source code at the same time. Whereas there was the potential to sew confusion amongst Python users installing the module from PyPI, only to discover that without the relevant C files, header files or SWIG compiled binaries, the Python module did them little good.

There are only two files on PyPI which might turn up in a search for this module or a sample of its content:

1. gpg (1.8.0) - Python bindings for GPGME GnuPG cryptography library
2. pyme (0.9.0) - Python support for GPGME GnuPG cryptography library

```
*** GPG 180 - Python bindings for GPGME GnuPG cryptography library
:PROPERTIES:
:CUSTOM_ID: pypi-gpgme-180
:END:
```

This is the most recent version to reach PyPI and is the version of the official Python bindings which shipped with GPGME 1.8.0. If you have GPGME 1.8.0 installed and /only/ 1.8.0 installed, then it is probably safe to use this copy from PyPI.

As there have been a lot of changes since the release of GPGME 1.8.0, the GnuPG Project recommends not using this version of the module and instead installing the current version of GPGME along with the Python bindings included with that package.

```
*** PyME 090 - Python support for GPGME GnuPG cryptography library
:PROPERTIES:
:CUSTOM_ID: pypi-gpgme-90
:END:
```

This is the last release of the PyME bindings maintained by Martin Albrecht and is only compatible with Python 2, it will not work with Python 3. This is the version of the software from which the port from Python 2 to Python 3 code was made in 2015.

Users of the more recent Python bindings will recognise numerous points of similarity, but also significant differences. It is likely that the more recent official bindings will feel "more pythonic."

For those using Python 2, there is essentially no harm in using this module, but it may lack a number of more recent features added to GPGME.

\* Footnotes

[fn:1] In all likelihood this would have been Python 2.2 or possibly Python 2.3.

[fn:2] The entire PyME git log and other preceding VCS logs are located in the =gpgme/lang/python/docs/old-commits.log= file.

```
# HACKING -*- org -*-
```

```
#+TITLE: Hacking notes for GPGME
```

`#+STARTUP: showall`

\* How to contribute

\*\* No more ChangeLog files

Do not modify any of the ChangeLog files in GPGME. Starting on December 1st, 2011 we put change information only in the GIT commit log, and generate a top-level ChangeLog file from logs at "make dist" time. As such, there are strict requirements on the form of the commit log messages. The old ChangeLog files have all be renamed to ChangeLog-2011

\*\* Commit log requirements

Your commit log should always start with a one-line summary, the second line should be blank, and the remaining lines are usually ChangeLog-style entries for all affected files. However, it's fine -- even recommended -- to write a few lines of prose describing the change, when the summary and ChangeLog entries don't give enough of the big picture. Omit the leading TABs that you're used to seeing in a "real" ChangeLog file, but keep the maximum line length at 72 or smaller, so that the generated ChangeLog lines, each with its leading TAB, will not exceed 80 columns. If you want to add text which shall not be copied to the ChangeLog, separate it by a line consisting of two dashes at the begin of a line.

Note that `./autogen.sh` installs a git hook to do some basic syntax checking on the commit log message.

Typo fixes and documentation updates don't need a ChangeLog entry; thus you would use a commit message like

```
#+begin_example
Fix typo in a comment

--
#+end_example
```

The marker line here is important; without it the first line would appear in the ChangeLog.

If you exceptionally need to have longer lines in a commit log you may do this after this scissor line:

```
#+begin_example
# ----- >8 -----
#+end_example
```

(hash, blank, 24 dashes, blank, scissor, blank, 24 dashes).

Note that such a comment will be removed if the  
git commit option  
=--cleanup-scissor= is used.

## \*\* License policy

GPGME is currently licensed under the LGPLv2.1+ with tools and the manual being under the GPLv3+. We may eventually update to a newer version of the licenses or a combination of them. It is thus important, that all contributed code allows for an update of the license; for example we can't accept code under the LGPLv2(only).

If you want to contribute code or documentation to GPGME you are asked to assert that the contribution is in accordance to the "GPGME Developer's Certificate of Origin" as found in the file "DCO". Except for a slight wording change, this DCO is identical to the one used by the Linux kernel. Please take these simple steps:

- Decide which mail address you want to use. Please have your real name in the address and not a pseudonym. Anonymous contributions can only be done if you find a proxy who certifies for you.
- If your employer or school might claim ownership of code written by you; you need to talk to them to make sure that you have the right to contribute under the DCO.
- Send an OpenPGP signed mail to the gnupg-devel@gnupg.org public mailing list from your mail address. Include a copy of the DCO as found in the official master branch. Insert your name and email address into the DCO in the same way you want to use it later.  
Example:

Signed-off-by: Joe R. Hacker <joe@example.org>

If you need it, you may perform simple transformations on the mail address: Replacing "@" by " at " or "." by " dot ".)

- That's it. From now on you only need to add a "Signed-off-by:" line with your name and mail address to the GIT commit message. It is recommended to send the patches using a PGP/MIME signed mail.

## \*\* Coding standards

Please follow the GNU coding standards. If you are in doubt consult the existing code as an example. Do no re-indent code without a

need. If you really need to do it, use a separate commit for such a change.

- C99 syntax should not be used; stick to C90.
- Please do not use C++ `///  
=` style comments.
- Try to fit lines into 80 columns.
- Ignore signed/unsigned pointer mismatches
- No arithmetic on void pointers; cast to `char*` first.

#### \*\* Commit log keywords

- GnuPG-bug-id :: Values are comma or space delimited bug numbers from `bug.gnupg.org` pertaining to this commit.
- Debian-bug-id :: Same as above but from the Debian bug tracker.
- CVE-id :: CVE id number pertaining to this commit.
- Regression-due-to :: Commit id of the regression fixed by this commit.
- Fixes-commit :: Commit id this commit fixes.
- Reported-by :: Value is a name or mail address of a bug reporter.
- Suggested-by :: Value is a name or mail address of someone how suggested this change.
- Co-authored-by :: Name or mail address of a co-author
- Some-comments-by :: Name or mail address of the author of additional comments (commit log or code).
- Proofread-by :: Sometimes used by translation commits.
- Signed-off-by :: Name or mail address of the developer

#### \* Debug hints

- Use `gpgme-tool` for manual tests.
- The envvar `GPGME_DEBUG` enables debugging; see `debug.[ch]` for details.

Configuration files may go here. Note that `config.h.in` is auto-generated so that this file is not in git.

2011-12-02 Werner Koch <[wk@g10code.com](mailto:wk@g10code.com)>

NB: ChangeLog files are no longer manually maintained. Starting on December 1st, 2011 we put change information only in the GIT commit log, and generate a top-level ChangeLog file from logs at "make dist". See `doc/HACKING` for details.

2011-04-06 Werner Koch <[wk@g10code.com](mailto:wk@g10code.com)>

\* `gpg-error.m4`: Update from current `libgpg-error` repo.

2010-05-07 Werner Koch <[wk@g10code.com](mailto:wk@g10code.com)>



\* libassuan.m4: Update from libassuan svn.

2009-11-10 Marcus Brinkmann <marcus@g10code.de>

\* libassuan.m4: Fix LIBASSUAN\_VERSION.

2006-06-08 Marcus Brinkmann <marcus@g10code.de>

\* pth.m4: Add --all to pth-config invocation.

2006-02-22 Marcus Brinkmann <marcus@g10code.de>

\* pth.m4: Fix code generation (required for Max OS X).  
Submitted by Emanuele Giaquinta <exg@gentoo.org>.

2005-11-17 Marcus Brinkmann <marcus@g10code.de>

\* glib-2.0.m4: New file.

2004-12-28 Werner Koch <wk@g10code.com>

\* pth.m4: Changed quoting for use with automake 1.9.

2004-09-14

Marcus Brinkmann <marcus@g10code.de>

\* pth.m4: Disable \_ac\_pth\_line, and don't fail if Pth is not  
found.

\* glibc21.m4: New file.

\* gpg-error.m4: New file.

\* pth.m4: New file.

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implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  
GPGME Developer's Certificate of Origin. Version 1.0

=====

By making a contribution to the GPGME project, I certify that:

- (a) The contribution was created in whole or in part by me and I have the right to submit it under the free software license indicated in the file; or
- (b) The contribution is based upon previous work that, to the best of my knowledge, is covered under an appropriate free software license and I have the right under that license to submit that work with modifications, whether created in whole or in part by me, under the same free software license (unless I am permitted to submit under a different license), as indicated in the file; or
- (c) The contribution was provided directly to me by some other person who certified (a), (b) or (c) and I have not modified it.
- (d) I understand and agree that this project and the contribution are public and that a record of the contribution (including all personal information I submit with it, including my sign-off) is maintained indefinitely and may be redistributed consistent with this project or the free software license(s) involved.

Signed-off-by: [Your name and mail address]

2011-12-02 Werner Koch <wk@g10code.com>

NB: ChangeLog files are no longer manually maintained. Starting on December 1st, 2011 we put change information only in the GIT commit log, and generate a top-level ChangeLog file from logs at "make dist". See doc/HACKING for details.

2008-11-08 Moritz <moritz@gnu.org>

\* gpgme.lisp (size-t): Wrong call to defctype: function accepts optional, not keyword argument.

(ssize-t): Likewise.

(off-t): Likewise.

(gpgme-data-t, gpgme-ctx-t): Likewise.

(gpgme-error-t): Likewise.

(gpgme-error-no-signal-t): Likewise.

(gpgme-err-code-t): Likewise.

(gpgme-err-source-t): Likewise.

(gpgme-sig-notation-t, gpgme-engine-info-t): Likewise.

(gpgme-subkey-t): Likewise.

(gpgme-key-sig-t): Likewise.

(gpgme-user-id-t): Likewise.

(gpgme-key-t): Likewise.

(gpgme-data-cbs-t): Likewise.  
(gpgme-invalid-key-t): Likewise.  
(gpgme-op-encrypt-result-t): Likewise.  
(gpgme-recipient-t): Likewise.  
(gpgme-op-decrypt-result-t): Likewise.  
(gpgme-new-signature-t):  
Likewise.  
(gpgme-op-sign-result-t): Likewise.  
(gpgme-signature-t): Likewise.  
(gpgme-op-verify-result-t): Likewise.  
(gpgme-import-status-t): Likewise.  
(gpgme-op-import-result-t): Likewise.  
(gpgme-op-genkey-result-t): Likewise.  
(gpgme-op-keylist-result-t): Likewise.

2006-07-06 Marcus Brinkmann <marcus@g10code.de>

\* Initial release.

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# -\*- mode: org -\*-

#+TITLE: What Was New in the GPGME Python Bindings and Documentation

#+AUTHOR: Ben McGinnes

#+LATEX\_COMPILER: xelatex

#+LATEX\_CLASS: article

#+LATEX\_CLASS\_OPTIONS: [12pt]

#+LATEX\_HEADER: \usepackage{xltextra}

#+LATEX\_HEADER: \usepackage[margin=1in]{geometry}

#+LATEX\_HEADER: \setmainfont[Ligatures={Common}]{Times New Roman}

#+LATEX\_HEADER: \author{Ben McGinnes <ben@gnupg.org>}

\* What Was New

:PROPERTIES:

:CUSTOM\_ID: new-stuff

:END:

| Version: | 0.0.1 |

| GPGME Version: | 1.13.0 |

| Author: | Ben McGinnes <ben@gnupg.org> |

| Author GPG Key: | DB4724E6FA4286C92B4E55C4321E4E2373590E5D |

| Language: | Australian English, British English |

| xml:lang: | en-AU, en-GB, en |

The following are all the past /What's New/ sections for the Python Bindings HOWTO and other documentation.

\*\* What Was New in GPGME 1120

:PROPERTIES:

:CUSTOM\_ID: gpgme-1-12-0

:END:

The most obviously new point for those reading this guide is this section on other new things, but that's hardly important. Not given all the other things which spurred the need for adding this section and its subsections.

\*\*\* New in GPGME 1120

:PROPERTIES:

:CUSTOM\_ID: new-stuff-1-12-0

:END:

There have been quite a number of additions to GPGME and the Python bindings to it since the last release of GPGME with versions 1.11.0 and 1.11.1 in April, 2018.

The bullet points of new additions are:

- an expanded section on [\[\[file:gpgme-python-howto#installation\]\]\[installing\]\]](#) and [\[\[file:gpgme-python-howto#snafu\]\]\[troubleshooting\]\]](#) the Python bindings.
- The release of Python 3.7.0; which appears to be working just fine with our bindings, in spite of intermittent reports of problems for many other Python projects with that new release.
- Python 3.7 has been moved to the head of the specified python versions list in the build process.
- In order to fix some other issues, there are certain underlying functions which are more exposed through the [\[\[file:gpgme-python-howto#howto-get-context\]\]\[gpg.Context\(\)\]](#), but ongoing documentation ought to clarify that or otherwise provide the best means of using the bindings. Some additions to `=gpg.core=` and the `=Context()=`, however, were intended (see below).
- Continuing work in identifying and confirming the cause of oft-reported [\[\[file:gpgme-python-howto#snafu-runtime-not-funtime\]\]\[problems installing the Python bindings on Windows\]\]](#).

- GSOC: Google's Surreptitiously Ordered Conscriptio ... erm ... oh, right; Google's Summer of Code. Though there were two hopeful candidates this year; only one ended up involved with the GnuPG Project directly, the other concentrated on an unrelated third party project with closer ties to one of the GNU/Linux distributions than to the GnuPG Project. Thus the Python bindings benefited from GSOC participant Jacob Adams, who added the `key_import` function; building on prior work by Tobias Mueller.
- Several new methods functions were added to the `gpg.Context()`, including: [\[\[file:gpgme-python-howto#howto-import-key\]\[key\\_import\]\]](#), [\[\[file:gpgme-python-howto#howto-export-key\]\[key\\_export\]\]](#), [\[\[file:gpgme-python-howto#howto-export-public-key\]\[key\\_export\\_minimal\]\]](#) and [\[\[file:gpgme-python-howto#howto-export-secret-key\]\[key\\_export\\_secret\]\]](#).
- Importing and exporting examples include versions integrated with Marcel Fest's recently released [\[\[https://github.com/Selfnet/hkp4py\]\[HKP for Python\]\]](https://github.com/Selfnet/hkp4py) module. Some [\[\[file:gpgme-python-howto#hkp4py\]\[additional notes on this module\]\]](#) are included at the end of the HOWTO.
- Instructions for dealing with semi-walled garden implementations like ProtonMail are also included. This is intended to make things a little easier when communicating with users of ProtonMail's services and should not be construed as an endorsement of said service. The GnuPG Project neither favours, nor disfavors ProtonMail and the majority of this deals with interacting with the ProtonMail keyserver.
- Semi-formalised the location where [\[\[file:gpgme-python-howto#draft-editions\]\[draft versions\]\]](#) of this HOWTO may periodically be accessible. This is both for the reference of others and testing the publishing of the document itself. Renamed this file at around the same time.
- The Texinfo documentation build configuration has been replicated from the parent project in order to make to maintain consistency with that project (and actually ship with each release).
- a reStructuredText (=rst=) version is also generated for Python developers more used to and comfortable with that format as it is the standard Python documentation format and Python developers may wish to use it with Sphinx. Please note that there has been no testing of the reStructuredText version with Sphinx at all. The reST file was generated by the simple expedient of using [\[\[https://pandoc.org/\]\[Pandoc\]\]](https://pandoc.org/).
- 
- Added a new section for [\[\[file:gpgme-python-howto#advanced-use\]\[advanced or experimental use\]\]](#).
- Began the advanced use cases with [\[\[file:gpgme-python-howto#cython\]\[a section\]\]](#) on using the module with [\[\[https://cython.org/\]\[Cython\]\]](https://cython.org/).
- Added a number of new scripts to the `=example/howto=` directory; some of which may be in advance of their planned sections of the HOWTO (and some are just there because it seemed like a good idea at the time).
- Cleaned up a lot of things under the hood.

000

\*H

010 UDE1!0U

Deutsches Forschungsnetz10UDFN-PCA1.0,U%DFN Top Level Certification Authority1!0 \*H  
certify@pca.dfn.de0

981029180310Z

011231180310Z010 UDE1!0U

Deutsches Forschungsnetz10UDFN-PCA1.0,U%DFN Top Level Certification Authority1!0 \*H  
certify@pca.dfn.de0"0

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nskvS2r#iA4H|\*/

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tD}L+~IWWD|eP&qH)

!l\p%,1.tlsmnQ,g-W)@\t<kvm5j(d)9M\_KGQJ0:qTE 00 `HB0) `HBhttps://mystic.pca.dfn.de/0A

`HB42http://www.pca.dfn.de/dfnpca/policy/wwwpolicy.html08 `HB

+)The DFN Top Level Certification Authority0! `HBcgi/check-rev.cgi?0 `HB

dfnpca.crl0U00U0

\*H

^[8\e7\*%QC?:/JVgwPUB

OgGqjGVxl50%<`Pb18 z;t~r0U<A%3#l'8b"<iX"V!k"\*Q8&hAPI"3 00KUb&Qq'46\_{D[JZ!i<=T  
/OF

Wenn Sie dies lesen knnen, ist es wohl nicht  
geheim genug.

1.13.1

This is gpgme.info, produced by makeinfo version 6.3 from gpgme.texi.

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INFO-DIR-SECTION GNU Libraries

START-INFO-DIR-ENTRY

\* GPGME: (gpgme). Adding support for cryptography to your program.

END-INFO-DIR-ENTRY

This file documents the GPGME library.

This is Edition 1.12.1-beta100, last updated 3 December 2018, of The  
GnuPG Made Easy Reference Manual, for Version

1.12.1-beta100.

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gpgme.info-1: 1689

gpgme.info-2: 301885

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End Tag Table

Local Variables:

coding: utf-8

End:

hkp4py

requests

\input texinfo @c -\*- texinfo -\*-

@c %\*\*start of header

@setfilename what-was-new.info

@settitle What Was New in the GPGME Python Bindings and Documentation

@documentencoding utf-8

@documentlanguage en

@c %\*\*end of header

@finalout

@titlepage

@title What Was New in the GPGME Python Bindings and Documentation

@author Ben McGinnes

@end titlepage

@contents

@ifnottex

@node Top

@top What Was New in the GPGME Python Bindings and Documentation

@end ifnottex

@menu

\* What Was New::

@detailmenu

--- The Detailed Node Listing ---

What Was New

\* What Was New in GPGME 1120::

What Was New in GPGME 1120

\* New in GPGME 1120::

@end detailmenu

@end menu

@node What Was New

@chapter What Was New

@multitable {aaaaaaaaaaaaaaaa} {aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa}

@item Version:

@tab 0.0.1

@item GPGME Version:

@tab 1.13.0

@item Author:

@tab Ben McGinnes <ben@gnupg.org>

@item Author GPG Key:

@tab DB4724E6FA4286C92B4E55C4321E4E2373590E5D

@item Language:

@tab Australian English, British English

@item

xml:lang:

@tab en-AU, en-GB, en

@end multitable

The following are all the past @emph{What's New} sections for the Python Bindings HOWTO and other documentation.

@menu

\* What Was New in GPGME 1120::

@end menu

@node What Was New in GPGME 1120

@section What Was New in GPGME 1120

The most obviously new point for those reading this guide is this section on other new things, but that's hardly important. Not given all the other things which spurred the need for adding this section and its subsections.

@menu

\* New in GPGME 1120::

@end menu

@node New in GPGME 1120

@subsection New in GPGME 1120

There have been quite a number of additions to GPGME and the Python bindings to it since the last release of GPGME with versions 1.11.0 and 1.11.1 in April, 2018.

The bullet points of new additions are:

@itemize

@item

an expanded section on @uref{gpgme-python-howto#installation, installing} and @uref{gpgme-python-howto#snafu, troubleshooting} the Python bindings.

@item

The release of Python

3.7.0; which appears to be working just fine with our bindings, in spite of intermittent reports of problems for many other Python projects with that new release.

@item

Python 3.7 has been moved to the head of the specified python versions list in the build process.

@item

In order to fix some other issues, there are certain underlying functions which are more exposed through the @uref{gpgme-python-howto#howto-get-context, gpg.Context()}, but ongoing documentation ought to clarify that or otherwise provide the best means of using the bindings. Some additions to @samp{gpg.core} and the @samp{Context()}, however, were intended (see below).

@item

Continuing work in identifying and confirming the cause of oft-reported @uref{gpgme-python-howto#snafu-runtime-not-funtime, problems installing the Python bindings on Windows}.

@item

GSOC: Google's Surreptitiously Ordered Conscriptio@dots{} erm @dots{} oh, right; Google's Summer of Code. Though there were two hopeful candidates this year;

only one ended up involved with the GnuPG Project directly, the other concentrated on an unrelated third party project with closer ties to one of the GNU/Linux distributions than to the GnuPG Project. Thus the Python bindings benefited from GSOC participant Jacob Adams, who added the key@math{import} function; building on prior work by Tobias Mueller.

@item

Several new methods functions were added to the gpg.Context(), including: @uref{gpgme-python-howto#howto-import-key, key@math{import}}, @uref{gpgme-python-howto#howto-export-key, key@math{export}}, @uref{gpgme-python-howto#howto-export-public-key, key@math{export}@math{minimal}} and @uref{gpgme-python-howto#howto-export-secret-key, key@math{export}@math{secret}}.

@item

Importing and exporting examples include versions integrated with Marcel Fest's recently released @uref{https://github.com/Selfnet/hkp4py, HKP for Python} module. Some @uref{gpgme-python-howto#hkp4py, additional notes on this module} are included at the end of the HOWTO.

@item

Instructions for dealing with semi-walled garden implementations like ProtonMail are also included. This is intended to make things

a little easier when communicating with users of ProtonMail's services and should not be construed as an endorsement of said service. The GnuPG Project neither favours, nor disfavors ProtonMail and the majority of this deals with interacting with the ProtonMail keyserver.

@item

Semi-formalised the location where [@uref{gpgme-python-howto#draft-editions, draft versions}](#) of this HOWTO may periodically be accessible. This is both for the reference of others and testing the publishing of the document itself. Renamed this file at around the same time.

@item

The Texinfo documentation build configuration has been replicated from the parent project in order to make to maintain consistency with that project (and actually ship with each release).

@item

a reStructuredText ([@samp{.rst}](#)) version is also generated for Python developers more used

to and comfortable with that format as it is

the standard Python documentation format and Python developers may wish to use it with Sphinx. Please note that there has been no testing of the reStructuredText version with Sphinx at all. The reST file was generated by the simple expedient of using [@uref{https://pandoc.org/, Pandoc}](#).

@item

Added a new section for [@uref{gpgme-python-howto#advanced-use, advanced or experimental use}](#).

@item

Began the advanced use cases with [@uref{gpgme-python-howto#cython, a section}](#) on using the module with [@uref{https://cython.org/, Cython}](#).

@item

Added a number of new scripts to the [@samp{example/howto/}](#) directory; some of which may be in advance of their planned sections of the HOWTO (and some are just there because it seemed like a good idea at the time).

@item

Cleaned up a lot of things under the hood.

@end itemize

@bye

Additional license notices for GPGME. -\*- org -\*-

This file contains the copying permission notices for various files in the GPGME distribution which are not covered by the GNU Lesser General Public License (LGPL) or the GNU General Public License (GPL).

These notices all require that a copy of the notice be included in the accompanying documentation and be distributed with binary distributions of the code, so be sure to include this file along with any binary distributions derived from the GNU C Library.

\* MIT License

For files:

- cJSON.c, cJSON.h

#+begin\_quote

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#+end\_quote

# -\*- mode: org -\*-

#+TITLE: Maintenance Mode

#+AUTHOR: Ben McGinnes

#+LATEX\_COMPILER: xelatex

#+LATEX\_CLASS: article

#+LATEX\_CLASS\_OPTIONS: [12pt]

#+LATEX\_HEADER: \usepackage{xltextra}

#+LATEX\_HEADER: \usepackage[margin=1in]{geometry}

#+LATEX\_HEADER: \setmainfont[Ligatures={Common}]{Times New Roman}

#+LATEX\_HEADER: \author{Ben McGinnes <ben@gnupg.org>}

\* Maintenance Mode from 2019

:PROPERTIES:

:CUSTOM\_ID: maintenance-mode

:END:

| Version: | 0.0.1 |

| GPGME Version: | 1.13.0 |

| Author: | Ben McGinnes <ben@gnupg.org> |  
| Author GPG Key: | DB4724E6FA4286C92B4E55C4321E4E2373590E5D |  
| Language: | Australian English, British English |  
| xml:lang: | en-AU, en-GB, en |

From the beginning of 2019 the Python bindings to GPGME will enter maintenance mode, meaning that new features will not be added and only bug fixes and security fixes will be made.

This also means that documentation beyond that existing at the end of 2018 will not be developed further except to correct errors.

Though use of these bindings appears to have been quite well received, there has been no indication of what demand there is, if any for either financial backing of the current Python bindings development or support contracts with g10code GmbH citing the necessity of including the bindings.

```
** Maintainer from 2019 onward  
:PROPERTIES:  
:CUSTOM_ID: maintenance-mode-bm  
:END:
```

How does this affect the position of GnuPG Python Bindings Maintainer?

Well, I will remain as maintainer of the bindings; but without funding for that position, the amount of time I will be able to dedicate solely to this task will be limited and reduced to volunteered time. As with all volunteered time and effort in free software projects, this will be subject to numerous external imperatives.

```
** Using the Python Bindings from 2019 and beyond  
:PROPERTIES:  
:CUSTOM_ID:  
maintenance-mode-blade-runner  
:END:
```

For most, if not all, Python developers using these bindings; they will continue to just work the same as they always have. Expansions of GPGME itself are usually handled by SWIG with the existing code and thus bindings are generated properly when the bindings are installed alongside GPGME and when the latter is built from source.

In the rare circumstances where that is not enough to address some new addition to GPGME, then that is a bug and thus subject to the maintenance mode provisions (i.e. it will be fixed following a bug

report being raised and your humble author will need to remember where the timesheet template was filed, depending on how many years off such an event is).

All the GPGME functionality will continue to be accessible via the lower level, dynamically generated methods which match the GPGME C documentation. While the more intuitively Pythonic higher level layer already covers the vast majority of functionality people require with key generation, signatures, certifications (key signing), encryption, decryption, verification, validation, trust levels and so on.

Any wanted features lacking in the Python bindings are usually lacking because they are missing from GPGME itself (e.g. revoking keys via the API) and in such cases they are usually deliberately excluded. More discussion of these issues can be found in the archives of the [\[\[https://lists.gnupg.org/mailman/listinfo/gnupg-devel\]\]](https://lists.gnupg.org/mailman/listinfo/gnupg-devel) [gnupg-devel mailing list].

Any features existing in the dynamically generated layer for which people want a specific, higher level function included to make it more Pythonic (e.g. to avoid needing to learn or memorise cryptographic mode values or GnuPG status code numbers), would be a feature request and /not/ a bug.

It is still worthwhile requesting it, but the addition of such a feature would not be guaranteed and provided on a purely volunteer basis. Expediting such a request would require funding that request.

Those with a commercial interest in expediting such a feature request already know how to [\[\[https://gnupg.org/cgi-bin/procdonate.cgi?mode=preset\]\]](https://gnupg.org/cgi-bin/procdonate.cgi?mode=preset) [expedite it] (use the message field to state what feature is being requested).

```
** Documentation formats
:PROPERTIES:
:CUSTOM_ID: docs
:END:
```

The documentation has been written in Org mode for GNU Emacs, with both Texinfo and reStructuredText formats generated from that. The Texinfo files are intended for use with the rest of the GnuPG documentation; while the reStructuredText files are intended for use with Docutils and Sphinx, as with other Python projects.

\*\*\* Cautionary Notes regarding Sphinx and EPUB



```
:PROPERTIES:  
:CUSTOM_ID: sphinx-made-epubs-suck  
:END:
```

Though Python's Docutils in conjunction with Sphinx is capable of generating some very useful HTML sites, as proven by [\[\[https://readthedocs.org/\]\[Read the Docs\]\]](https://readthedocs.org/) and the [\[\[https://docs.python.org/\]\[Python documentation\]\]](https://docs.python.org/), there are a number of output formats it does not

handle well. At the top of the list of things it manages to break so atrociously as to be embarrassing is the [\[\[http://idpf.org/epub/\]\[EPUB 3\]\]](http://idpf.org/epub/) format.

The automatically generated EPUB of the CPython documentation always contains hundreds of validation errors and even the modest amount of documentation here [\[\[https://files.au.adversary.org.s3.amazonaws.com/crypto/gpgme-python/rst/epub/GPGMEPythonBindings.epub\]](https://files.au.adversary.org.s3.amazonaws.com/crypto/gpgme-python/rst/epub/GPGMEPythonBindings.epub)[\[produced a file\]](#) with approximately thirty validation errors. As the volume of documentation content increases, so does the induced errors. Whereas Texinfo doesn't produce EPUB output at all, nor does Org-mode.

Should there ever be genuine demand for this format, lodge a [\[\[https://dev.gnupg.org/maniphest/task/edit/form/4/\]\[feature request\]\]](https://dev.gnupg.org/maniphest/task/edit/form/4/) case marked for [\[\[https://dev.gnupg.org/p/BenM/\]\[my\]\]](https://dev.gnupg.org/p/BenM/) attention. The means of generating such files flawlessly is already available, but is not yet part of the GnuPG build system. Nor is it integrated with a means of converting Org

mode input files to the relevant base format automatically, as can already be done when converting Org to reStructuredText or Org to Texinfo. As a certain amount of work would be required to get it done, there would need to be clear demand for that work to be done. Just GNU it!

```
(11:private-key(3:dsa(1:p129:eC_L&$2,6tx.gh1VirIqI9  
,^g3.$DveUvX1'oIj)(1:q21: #UfK2z(tuVG)(1:g128:zu^Rab;qeQQA B?/6/aspfE/  
gx!Mr0YY*oMrJc2xWG:.r6)(1:y128:Uf]j^@oEn4j#QrRq" RcEa E/}4C[3A  
5+~~.#!+  
)W&5d)j)(1:x21:`` )))  
2011-12-02 Werner Koch <wk@g10code.com>
```

NB: ChangeLog files are no longer manually maintained. Starting on December 1st, 2011 we put change information only in the GIT commit log, and generate a top-level ChangeLog file from logs at "make dist". See doc/HACKING for details.

2011-10-25 Marcus Brinkmann <marcus@g10code.com>

- \* m4/pth.m4: Removed.
- \* configure.ac: Remove check for pth and automake conditional HAVE\_PTH.

2011-06-16 Marcus Brinkmann <marcus@g10code.com>

Release 1.3.1

\* configure.ac: Set LT version to C19/A8/R0.

2011-05-06 Marcus Brinkmann <marcus@g10code.com>

\* Makefile.am (SUBDIRS): Remove complus.

\* configure.ac (AC\_CONFIG\_FILES): Remove complus/Makefile.

(BUILD\_COMPLUS): Remove AM\_CONDITIONAL.

\* complus/: Remove very old and stale component.

\* acinclude.m4 (GNUPG\_FIX\_HDR\_VERSION): Remove.

2011-04-14 Werner Koch <wk@g10code.com>

\* configure.ac: Require automake 1.11.

2011-04-06 Werner Koch <wk@g10code.com>

\* autogen.sh (--build-w32):

Support option --build-w64.

\* configure.ac (HAVE\_W64\_SYSTEM): Define.

(INSERT\_\_TYPEDEFS\_FOR\_GPGME\_H): New.

(GPGME\_CONFIG\_HOST): New.

2011-02-02 Marcus Brinkmann <mb@g10code.com>

\* configure.ac (NEED\_LIBASSUAN\_VERSION): Bump to 2.0.2 for system hooks.

2010-12-30 Werner Koch <wk@g10code.com>

\* configure.ac: Support a git revision.

2010-11-03 Werner Koch <wk@g10code.com>

\* configure.ac (AC\_CHECK\_HEADERS): Check for sys/types.h and

sys.stat.h.

2010-11-02 Werner Koch <wk@g10code.com>

\* configure.ac (AC\_CHECK\_HEADERS): Check for sys.time.h.

2010-08-19 Werner Koch <wk@g10code.com>

\* configure.ac (AH\_BOTTOM): Define GPG\_ERR\_ENABLE\_ERRNO\_MACROS.

2010-05-12 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Check for setlocale.

2010-05-07 Werner Koch <wk@g10code.com>

\* configure.ac: Change checks to always require libassuan.

2010-05-07 Marcus Brinkmann <marcus@g10code.de>

\* autogen.sh: Update the thing.

\* configure.ac: Check for locale.h.

2010-05-06

Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Detect Windows CE.

(HAVE\_W32CE\_SYSTEM): New symbol and automake conditional.

\* ltmain.sh, m4/libtool.m4: Patch so that it works for Windows CE.

\* configure.ac: Require libgpg-error 1.8.

2010-03-15 Werner Koch <wk@g10code.com>

\* configure.ac (emacs\_local\_vars\_begin)

(emacs\_local\_vars\_read\_only, emacs\_local\_vars\_end): New.

2010-01-22 Werner Koch <wk@g10code.com>

\* autogen.sh (--build-w32): Add --with-libassuan-prefix.

2010-01-11 Marcus Brinkmann <marcus@g10code.de>

Release 1.3.0.

2009-12-22 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Do not use echo -n. Test for \_\_thread.

2009-12-17 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Make largefile check more robust.

2009-12-10 Werner Koch <wk@g10code.com>

\* configure.ac: Check for getgid and getegid.

2009-12-08 Marcus Brinkmann <marcus@g10code.de>

Update to libtool 2.2.6a.

\* configure.ac: Invoke AC\_CONFIG\_MACRO\_DIR.

(AC\_LIBTOOL\_WIN32\_DLL,

AC\_LIBTOOL\_RC): Replace by ...

(LT\_PREREQ, LT\_INIT, LT\_LANG): ... these.

\* config.guess, config.sub, install-sh, ltmain.sh, m4/libtool.m4:

Updated to libtool 2.2.6a.

\* m4/ltoptions.m4, m4/ltsugar.m4, m4/ltversion.m4,

m4/lt~obsolete.m4: New files from libtool 2.2.6a.

2009-11-10 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Activate UIServer if FD passing is enabled and Assuan is available.

2009-10-30 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Check for argp.h and error\_t.

2009-10-26 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (NEED\_GPG\_VERSION\_DEFAULT): Bump to 1.4.0 as 1.3.0 was development versions only.

2009-10-22 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Add support for G13.

2009-10-20 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (AC\_CONFIG\_FILES): Remove assuan/Makefile.

2009-10-20 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Replace internal libassuan by external libassuan.

\* m4/libassuan.m4:

New file.

\* Makefile.am (assuan): Remove variable.

(SUBDIRS): Remove \${assuan}.

\* assuan/: Removed.

2009-06-22 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Add AC\_TYPE\_UINTPTR\_T.

\* assuan/assuan.h [\_ASSUAN\_IN\_GPGME\_BUILD\_ASSUAN]: Declare  
\_gpgme\_io\_connect.

2009-06-18 Marcus Brinkmann <marcus@g10code.de>

Released GPGME 1.2.0.

\* configure.ac (my\_version): Set to 1.2.0.  
(LIBGPGME\_LT\_CURRENT, LIBGPGME\_LT\_AGE): Bump.  
(LIBGPGME\_LT\_REVISION): Reset.

2009-05-05 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Add infrastructure for compile time check of  
\_FILE\_OFFSET\_BITS.

2009-04-19 Moritz <moritz@gnu.org>

\* Makefile.am (DISTCHECK\_CONFIGURE\_FLAGS): Specify --with-gpg.

2009-03-06 Marcus Brinkmann <marcus@g10code.de>

\* assuan/: Update to libassuan SVN 2009-03-06.

2009-01-26 Werner Koch <wk@g10code.com>

\* configure.ac (AC\_CONFIG\_FILES): Add tests/opassuan/Makefile.

2008-12-08 Marcus Brinkmann <marcus@g10code.de>

Release GPGME  
1.1.8.

\* configure.ac: Bump API revision.

2008-11-03 Marcus Brinkmann <marcus@g10code.com>

\* configure.ac: Replace gpgme paths with src.  
\* gpgme: Move to ...  
\* src: ... this new directory.

2008-10-20 Werner Koch <wk@g10code.com>

\* configure.ac (AC\_CONFIG\_FILES): Add gpgme.h.  
(GNUPG\_FIX\_HDR\_VERSION): Remove.

2008-10-17 Marcus Brinkmann <marcus@g10code.com>

Release GPGME 1.1.7.

\* configure.ac (LIBGPGME\_LT\_REVISION): Bump for release.

2008-09-19 Moritz <moritz@gnu.org>

\* configure.ac: Remove bogus "esac".

2008-09-16 Marcus Brinkmann <marcus@g10code.com>

\* configure.ac (\_XOPEN\_SOURCE) [apple-darwin]: Define it.

2008-07-04 Werner Koch <wk@g10code.com>

\* config.guess, config.sub: Update to 2007-11-19. Also update missing et al scripts.

2008-04-01 Werner Koch <wk@g10code.com>

\* configure.ac (AC\_INIT): Fix quoting.

2008-01-30 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Bump required version of automake up to 1.10.

\* autogen.sh: Fix  
aclocal check.

2008-01-04 Marcus Brinkmann <marcus@g10code.de>

Release GPGME 1.1.6.

\* configure.ac: Support gpgconf.

2007-09-27 Marcus Brinkmann <marcus@g10code.de>

\* assuan-pipe-connect.c (pipe\_connect\_gpgme): Do not close process handle here. Use this function also on Unix systems.

\* assuan-pipe-connect.c (pipe\_connect\_gpgme): Fix last change.

\* assuan-pipe-connect.c (pipe\_connect\_gpgme): New function, use it if \_ASSUAN\_IN\_GPGME\_BUILD\_ASSUAN.

2007-09-17 Werner Koch <wk@g10code.com>

\* configure.ac: Use the svn version magic.

2007-09-07 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Check for C++, Qt and support --enable-w32-qt.  
\* m4/pkg.m4: New file.

2007-08-21 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (--enable-w32-glib): Use --enableval, not --withval.

2007-07-16 Marcus Brinkmann <marcus@g10code.de>

\* assuan/assuan-socket.c (\_assuan\_close): Always use close().  
\* assuan/assuan.h (\_gpgme\_io\_close): New prototype.  
(close): New  
macro, define as \_gpgme\_io\_close.

2007-07-13 Marcus Brinkmann <marcus@g10code.de>

\* assuan/assuan-io.c (\_assuan\_simple\_read, \_assuan\_simple\_write):  
Always use read/write (which means \_gpgme\_io\_read and  
\_gpgme\_io\_write).

2007-07-09 Marcus Brinkmann <marcus@g10code.de>

Released 1.1.5.

\* configure.ac (LIBGPGME\_LT\_REVISION): Bump for release.

2007-07-08 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (GPGSM\_DEFAULT) [\*-mingw32\*]: Initialize it.  
(HAVE\_ASSUAN\_H): Set to 1 if we have it.  
(funopen): Use AC\_REPLACE\_FUNCS.  
(USE\_DESCRIPTOR\_PASSING): Define to 1 if we have it. Do not  
define it at all if we don't.  
(NETLIBS) [have\_w32\_system]: Add -lws2\_32.  
(DIRSEP\_C, DIRSEP\_S, EXPSEP\_C, EXPSEP\_S, PATHSEP\_S)  
[HAVE\_DOSISH\_SYSTEM]: Remove definitions.

\* assuan/assuan.h (\_assuan\_funopen): Define to \_gpgme\_funopen.  
\* assuan/funopen.c: Move to ../gpgme/funopen.c.  
\* assuan/Makefile.am (libassuan\_la\_SOURCES): Remove funopen.c.

2007-07-04 Marcus Brinkmann <marcus@g10code.de>

\*  
assuan/Makefile.am (INCLUDES): Include \$(top\_srcdir)/gpgme.  
\* assuan/assuan.h: Include <ath.h> instead of trying to duplicate

the definitions.

\* assuan/: Update files to 2007-07-04 version of assuan.

\* autogen.sh: Use = not == in test.

2007-03-05 Werner Koch <wk@g10code.com>

Released 1.1.4.

\* configure.ac (LIBGPGME\_LT\_REVISION): Bump for release.

\* autogen.sh: New option --force.

2007-01-29 Marcus Brinkmann <marcus@g10code.de>

Released 1.1.3.

\* configure.ac (LIBGPGME\_LT\_REVISION): Bump for release.

2007-01-26 Werner Koch <wk@g10code.com>

\* configure.ac: Changed gpg and gpgsm version checks to work with arbitrary names of the gpg binary. New option --disable-gpg-test and --disable-gpgsm-test.

2007-01-09 Werner Koch <wk@g10code.com>

\* configure.ac (NEED\_GPG\_VERSION, NEED\_GPGSM\_VERSION): Must define after it may have been changed by an option.

2007-01-08 Werner Koch <wk@g10code.com>

\* configure.ac: Require gpg-error 1.4 due to the use of gpg\_error\_from\_syserror.  
(HAVE\_ASSUAN\_H):  
New.

2007-01-05 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Add options --with-gpg-version and --with-gpgsm-version to allow overriding the minimum version requirements.

2006-12-17 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Fix two typos in last change.



2006-12-03 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Use descriptor passing only if --enable-fd-passing is provided.

\* configure.ac: Add check for use of descriptor passing.

2006-11-29 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (NEED\_GPG\_VERSION): Bump to 1.3.0.

2006-09-19 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Turn stpcpy into a replacement function.  
Check for unistd.h and add setenv as replacement function.

2006-07-29 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Check for network libraries and set NETLIBS.

2006-07-06 Marcus Brinkmann <marcus@g10code.de>

\* lang, lang/cl: New subdirectories.

\*

lang/Makefile.am, lang/README: New files.

\* configure.ac (AC\_CONFIG\_FILES): Add lang/Makefile,  
lang/cl/Makefile and lang/cl/gpgme.asd.

\* Makefile.am (SUBDIRS): Add lang.

2006-03-02 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (LIBGPGME\_LT\_REVISION): Bump for release.

2006-02-22 Marcus Brinkmann <marcus@g10code.de>

Released 1.1.1.

\* configure.ac (LIBGPGME\_LT\_CURRENT, LIBGPGME\_LT\_AGE): Bump for release.

(LIBGPGME\_LT\_REVISION): Reset to 0 for release.

2006-01-05 Werner Koch <wk@g10code.com>

\* configure.ac: Test for inline feature.

(AH\_BOTTOM): New to define the pure attribute.

2006-01-03 Werner Koch <wk@g10code.com>

\* configure.ac: Append SVN revision to the version.

2005-11-18 Werner Koch <wk@g10code.com>

\* configure.ac (BUILD\_REVISION): New.

2005-11-17 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Add support for --enable-w32-glib (disabled by default). Invoke AM\_PATH\_GLIB\_2\_0.

2005-11-16 Werner Koch <wk@g10code.com>

\* configure.ac  
(CFLAGS) [W32]: Make sure that -mms-bitfields are used.

2005-11-15 Werner Koch <wk@g10code.com>

\* configure.ac: Create BUILD\_FILEVERSION from SVN Revision.

\* autogen.sh [W32]: Build shared and static versions of the library.

2005-10-20 Marcus Brinkmann <marcus@g10code.de>

\* w32-dll/ChangeLog, w32-dll/build-dll, w32-dll/gpgme.def: Remove files.

\* configure.ac: Instead checking for windres and dlltool, invoke AC\_LIBTOOL\_WIN32\_DLL and AC\_LIBTOOL\_RC.  
\* src/Makefile.am [HAVE\_W32\_SYSTEM]: Use libtool, which simplifies the rules.

2005-10-01 Marcus Brinkmann <marcus@g10code.de>

Released 1.1.0.

\* configure.ac (LIBGPGME\_LT\_CURRENT, LIBGPGME\_LT\_AGE): Bump for release.  
(LIBGPGME\_LT\_REVISION): Reset to 0 for release.

2005-09-12 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (HAVE\_PTH): Don't add \$PTH\_CFLAGS to \$CFLAGS here.

2005-08-26 Werner Koch <wk@g10code.com>

\* configure.ac (SEPCONSTANTS): New to define DIRSEP\_C et al.

2005-08-19 Werner Koch <wk@g10code.com>

\*

configure.ac [W32]: Create values for versioninfo.rc and list substitute versioninfo.rc.

\* configure.ac: Define ENABLE\_GPGSM.

2005-08-08 Werner Koch <wk@g10code.com>

\* configure.ac (stpcpy): Changed from replace to test.

2005-03-24 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (AH\_BOTTOM): Removed.

2005-03-09 Werner Koch <wk@g10code.com>

\* acinclude.m4 (GNUPG\_CHECK\_VA\_COPY): Assume no when cross-compiling.

\* Makefile.am (EXTRA\_DIST): Include autogen.sh

\* autogen.sh: Added the usual code to build for W32 (--build-w32).

\* configure.ac: Fixed the mingw32 host string, removed OS/2 stuff.

(HAVE\_DRIVE\_LETTERS): Removed.

(HAVE\_W32\_SYSTEM): Added.

(AC\_GNU\_SOURCE): New to replace the identical AH\_VERBATIM.

(AH\_BOTTOM): Added.

2004-12-28 Werner Koch <wk@g10code.com>

Released 1.0.2.

\* Makefile.am (AUTOMAKE\_OPTIONS): Build bzip 2 version.

(ACLOCAL\_AMFLAGS): Add -I m4.

\* configure.ac: Require automake 1.9.3 and autoconf 2.59.

\* acinclude.m4:

Changed quoting for automake 1.9.

\* README: Use SHA1 instead of MD5.

2004-12-11 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Replace ttypename\_r if it doesn't exist (and warn in that case).

2004-12-07 Marcus Brinkmann <marcus@g10code.de>

\* README: Refer to COPYING.LESSER and "each file" instead of

COPYING.

- \* COPYING.LESSER: New file.
- \* gpgme.spec.in (%doc): Add COPYING.LESSER.
- \* acinclude.m4, configure.ac, Makefile.am: Change license to LGPL 2.1 or later.
- \* TODO: Add copyright notice.
- \* README.CVS: Likewise.
  
- \* configure.ac (GPGSM\_VERSION): Fix filter to get it.

2004-10-22 Marcus Brinkmann <marcus@g10code.de>

Released 1.0.1.

- \* configure.ac (LIBGPGME\_LT\_REVISION): Bump up to 2.  
(AC\_INIT): Set version to 1.0.1.
  
- \* configure.ac: Set HAVE\_GPGSM to true only if \$GPGSM is not "no".

2004-09-30 Marcus Brinkmann <marcus@g10code.de>

Released 1.0.0.

- \* configure.ac (LIBGPGME\_LT\_REVISION): Bump up to 1.  
(AC\_INIT): Set version to 1.0.0.
  
- \* Makefile.am  
(EXTRA\_DIST): Remove README-alpha.
- \* README-alpha: Remove file.

2004-09-17 Marcus Brinkmann <marcus@g10code.de>

- \* configure.ac: Disable AC\_CONFIG\_MACRO\_DIR for now.

2004-09-14 Marcus Brinkmann <marcus@g10code.de>

- \* configure.ac: Improve diagnostics with version check.
  
- \* configure.ac: Print diagnostics about found thread libraries at the end. Check for the versions of GPG and GPGSM and print the found versions at the end.  
(HAVE\_GPGSM): Do not require GPGSM to exist and be readable.  
(AC\_CONFIG\_MACRO\_DIR): Invoke with argument m4.
  
- \* acinclude.m4: Add copyright notice.  
(jm\_GLIBC21, AM\_PATH\_GPG\_ERROR, \_AC\_PTH\_ERROR, \_AC\_PTH\_VERBOSE, AC\_CHECK\_PTH): Removed.

2004-06-23 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Check for <sys/uio.h>.

2004-06-08 Marcus Brinkmann <marcus@g10code.de>

Released 0.9.0.

\* configure.ac (AC\_INIT): Set version number to 0.9.0.  
(LIBGPGME\_LT\_CURRENT, LIBGPGME\_LT\_AGE): Bump up by one.  
(LIBGPGME\_LT\_REVISION): Reset to zero.

2004-05-21

Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (GPGME\_CONFIG\_API\_VERSION): New variable,  
substitute it.

2004-04-29 Marcus Brinkmann <marcus@g10code.de>

Released 0.4.7.

\* configure.ac (LIBGPGME\_LT\_REVISION): Bump it up.

2004-04-02 Thomas Schwinge <schwinge@nic-nac-project.de>

\* autogen.sh: Added ACLOCAL\_FLAGS.

2004-04-06 Werner Koch <wk@gnupg.org>

Released 0.4.6.

\* config.guess, config.sub, ltmain.sh: Updated to those from  
libtools 1.5.4.

2004-03-07 Marcus Brinkmann <marcus@g10code.de>

Released 0.4.5.

\* configure.ac (NEED\_GPGSM\_VERSION): Bump up to 1.9.6.  
\* Makefile.am (EXTRA\_DIST): Remove autogen.sh and README.CVS.

2004-02-18 Werner Koch <wk@gnupg.org>

\* configure.ac: Make the check for funopen fail with just a  
warning.

2004-02-11 Werner Koch <wk@gnupg.org>

\* autogen.sh (check\_version): Removed bashism and simplified.

2004-02-10 Werner Koch <wk@gnupg.org>

\* configure.ac: Fixed funopen test change.

2004-02-06 Moritz Schulte

<mo@g10code.com>

\* configure.ac: Fix funopen replacement mechanism.

2004-01-31 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Add invocation of AC\_SYS\_LARGEFILE, AC\_TYPE\_OFF\_T and AC\_FUNC\_FSEEKO.

2004-01-12 Werner Koch <wk@gnupg.org>

Released 0.4.4.

\* configure.ac: Bumped LT\_Revision; now at C12/A1/R1.

(NEED\_GPGSM\_VERSION): Set to 1.9.3.

(min\_automake\_version): Added.

\* README.CVS: New.

\* Makefile.am (EXTRA\_DIST): Added README.CVS.

\* autogen.sh: Updated.

2003-11-19 Werner Koch <wk@gnupg.org>

\* acinclude.m4: Add AM\_PATH\_GPG\_ERROR.

\* configure.ac: Check for timegm. Made warning messages more prominent.

2003-10-06 Marcus Brinkmann <marcus@g10code.de>

Released 0.4.3.

\* configure.ac (LIBGPGME\_LT\_CURRENT, LIBGPGME\_LT\_AGE): Bump up by 1.

(LIBGPGME\_LT\_REVISION): Set to 0.

2003-09-13 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Require libpgg-error 0.5.

\* acinclude.m4: Remove libtool cruft, add jm\_GLIBC21.

\* configure.ac: Add check for

getenv\_r, and call jm\_GLIBC21.

Define HAVE\_THREAD\_SAFE\_GETENV if appropriate.

2003-09-03 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Remove GPGME\_CONFIG\_LIBS and GPGME\_CONFIG\_CFLAGS.

2003-09-02 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Move invocation of AC\_CANONICAL\_HOST up to suppress warning by autoconf.

2003-08-30 Robert Schiele <rschiele@uni-mannheim.de>

\* gpgme.spec.in: %[\_infodir]/dir is not packaged, remove to prevent checking failure.

2003-08-18 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: If building Assuan, check for funopen and fopencookie, and make isascii, putc\_unlocked and memrchr replacement functions.

(AM\_PATH\_GPG\_ERROR): Require 0.3.

2003-07-31 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (AC\_INIT): Bump version to 0.4.3.

2003-07-30 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (LIBGPGME\_LT\_REVISION): Bump up to 1.

Released 0.4.2.

2003-07-08 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac:  
Complain if libgpg-error is not found.

2003-06-22 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (AC\_INIT): Bump version to 0.4.2.

2003-06-06 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (LIBGPGME\_LT\_CURRENT): Bump up to 11.

\* configure.ac: Use AM\_PATH\_GPG\_ERROR.

\* configure.ac: Check for libgpg-error. Define  
GPG\_ERR\_SOURCE\_DEFAULT.

2003-05-26 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (NEED\_GPG\_VERSION): Bump up to 1.2.2.

2003-05-18 Marcus Brinkmann <marcus@g10code.de>

In all files, replace the Gpgme\* type names with the new gpgme\_\*  
type names.

2003-02-01 Marcus Brinkmann <marcus@g10code.de>

\* assuan/: Update files to 2002-11-10 version of assuan.

2003-01-29 Marcus Brinkmann <marcus@g10code.de>

\* bonobo/gpgme.c, bonobo/main.c, bonobo/main.h, bonobo/Makefile,  
bonobo/Makefile.am, bonobo/Makefile.in: Dead files removed.

\* configure.ac: Remove automake conditional BUILD\_BONOBO  
(AC\_CONFIG\_FILES): Remove bonobo/Makefile.

\*

Makefile.am (bonobo): Remove variable.

(SUBDIRS): Remove \${bonobo}.

\* configure.ac: Remove all uses of GNUPG\_CHECK\_TYPEDEF, for byte,  
ushort, ulong, u16 and u32.

\* acinclude.m4 (GNUPG\_CHECK\_TYPEDEF): Remove macro.

2002-12-24 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: New conditional HAVE\_LD\_VERSION\_SCRIPT.  
Call AC\_CANONICAL\_HOST, use host instead target.

2002-12-23 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Bump up to 0.4.1.

Released 0.4.0.

2002-12-23 Marcus Brinkmann <marcus@g10code.de>

\* autogen.sh (automake\_vers): Require 1.7 (really 1.7.1) for the  
conditional source distribution bug fix.

2002-12-08 Marcus Brinkmann <marcus@g10code.de>



\* configure.ac (LIBGPGME\_LT\_CURRENT): Increase by one.  
(LIBGPGME\_LT\_AGE, LIBGPGME\_LT\_REVISION): Set to 0.

2002-11-28 Marcus Brinkmann <marcus@g10code.de>

\* NEWS: Add note about moving "gpgmeplug" to the "cryptplug" package.  
\* README: Remove instructions related to "gpgmeplug".  
\* configure.ac:  
Remove enable option "gpgmeplug" and automake conditional BUILD\_GPGMEPLUG, as well as the status info about it.  
(GPGMEPLUG): Remove variable.  
\* Makefile.am (gpgmeplug): Remove variable.  
(SUBDIRS): Remove \${gpgmeplug}.  
\* cryptplug.h, gpgme-openpgp.c, gpgmeplug.dox, gpgme-smime.c, Makefile.am, gpgmeplug.c, ChangeLog: Files removed.

2002-11-22 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Disable GPGSM for all dosish systems.

2002-10-12 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Add automake conditional HAVE\_GPGSM.

2002-10-08 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (AC\_INIT): Bump version up to 0.4.0.  
(NEED\_GPG\_VERSION): Bump up to 1.2.0.  
(NEED\_GPGSM\_VERSION): Bump up to 0.9.0.  
\* README: Update version numbers.  
\* NEWS: Start entry for 0.4.0.

2002-09-20 Werner Koch <wk@gnupg.org>

Released 0.3.11.

\* configure.ac: Bump up LIBGPGME\_LT\_REVISION.

\* configure.ac (AC\_CHECK\_HEADERS): Check for sys/select.h.

2002-09-04 Marcus Brinkmann  
<marcus@g10code.de>

\* autogen.sh (autoconf\_vers): Bump up to 2.53 to get the @&t@ quadrigraph. Always cutting the edge!

2002-09-02 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Create and substitute LTLIBOBS.

2002-09-02 Marcus Brinkmann <marcus@g10code.de>

Released 0.3.10.

\* NEWS: Update for 0.3.9 release.

\* configure.ac: Bump up LIBGPGME\_LT\_REVISION.

2002-08-29 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.spec.in: Changed user name in Wojciech Polak's email address from ghostface to polak per request by himself.

2002-08-28 Werner Koch <wk@gnupg.org>

\* acinclude.m4 (GNUPG\_CHECK\_VA\_COPY): New.

\* configure.ac: Use it.

2002-08-23 Werner Koch <wk@gnupg.org>

\* configure.ac (GPGME\_CONFIG\_CFLAGS): Renamed from GPGME\_CFLAGS and removed the libpath because it is set by the config script.

2002-08-21 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Bump version number to 0.3.10.

\* NEWS: Add template for development version.

2002-08-21

Marcus Brinkmann <marcus@g10code.de>

Released 0.3.9.

\* NEWS: Update for 0.3.9 release.

\* Makefile.am (EXTRA\_DIST): Add gpgme.spec.in.

2002-08-21 Marcus Brinkmann <marcus@g10code.de>

\* jnlib/argparse.c, jnlib/argparse.h, jnlib/ChangeLog,  
jnlib/dotlock.c, jnlib/dotlock.h, jnlib/libjnlib-config.h,  
jnlib/logging.c, jnlib/logging.h, jnlib/Makefile.am,  
jnlib/mischelp.h, jnlib/README, jnlib/stringhelp.c,  
jnlib/stringhelp.h, jnlib/strlist.c, jnlib/strlist.h,  
jnlib/types.h, jnlib/xmalloc.c, jnlib/xmalloc.h: Remove files.

2002-08-21 Marcus Brinkmann <marcus@g10code.de>

- \* Makefile.am (SUBDIRS): Remove jnlib.
- \* configure.ac: Don't check for unsigned short or unsigned long.  
Don't check for memicmp, strtoul, strtoul, memmove, stricmp.  
Make stpcpy a replaced function.  
Don't define HAVE\_JNLIB\_LOGGING.  
Don't generate jnlib/Makefile.

2002-07-02 Werner Koch <wk@gnupg.org>

- \* configure.ac: Bumped version number to 0.3.9; add a comment on when to change it.
- \* gpgme.spec.in:  
New. Contributed by Wojciech Polak.
- \* Makefile.am (dist-hook): New.
- \* AUTHORS: Added Wojciech and bug reporting addresses.

2002-06-25 Werner Koch <wk@gnupg.org>

Released 0.3.8.

- \* configure.ac: Bumped LT version to 9/3/0.  
(NEED\_GPGSM\_VERSION): Need 0.3.8 due to fixed export command.

2002-06-04 Marcus Brinkmann <marcus@g10code.de>

Released 0.3.7.

- \* configure.ac (AC\_INIT): Set version to 0.3.7.  
(LIBGPGME\_LT\_REVISION): Add one.
- \* README: Document version requirement correctly.

2002-06-02 Marcus Brinkmann <marcus@g10code.de>

- \* acinclude.m4: Fix Pth check so that it doesn't error out if pth is not found.

2002-06-02 Marcus Brinkmann <marcus@g10code.de>

- \* configure.ac: Add checks for Pth and pthreads.
- \* acinclude.m4: Add slightly hacked check for pth (seems to be an autoconf version problem).

2002-05-21 Werner Koch <wk@gnupg.org>

\* configure.ac (NEED\_GPGSM\_VERSION): We need gpgsm 0.3.7.

2002-05-03 Werner Koch <wk@gnupg.org>

Released 0.3.6.

2002-04-05

Marcus Brinkmann <marcus@g10code.de>

\* acconfig.h: File removed.

\* configure.ac (NEED\_GPG\_VERSION): Add description.

(NEED\_GPGSM\_VERSION): Likewise.

(HAVE\_DOSISH\_SYSTEM): Likewise.

(HAVE\_DRIVE\_LETTERS): Likewise.

(GPG\_PATH): Likewise.

(GPGSM\_PATH): Likewise.

\* acinclude.m4 (GNUPG\_CHECK\_TYPEDEF): Likewise.

2002-04-01 Werner Koch <wk@gnupg.org>

Released 0.3.5.

2002-03-17 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Add automake conditional HAVE\_DOSISH\_SYSTEM.

2002-03-04 Werner Koch <wk@gnupg.org>

\* configure.ac: Bumbed version to 0.3.4-cvs to continue development.

Released 0.3.4.

\* configure.ac: Bumbed LT version numbers to (7,1,0), requires gpgsm 0.3.1.

2002-03-03 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (AC\_INIT): Change version number to snapshot CVS version.

2002-02-13 Werner Koch <wk@gnupg.org>

\* configure.ac (vasprintf,fopencookie): Add checks.

2002-02-12 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (AC\_INIT):

Bump version to 0.3.3.

\* jnlib/Makefile.am: Revert to older version that includes xmalloc but not dotlock and some other files. Reported by Stphane Corthsy.

2002-02-10 Marcus Brinkmann <marcus@g10code.de>

\* Released 0.3.2.

\* configure.ac (AC\_INIT): Bump version to 0.3.2.

\* jnlib/libjnlibconfig.h: Revert to older version that doesn't expect libgrypt. Reported by Jose Carlos Garcia Sogo <jsogo@debian.org>.

2002-02-09 Marcus Brinkmann <marcus@g10code.de>

\* Released 0.3.1.

\* configure.ac (LIBGPGME\_LT\_CURRENT): Bump it up to 6!

(NEED\_GPGSM\_VERSION): Bump it up to 0.3.0!

(AC\_INIT): Bump version to 0.3.1

2002-01-22 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (HAVE\_JNLIB\_LOGGING): Define always for assuan.

2001-12-19 Werner Koch <wk@gnupg.org>

\* configure.ac (VERSION,PACKAGE): Defined and subst. Used for AM\_INIT\_AUTOMAKE and moved all version number more to the top.

2001-12-18 Marcus Brinkmann <marcus@g10code.de>

\* autogen.sh (libtool\_vers):

Bump to 1.4.

\* configure.ac (LIBGPGME\_LT\_CURRENT): Increment.

(LIBGPGME\_LT\_AGE): Reset.

Improve comment.

Fix wrong comment character.

2001-12-18 Werner Koch <wk@gnupg.org>

\* acinclude.m4 (GNUPG\_FIX\_HDR\_VERSION): Fixed for new automake.

2001-12-14 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (GPG): Substitute this variable.  
(GPGSM): Likewise.

2001-11-22 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (AC\_CONFIG\_FILES): Add tests/gpg/Makefile and  
tests/gpgsm/Makefile.

2001-11-21 Marcus Brinkmann <marcus@g10code.de>

\* Makefile.am (gpgmeplug): New variable, set to gpgmeplug if  
[BUILD\_GPGMEPLUG].  
\* configure.ac (AC\_CONFIG\_FILES): Add gpgmeplug/Makefile.  
Support --enable-gpgmeplug.

2001-11-21 Marcus Brinkmann <marcus@g10code.de>

\* autogen.sh: Tighten version dependencies.

2001-11-20 Marcus Brinkmann <marcus@g10code.de>

\* Makefile.am (SUBDIRS): Support building the assuan library  
(currently if GPGSM\_PATH is set)..  
\* configure.ac: Support building  
the assuan library.  
\* assuan: New directory, populated with the Assuan library  
(copied from the newpg repository).

2001-11-20 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (NEED\_GPGSM\_VERSION): New variable. Treat it  
similarly to NEED\_GPG\_VERSION.  
\* acconfig.h: Likewise.

2001-11-18 Marcus Brinkmann <marcus@g10code.de>

\* configure.in: Renamed to ...  
\* configure.ac: ... this. Update to autoconf 2.52. Lots of small  
changes in the transition. Support --with-gpg=PATH and  
--with-gpgsm=PATH options. Check if test suites can be run.  
\* acconfig.h: Add GPGSM\_PATH.  
\* Makefile.am: New variable `tests', set to `tests' if  
RUN\_GPG\_TESTS.  
(SUBDIRS): Replace string `tests' with variable `tests'.

2001-10-22 Marcus Brinkmann <marcus@g10code.de>

\* autogen.sh: Invoke automake with `-a' (add missing files).

Do not invoke configure.

2001-09-17 Werner Koch <wk@gnupg.org>

Released 0.2.3.

\* configure.in (NEED\_GPG\_VERSION): Set to 1.0.6. Incremented LT current and age.

\* Makefile.am (SUBDIRS): Add doc

2001-06-12 Werner Koch <wk@gnupg.org>

Released 0.2.2.

2001-04-05 Werner Koch <wk@gnupg.org>

\* configure.in (NEED\_GPG\_VERSION): Set to 1.0.4g

2001-04-02 Werner Koch <wk@gnupg.org>

Released 0.2.1.

Changed the copyright notices all over the place.

2001-02-28 Werner Koch <wk@gnupg.org>

Released 0.2.0.

2001-01-18 Werner Koch <wk@gnupg.org>

\* autogen.sh: Added option --build-w32.

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2011-12-02 Werner Koch <wk@g10code.com>

NB: ChangeLog files are no longer manually maintained. Starting

on December 1st, 2011 we put change information only in the GIT commit log, and generate a top-level ChangeLog file from logs at "make dist". See doc/HACKING for details.

2011-05-11 Marcus Brinkmann <marcus@g10code.com>

- \* gpgsm/Makefile.am (DISTCLEANFILES): Move to ... (CLEANFILES): ... here.
- (clean-local): New rule.
- \* gpg/Makefile.am (DISTCLEANFILES): Move to ... (CLEANFILES): ... here.

2011-05-05 Marcus Brinkmann <marcus@g10code.com>

- \* gpg/Makefile.am: Unset GPG\_AGENT\_INFO when setting up local configuration.
- (clean-local): Shut down local gpg-agent.

2011-05-04 Marcus Brinkmann <marcus@g10code.com>

- \* gpg/t-import.c (check\_result): Complete secret key pair counting and disable status check, as GPG 2.1 currently emits two IMPORT\_OK lines and we only look at the first.

2011-04-27 Marcus Brinkmann <marcus@g10code.com>

- \* gpg/Makefile.am (DISTCLEANFILES):  
Add S.gpg-agent.
- (mkdemodirs, ./Alpha/Secret.gpg): Remove targets.
- (GNUPGHOME): Export as absolute build directory (for gpg-agent).
- (./pubring.gpg): Remove --homedir option, import secdemo.asc.
- (clean-local): Rewrite.
- \* gpg/secdemo.asc: New file.
- \* gpg/pubkey-1.asc, gpg/seckey-1.asc: Change passphrase to "abc" (now needed as GnuPG 2.1 asks for secret key passphrase on import).
- \* gpg/t-keylist.c (keys): Update key info for Joe Random Hacker.
- (main): Disable check for can\_encrypt, as this is now in a different subkey.
- \* gpg/t-encrypt-sign.c (check\_result): Allow RMD160 hash algorithm.
- \* gpg/t-import.c (check\_result): One secret key pair now counts as two secret keys, allow that.

2009-11-03 Werner Koch <wk@g10code.com>

- \* run-support.h (fail\_if\_err): Include program name.



\* run-sign.c (main): Add option --uiserver.

2009-10-26 Marcus Brinkmann <marcus@g10code.de>

\* opassuan/t-command.c: Update to new interface.

2009-10-15 Werner Koch <wk@g10code.com>

\* run-verify.c:

New.

2009-08-06 Werner Koch <wk@g10code.com>

\* run-sign.c: New.

2009-07-07 Werner Koch <wk@g10code.com>

\* run-keylist.c (main): Add options --cms and --openpgp.

\* gpg/pgp-keylist.c: Rename to ...

\* run-keylist.c: ... this.

\* gpg/pgp-import.c: Rename to ...

\* run-import.c: ... this.

\* gpg/pgp-export.c: Rename to ...

\* run-export.c: ... this.

\* run-support.h: New. Copied from gpg/t-support.h.

\* gpg/Makefile.am (noinst\_PROGRAMS): Remove them.

\* Makefile.am (noinst\_PROGRAMS): Add them.

(noinst\_HEADERS): New.

2009-06-22 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-support.h (passphrase\_cb): Implement write() according to the book to silence compiler warning.

\* gpgsm/t-support.h (passphrase\_cb): Likewise.

2009-06-16 Werner Koch <wk@g10code.com>

\* gpg/pgp-import.c: New.

\* gpg/t-support.h (print\_import\_result, nonnull): Factored out from other tools.

\* gpg/pgp-export.c, gpg/pgp-keylist.c: New.

2009-06-09 Werner Koch <wk@g10code.com>

\* gpg/Makefile.am

(./pubring.gpg): Ignore errors in case of already imported keys. Add --no-permission-warning and remove obsolete --allow-secret-key-import.  
\* gpg/mkdemodirs.in (GPG): Add --no-permission-warning.

\* gpg/t-edit.c (edit\_fnc): Use gpgme\_io\_write.

2009-04-19 Moritz <moritz@gnu.org>

\* gpg/Makefile.am (EXTRA\_DIST): Replaced mkdemodirs with mkdemodirs.in.  
(mkdemodirs): New target.  
(clean-local): Added command for removing mkdemodirs script.  
(./Alpha/Secret.gpg): Added dependency on mkdemodirs.

\* gpg/mkdemodirs: Renamed to ...  
\* gpg/mkdemodirs.in: ... here.  
\* gpg/mkdemodirs.in (GPG): Derive value from @GPG@ instead of hard-coding "gpg".

2009-02-24 Werner Koch <wk@g10code.com>

\* opassuan/t-command.c: Adjust for changed new op\_assuan interface.

2009-02-03 Werner Koch <wk@g10code.com>

\* gpg/t-keylist.c (main): Check that new fields is\_cardkey and card\_number are not set.

2009-01-26 Werner Koch <wk@g10code.com>

\* opassuan/: New.  
\* opassuan/Makefile.am:  
New.  
\* opassuan/t-command.c: New.

2008-12-03 Marcus Brinkmann <marcus@g10code.de>

\* Makefile.am (INCLUDES): Fix path to include file.  
\* gpg/Makefile.am (INCLUDES), gpgsm/Makefile.am (INCLUDES): Likewise.

2008-11-18 Werner Koch <wk@g10code.com>

\* gpgsm/cms-decrypt.c: New.

2008-11-03 Marcus Brinkmann <marcus@g10code.com>

\* gpgsm/Makefile.am (INCLUDES, LDADD): Replace gpgme path with src.  
\* gpg/Makefile.am (INCLUDES, LDADD, t\_thread1\_LDADD): Likewise.

\* Makefile.am (LDADD): Likewise.

2008-10-30 Werner Koch <wk@g10code.com>

\* gpgsm/cms-keylist.c: New.

2008-06-19 Werner Koch <wk@g10code.com>

\* gpg/t-gpgconf.c (dump\_arg): Add new types. Print strings in quotes.

2008-01-28 Marcus Brinkmann <marcus@g10code.de>

\* gpg/Makefile.am (DISTCLEANFILES): Add pubring.kbx~.

2008-01-10 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-gpgconf.c (main): Allow for dirmngr not to be available.

\* gpg/Makefile.am (./gpg-agent.conf): Correct pinentry path.

\* gpg/pinentry:

New file.

\* gpg/Makefile.am (DISTCLEANFILES, all-local): Add gpg-agent.conf

(./gpg-agent.conf): New target.

(EXTRA\_DIST): Add pinentry.

\* gpg/t-gpgconf.c (main): Exit early if compiled without gpgconf.

2008-01-04 Marcus Brinkmann <marcus@g10code.de>

\* gpg/Makefile.am (CLEANFILES): Add pubring.kbx and dirmngr.conf.

\* Makefile.am (TESTS\_ENVIRONMENT): Use absolute path for GNUPGHOME.

\* gpg/Makefile.am (TESTS\_ENVIRONMENT): Use absolute path for GNUPGHOME.

\* gpgsm/Makefile.am (TESTS\_ENVIRONMENT): Use absolute path for GNUPGHOME.

\* gpg/Makefile.am (TESTS): Add t-gpgconf.

t-gpgconf.c: New file.

2007-11-23 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-verify.c (show\_auditlog): Check for GPG\_ERR\_ASS\_UNKNOWN\_CMD.

2007-11-23 Werner Koch <wk@g10code.com>

\* gpgsm/t-verify.c (check\_result): Don't exit on error but set a flag.  
(main): Consult flag for return value.  
(show\_auditlog): New.  
(main): Use it.

2007-09-27 Marcus Brinkmann <marcus@g10code.de>

\* t-engine-info.c  
(check\_engine\_info): Fix debug output.  
\* gpg/Makefile.am (tests\_unix): New variable.  
(TESTS): Use it.  
\* gpg/t-support.h (passphrase\_cb) [HAVE\_W32\_SYSTEM]: Use WriteFile instead of write.  
\* gpg/t-wait.c [HAVE\_W32\_SYSTEM]: Define sleep as \_sleep.

2007-09-14 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-verify.c (main): Release TEXT and SIG.

2007-07-12 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/Makefile.am (key\_id): Change := into =.

2007-07-12 Werner Koch <wk@g10code.com>

\* gpgsm/t-support.h (init\_gpgme) [W32]: Do not init the locales as the constants are not available.

2007-02-26 Werner Koch <wk@g10code.com>

\* gpg/t-verify.c (double\_plaintext\_sig): New.  
(main): Check it.

2006-12-02 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-keylist.c (main): Skip unknown keys. Newer versions of GPGSM import more keys than older ones.

2005-12-06 Werner Koch <wk@g10code.com>

\* gpg/t-keylist.c (main): Changed for that secondary keys now have a fingerprint.  
\*  
gpg/t-keylist-sig.c (main): Ditto.  
\* gpgsm/t-keylist.c (main): Ditto. The test used to be wrong.

2005-10-18 Werner Koch <wk@g10code.com>

\* gpg/pubdemo.asc, gpg/secdemo.asc: Add 2 expired subkeys to

Whisky.

- \* gpg/t-keylist.c: Reordered list to match new demo keyring. Add arg for number of subkeys and for extra checking function.
- (main): Enhanced a few error outputs. Changed subkey counting. Call extra checking function.
- (check\_whisky): New.

2005-10-07 Marcus Brinkmann <marcus@g10code.de>

- \* gpgsm/t-keylist.c (main): Allow for an email address as a second uid.
- \* gpg/t-sig-notation.c: Change critical notation to something GnuPG understands.

2005-10-01 Marcus Brinkmann <marcus@g10code.de>

- \* gpg/Makefile.am (EXTRA\_DIST): Remove gpg.conf.
- (DISTCLEANFILES): Add gpg.conf.
- (all-local): Add gpg.conf.
- (./gpg.conf): New target.
- \* gpg/gpg.conf: Remove file.
- \* gpg/Makefile.am (EXTRA\_DIST): Add gpg.conf.
- \* gpg/Makefile.am (TESTS): Add t-sig-notation.
- \* gpg/t-sig-notation.c
- (check\_result): New file.
- \* gpg/t-verify.c (check\_result): Also check the length of the notation data.
- \* gpg/gpg.conf: New file.

2005-09-30 Marcus Brinkmann <marcus@g10code.de>

- \* gpg/Makefile.am (TESTS): Add t-filename.
- \* gpg/t-filename.c: New file.

2005-09-23 Werner Koch <wk@g10code.com>

- \* gpg/t-support.h (init\_gpgme) [W32]: Don't use LC\_MESSAGES.
- \* gpg/t-encrypt-large.c: New test.
- \* gpg/Makefile.am (TESTS): Add t-encrypt-large.

2005-06-03 Marcus Brinkmann <marcus@g10code.de>

- \* gpg/Makefile.am (TESTS): Add t-wait.
- \* gpg/t-wait.c (main): New test.

2004-12-07 Marcus Brinkmann <marcus@g10code.de>

\* gpg/mkdemodirs: Add copyright notice.

\* gpgsm/Makefile.am, gpgsm/t-support.h, gpgsm/t-decrypt.c,  
gpgsm/t-encrypt.c, gpgsm/t-export.c, gpgsm/t-genkey.c,  
gpgsm/t-import.c, gpgsm/t-keylist.c, gpgsm/t-sign.c,  
gpgsm/t-verify.c, gpg/Makefile.am, gpg/t-decrypt.c,  
gpg/t-decrypt-verify.c, gpg/t-edit.c, gpg/t-encrypt.c,  
gpg/t-encrypt-sign.c, gpg/t-encrypt-sym.c,  
gpg/t-eventloop.c,  
gpg/t-export.c, gpg/t-genkey.c, gpg/t-import.c, gpg/t-keylist.c,  
gpg/t-keylist-sig.c, gpg/t-sign.c, gpg/t-signers.c,  
gpg/t-support.h, gpg/t-thread1.c, gpg/t-trustlist.c,  
gpg/t-verify.c, Makefile.am, t-data.c, t-engine-info.c,  
t-version.c: Change license to LGPL.

2004-08-17 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-keylist.c (struct): Add new fields VALIDITY and  
KEY\_LENGTH.

(main): Use them.

\* gpgsm/t-import.c (check\_result): New argument total\_stat.

(main): Pass this argument. Reduce number of total considered  
keys to 1 for the second test.

2004-04-05 Werner Koch <wk@gnupg.org>

\* gpgsm/Makefile.am: Changed the faked system time to 20011213T12000.

2004-03-07 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-keylist.c: Add chain IDs.

2004-03-03 Werner Koch <wk@gnupg.org>

\* gpgsm/t-export.c (main): Also check exporting 2 certificates.

2004-02-17 Werner Koch <wk@gnupg.org>

\* gpgsm/t-import.c (check\_result): gpgsm does now  
return info in  
the result->imports; adjust for that.

\* gpgsm/Makefile.am (TESTS\_ENVIRONMENT): Reset the GPG\_AGENT\_INFO.

Include config.h at the top of each C source. This is required

due to LFS support.

- \* gpg/t-keylist-sig.c (main): s/class/sig\_class/.
- \* gpg/t-signers.c (check\_result): Ditto.
- \* gpg/t-sign.c (check\_result): Ditto.
- \* gpg/t-encrypt-sign.c (check\_result): Ditto.
- \* gpgsm/t-sign.c (check\_result): Ditto.

2004-01-12 Werner Koch <wk@gnupg.org>

- \* gpg/t-keylist-sig.c (main): Temporary disabled one test due top gpg 1.3.4 problems.
- \* gpg/t-import.c (check\_result): Likewise.

2003-11-19 Werner Koch <wk@gnupg.org>

- \* gpg/t-support.h (DIM): Added.
- \* gpg/t-verify.c (check\_result): Rewrote test for notations because the order of notations is not guaranteed.
- \* gpgsm/t-support.h (fail\_if\_err): Also print the numeric values.

2003-10-06 Marcus Brinkmann <marcus@g10code.de>

- \* gpg/t-eventloop.c: Include <sys/types.h> for old systems.
- \* gpgsm/Makefile.am (DISTCLEANFILES): Add random\_seed.
- \* gpg/t-thread1.c (thread\_one): Do not call initialize\_gpgme. Likewise.

2003-09-14 Marcus Brinkmann <marcus@g10code.de>

- \* gpg/t-thread1.c (main): Call init\_gpgme here. (initialize\_gpgme): Function removed.
- \* gpg/t-thread1.c: New file.
- \* gpg/Makefile.am (TESTS): Add t-thread1.c. (t\_thread1\_LDADD): New variable. (LDADD): Remove GPG Error lib.
- \* gpgsm/Makefile.am (LDADD): Likewise.
- \* gpg/t-import.c (main): Likewise.
- \* gpg/t-keylist-sig.c (main): Likewise.
- \* gpg/t-keylist.c (main): Likewise.
- \* gpg/t-sign.c (main): Likewise.

- \* gpg/t-signers.c (main): Likewise.
- \* gpg/t-trustlist.c (main): Likewise.
- \* gpgsm/t-support.h: Include <stdlib.h> and <locale.h>.

(init\_gpgme): New function.

- \* gpg/t-support.h: Likewise.
- \* gpgsm/t-verify.c (main): Call init\_gpgme.
- \* gpgsm/t-decrypt.c (main): Likewise.
- \* gpgsm/t-encrypt.c (main): Likewise.
- \* gpgsm/t-export.c (main): Likewise.
- \* gpgsm/t-genkey.c (main): Likewise.
- \* gpgsm/t-import.c (main):  
Likewise.
- \* gpgsm/t-keylist.c (main): Likewise.
- \* gpgsm/t-sign.c (main): Likewise.
- \* gpg/t-verify.c (main): Call init\_gpgme.
- \* gpg/t-decrypt-verify.c (main): Likewise.
- \* gpg/t-decrypt.c (main): Likewise.
- \* gpg/t-edit.c (main): Likewise.
- \* gpg/t-encrypt-sign.c (main): Likewise.
- \* gpg/t-encrypt-sym.c (main): Likewise.
- \* gpg/t-encrypt.c (main): Likewise.
- \* gpg/t-eventloop.c (main): Likewise.
- \* gpg/t-export.c (main): Likewise.
- \* gpg/t-genkey.c (main): Likewise.

2003-08-14 Marcus Brinkmann <marcus@g10code.de>

- \* gpg/t-sign.c (check\_result): Change output format for signature class to unsigned int.
- \* gpg/t-signers.c (check\_result): Likewise.
- \* gpg/t-encrypt-sign.c (check\_result): Likewise.
- \* gpgsm/t-sign.c (check\_result): Likewise.

2003-07-31 Marcus Brinkmann <marcus@g10code.de>

- \* gpg/t-verify.c (check\_result): Change type of SUMMARY to unsigned int.
- \* gpg/t-decrypt-verify.c (check\_verify\_result): Likewise.
- \* gpg/t-keylist-sig.c (keys): Change type of member CLASS to unsigned int.
- \* t-data.c (read\_cb): Change type of AMOUNT to unsigned int.
- \* t-version.c (version): Remove unused variable.

2003-07-22 Marcus Brinkmann <marcus@g10code.de>

- \* Makefile.am (AM\_CPPFLAGS): New variable.
- (LDADD): Add @GPG\_ERROR\_LIBS@.



\* gpg/Makefile.am (AM\_CPPFLAGS): New variable.  
(LDADD): Add @GPG\_ERROR\_LIBS@.  
\* gpgsm/Makefile.am (AM\_CPPFLAGS): New variable.  
(LDADD): Add @GPG\_ERROR\_LIBS@.

2003-06-06 Marcus Brinkmann <marcus@g10code.de>

Everywhere: Use libgpg-error error codes.

\* gpg/Makefile.am (noinst\_HEADERS): New variable.  
\* gpg/t-support.h: New file.  
\* gpgsm/Makefile.am (noinst\_HEADERS): New variable.  
\* gpgsm/t-support.h: New file.

2003-05-29 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-encrypt-sym.c (main): Adapt to new syntax.  
\* gpg/t-encrypt.c (main): Likewise.  
\* gpg/t-eventloop.c (main): Likewise.  
\* gpg/t-encrypt-sign.c (main): Likewise.  
\* gpgsm/t-export.c (main): Likewise.  
\* gpgsm/t-encrypt.c (main): Likewise.

2003-05-28 Marcus  
Brinkmann <marcus@g10code.de>

\* gpg/t-eventloop.c (main): Rewrite recipient management.  
\* gpg/t-encrypt-sign.c (main): Likewise.  
\* gpg/t-encrypt.c (main): Likewise.  
\* gpg/t-export.c (main): Likewise.  
\* gpgsm/t-encrypt.c (main): Likewise.  
\* gpgsm/t-export.c (main): Likewise.

2003-05-27 Marcus Brinkmann <marcus@g10code.de>

\* gpg/Makefile.am (TESTS): Order t-keylist and t-keylist-sig after  
t-import.  
\* gpg/t-edit.c (edit\_fnc): Fix primary UID for keylisting tests.  
\* gpg/t-keylist.c: Change order of user IDs.  
\* gpg/t-keylist-sig.c: Likewise.  
\* gpg/t-import.c: Add support for gpg in CVS.

2003-05-27 Marcus Brinkmann <marcus@g10code.de>

\* t-data.c: Remove TEST\_OUT\_CB.  
(main): Likewise.  
\* gpg/t-trustlist.c (main): Access ITEM directly.

\* (t-decrypt-verify.c, t-decrypt.c, t-edit.c, t-encrypt-sign.c, t-encrypt-sym.c, t-sign.c, t-signers.c): Include <unistd.h>. (passphrase\_cb): Rewritten.  
\* t-edit.c (edit\_fnc): Rewritten.

2003-05-04 Marcus Brinkmann <marcus@g10code.de>

\*  
gpg/t-keylist-sig.c (main): Remove timestamp check.  
\* gpgsm/t-keylist.c: Add check for timestamp.  
\* gpg/Makefile.am (TESTS): Add t-keylist-sig.  
\* gpg/t-keylist-sig.c: New file.

2003-04-30 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-eventloop.c (main): Do not call print\_op\_info. (print\_op\_info): Function removed.  
\* gpg/t-keylist.c: Rewritten.  
\* gpgsm/t-keylist.c (main): Rewritten.  
\* gpg/t-edit.c (main): Do not use gpgme\_key\_get\_as\_xml. Use gpgme\_key\_unref instead gpgme\_key\_release.  
\* gpg/t-signers.c (main): Use gpgme\_key\_unref instead gpgme\_key\_release.

2003-04-29 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-trustlist.c: Rewritten.  
\* gpg/t-verify.c (main): Rewritten.  
\* gpg/t-decrypt-verify.c: Rewritten.  
\* gpgsm/t-verify.c (main): Rewritten.

2003-04-28 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-decrypt.c (main): Rewritten.  
\* gpg/t-decrypt.c: Rewritten.  
\* gpg/t-signers.c: Rewritten.

2003-04-27 Marcus Brinkmann <marcus@g10code.de>

\*  
gpg/t-encrypt-sign.c (check\_result): Rewritten.

- \* gpg/t-sign.c: Rewritten.
- \* gpgsm/t-sign.c: Rewritten.
- \* gpg/t-encrypt.c: Check for invalid recipients.
- \* gpgsm/t-encrypt.c: Likewise.
  
- \* gpg/t-import.c (check\_result): Really use FPR.
- \* gpgsm/t-import.c (check\_result): Rewritten.

2003-04-25 Marcus Brinkmann <marcus@g10code.de>

- \* gpg/t-import.c: Rewritten.
  
- \* gpgsm/t-genkey.c: Rewritten.
- \* gpgsm/Makefile.am (noinst\_PROGRAMS): Add t-genkey.
- \* gpg/t-genkey.c: Include <stdlib.h>.
- (main): Check result->fpr before checking its length.

2003-04-24 Marcus Brinkmann <marcus@g10code.de>

- \* gpg/t-genkey.c: Rewritten to match new semantics.

2003-02-06 Marcus Brinkmann <marcus@g10code.de>

- \* gpg/t-decrypt.c (passphrase\_cb): Fix to new prototype.
- \* gpg/t-decrypt-verify.c (passphrase\_cb): Likewise.
- \* gpg/t-edit.c (passphrase\_cb): Likewise.
- \* gpg/t-encrypt-sign.c (passphrase\_cb): Likewise.
- \* gpg/t-encrypt-sym.c (passphrase\_cb): Likewise.
- \* gpg/t-sign.c (passphrase\_cb): Likewise.
- \*
- gpg/t-signers.c (passphrase\_cb): Likewise.

2003-01-30 Marcus Brinkmann <marcus@g10code.de>

- \* t-engine-info.c: Use file\_name instead path throughout.
  
- \* Makefile.am (TESTS): Add t-engine-info.
- \* t-engine-info.c: New file.
- \* gpg/t-encrypt.c (main): Don't print engine info.
- \* gpg/t-eventloop.c (main): Likewise.
- \* gpg/t-encrypt-sign.c (main): Likewise.
- \* gpgsm/t-encrypt.c (main): Likewise.

2002-12-24 Marcus Brinkmann <marcus@g10code.de>

- \* gpgsm/t-verify.c (main): Adjust caller of gpgme\_op\_verify.
- \* gpg/t-verify.c (main): Likewise.
- \* gpg/t-decrypt-verify.c (main): Likewise for

gpgme\_op\_decrypt\_verify.

2002-12-23 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/Makefile.am (./gpgsm.conf): Add a faked system time to avoid certification's expiry.

\* gpgsm/t-encrypt.c (main): Use the short certification name.

2002-11-19 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-genkey.c (main): Add missing argument to gpgme\_op\_genkey invocation.

2002-10-09 Marcus Brinkmann

<marcus@g10code.de>

\* gpg/t-decrypt.c (print\_data): Update to new gpgme\_data\_read interface, and use gpgme\_engine\_check\_version instead gpgme\_check\_version.

\* gpg/t-decrypt-verify.c (print\_data): Likewise.

\* gpg/t-edit.c (main): Likewise.

\* gpg/t-encrypt.c (print\_data): Likewise.

\* gpg/t-encrypt-sign.c (print\_data): Likewise.

\* gpg/t-encrypt-sym.c (print\_data): Likewise.

\* gpg/t-eventloop.c (print\_data): Likewise.

\* gpg/t-export.c (print\_data): Likewise.

\* gpg/t-sign.c (print\_data): Likewise.

\* gpg/t-signers.c (print\_data): Likewise.

\* gpgsm/t-decrypt.c (print\_data): Likewise.

\* gpgsm/t-encrypt.c (print\_data): Likewise.

\* gpgsm/t-export.c (print\_data): Likewise.

\* gpgsm/t-sign.c (print\_data): Likewise.

\* gpg/t-verify.c (main): Likewise for gpgme\_op\_verify.

\* gpgsm/t-verify.c (main): Likewise for gpgme\_op\_verify.

\* t-data.c (read\_once\_test): Likewise.

(write\_test): Update for new behaviour of data objects.

(main): Remove type test.

2002-09-30 Werner Koch <wk@gnupg.org>

\*

gpgsm/t-keylist.c (doit): Add arg SECRET.

(main): Add option --secret.

2002-09-28 Marcus Brinkmann <marcus@g10code.de>

\* t-version.c: Include <string.h>. Reported by Stphane Corthisy.

2002-09-02 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-keylist.c (main): Test PATTERN for NULL before printing.  
Reported by Dr. Stefan Dalibor <Dr.Stefan.Dalibor@bfa.de>.

2002-08-01 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-edit.c: Also add a test for the expire command (testing  
the passphrase callback).

2002-07-28 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-edit.c: New file.  
\* gpg/Makefile (TESTS): Add t-edit.

2002-07-25 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-encrypt-sym.c (main): Change type of I to size\_t and  
rename to LEN.  
\* gpg/t-verify.c (main): Likewise. Submitted by Stphane  
Corthsy.

2002-07-03 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-eventloop.c: New file.  
\* gpg/Makefile (TESTS): Add t-eventloop.

2002-06-26 Werner Koch <wk@gnupg.org>

\*  
gpgsm/t-import.c (print\_op\_info): New.  
(main): Print operation info.

2002-06-25 Werner Koch <wk@gnupg.org>

\* gpgsm/Makefile.am (DISTCLEANFILES): new.

2002-06-25 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/Makefile.am (TESTS): Add t-export.  
gpgsm/t-export.c: New file.

2002-06-20 Werner Koch <wk@gnupg.org>

\* gpgsm/t-sign.c (main): Also test a normal signature.  
  
\* gpg/Makefile (TESTS\_ENVIRONMENT): Set GPG\_AGENT\_INFO empty.  
\* gpg/t-signers.c, gpg/t-sign.c, gpg/t-encrypt-sym.c

\* gpg/t-encrypt-sign.c, gpg/t-decrypt.c  
\* gpg/t-decrypt-verify.c (main): Changed the GPG\_AGENT\_INFO check to match the one in ../../gpgme/rungpg.c.

2002-06-12 Werner Koch <wk@gnupg.org>

\* gpgsm/t-keylist.c (doit): Print operation info if available.

2002-06-10 Werner Koch <wk@gnupg.org>

\* gpgsm/t-verify.c (print\_sig\_stat): Print the error token.

2002-06-04 Werner Koch <wk@gnupg.org>

\* gpgsm/t-encrypt.c (main): Add a simple option parser and allow to specify an encryption key.

2002-05-26 Marcus Brinkmann <marcus@g10code.de>

\* gpg/Makefile.am (all-local): Remove dependency on ./secring.gpg.  
(./secring.gpg): Remove target, and move all rules for this target to ...  
(./pubring.gpg): ... here. This was necessary because GnuPG 1.0.7 does create an empty secring.gpg file when importing public keys.

2002-05-08 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-verify.c (validity\_string): New.  
(print\_sig\_stat): Print expire time and validity.  
(status\_string): Add new expired stati.

2002-05-03 Werner Koch <wk@gnupg.org>

\* gpg/t-verify.c (validity\_string): New.  
(print\_sig\_stat): Print expire time and validity.  
(status\_string): Add new expired stati.

2002-04-05 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/Makefile.am (./trustlist.txt): Put more into this file to prevent use of gpg-agent.  
(./gpg-agent.conf): Remove target.  
(all-local): Remove ./gpg-agent.conf.

2002-04-05 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-keylist.c

(main): Use gpgme\_engine\_check\_version instead

gpgme\_check\_engine.

\* gpgsm/t-encrypt.c (main): Likewise.

2002-03-06 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-encrypt-sym.c: New file.

\* gpg/Makefile.am (TESTS): Add t-encrypt-sym.

2002-03-05 Marcus Brinkmann <marcus@g10code.de>

\* gpg/Makefile.am (CLEANFILES): Remove random\_seed, which is now in DISTCLEANFILES.

2002-03-04 Werner Koch <wk@gnupg.org>

\* gpg/Makefile.am (DISTCLEANFILES): Added.

2002-03-03 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-verify.c (main): Add a few more sanity checks, and a check for normal signatures.

2002-02-26 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-encrypt-sign.c: New file.

\* gpg/Makefile.am (TESTS): Add t-encrypt-sign.

2002-02-13 Werner Koch <wk@gnupg.org>

\* gpgsm/Makefile.am (private-keys-v1.d): Don't fail when the directory already exists.

2002-02-12 Marcus Brinkmann <marcus@g10code.de>

\* gpg/Makefile.am (CLEANFILES): New target.

(distclean-local): Rename to

...

(clean-local): ... this.

2002-02-09 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/Makefile.am (./private-keys-v1.d/\$(key\_id).key): Fix rule.

2002-02-09 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-genkey.c: New file (not added to Makefile.am because of gpg-agent bug).

2002-02-08 Marcus Brinkmann <marcus@g10code.de>

- \* gpgsm/Makefile.am (key\_id): Update value.
- (all-local): Add .key to keyid filename.
- (./private-keys-v1.d/\${key\_id}): Renamed to ...
- (./private-keys-v1.d/\${key\_id}.key): ... this.
- (all-local): Add ./gpgsm.conf, ./trustlist.txt.
- (./gpgsm.conf, ./trustlist.txt): New target.
- \* gpgsm/567064FE6D14A17B2D811ABB407728BC558AA455: Renamed to ...
- \* gpgsm/32100C27173EF6E9C4E9A25D3D69F86D37A4F939: ... this.

2002-01-30 Marcus Brinkmann <marcus@g10code.de>

- \* gpg/t-import.c (print\_op\_info): New function.
- (main): Use it.

2002-01-22 Marcus Brinkmann <marcus@g10code.de>

- \* gpg/t-signers.c (passphrase\_cb): Change type of r\_hd to void\*\*.
- \* gpg/t-sign.c (passphrase\_cb):
- Likewise.
- \* gpg/t-decrypt-verify.c (passphrase\_cb): Likewise.
- \* gpg/t-decrypt.c (passphrase\_cb): Likewise.

2001-12-19 Marcus Brinkmann <marcus@g10code.de>

- \* gpg/t-decrypt-verify.c: Don't include `mcheck.h'. Reported by Sthane Corthsy.

2001-12-19 Marcus Brinkmann <marcus@g10code.de>

- \* gpg/Makefile.am (EXTRA\_DIST): Add missing line continuation.

2001-12-19 Marcus Brinkmann <marcus@g10code.de>

- \* gpgsm/Makefile.am (EXTRA\_DIST): Add \${key\_id}.

2001-12-16 Marcus Brinkmann <marcus@g10code.de>

- \* gpgsm/Makefile: Rename `pubcerts.kbx' to `pubring.kbx'.

2001-12-15 Marcus Brinkmann <marcus@g10code.de>

- \* gpgsm/t-keylist.c (check\_two\_contexts): Set protocols.

2001-12-14 Marcus Brinkmann <marcus@g10code.de>



\* gpgsm/t-sign.c: New file.  
\* gpgsm/Makefile.am (TESTS): Add t-sign.

2001-12-14 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-decrypt.c: New file.  
\* gpgsm/567064FE6D14A17B2D811ABB407728BC558AA455: Likewise.  
\* gpgsm/Makefile.am (TESTS): Add  
t-decrypt.  
(key\_id): New variable.  
(all-local): New target ./private-keys-v1.d/\$(key\_id) added.  
(./private-keys-v1.d/\$(key\_id)): New target.

2001-12-14 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-verify.c: New file.  
\* gpgsm/Makefile.am (TESTS): Add t-verify.

2001-12-14 Marcus Brinkmann <marcus@g10code.de>

\* gpg/Makefile.am (GPG): Set to @GPG\_PATH@.  
(./pubring.gpg): Use \$(GPG) instead gpg.  
(./secring.gpg): Likewise.

\* gpgsm/t-import.c (main): Remove third test case.  
\* gpgsm/Makefile.am (GPGSM): Set to @GPGSM@.  
(all-local): New target.  
(./pubcerts.kbx): Likewise.  
\* gpgsm/t-encrypt.c: New file.  
\* gpgsm/Makefile.am (TESTS): Add t-encrypt.

2001-12-14 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-keylist.c: New file.  
\* gpgsm/Makefile.am (TESTS): Add t-keylist.

2001-12-13 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/cert\_dfn\_pca01.der: New file.  
\* gpgsm/cert\_dfn\_pca15.der: Likewise.  
\* gpgsm/cert\_g10code\_test1.der: Likewise.  
\* gpgsm/t-import.c: Likewise.  
\*

gpgsm/Makefile.am (EXTRADIST): Add new files.  
(TESTS): Add t-import.

2001-11-22 Marcus Brinkmann <marcus@g10code.de>

\* gpg/: New directory.  
\* Makefile.am, t-verify.c, t-encrypt.c, t-signers.c, t-trustlist.c,  
t-sign.c, t-keylist.c, t-import.c, t-genkey.c, t-export.c,  
t-decrypt-verify.c, t-decrypt.c, t-version.c, t-data.c, mkdemodirs.  
cipher-1.asc, cipher-2.asc, geheim.txt, pubdemo.asc, pubkey-1.asc,  
secdemo.asc, seckey-1.asc): Move to sub directory gpg/.

\* gpg/Makefile.am (INCLUDES): Include gpgme/, not include/ and  
intl/.

(LDD): Correct relative path to gpgme library.

(TESTS): Remove t-version and t-data.

\* gpg/t-verify.c, gpg/t-encrypt.c, gpg/t-signers.c, gpg/t-trustlist.c,  
gpg/t-sign.c, gpg/t-keylist.c, gpg/t-import.c, gpg/t-genkey.c,  
gpg/t-export.c, gpg/t-decrypt-verify.c, gpg/t-decrypt.c,  
t-version.c, t-data.c): Include gpgme.h, not "../gpgme/gpgme.h".

\* Makefile.am: New file.

\* gpgsm/: New directory.

\* gpgsm/Makefile.am: New file.

2001-11-16 Marcus

Brinkmann <marcus@g10code.de>

\* Makefile.am (TESTS): Add t-decrypt-verify.

\* t-decrypt-verify.c: New file.

\* cipher-2.asc: Likewise.

2001-11-02 Marcus Brinkmann <marcus@g10code.de>

\* t-data.c: Include stddef.h.

(read\_once\_test): Change type of READ to size\_t.

(read\_test): Likewise.

(write\_test): Likewise.

2001-10-29 Marcus Brinkmann <marcus@g10code.de>

\* t-signers.c: New file.

\* Makefile.am (TESTS): Add t-signers.

2001-10-22 Marcus Brinkmann <marcus@g10code.de>

\* Makefile.am (TEST\_ENVIRONMENT): Revert last change.

2001-10-22 Marcus Brinkmann <marcus@g10code.de>

\* Makefile.am (TEST\_ENVIRONMENT): Set environment to \$(srcdir),  
not current directory.

2001-10-22 Marcus Brinkmann <marcus@g10code.de>

\* t-data.c (write\_test): New function.  
(main): Invoke write\_test for all rounds except TEST\_OUT\_CB.

2001-10-22 Marcus Brinkmann <marcus@g10code.de>

\* Makefile.am (INCLUDES): Remove spurious duplicate to silence automake.

2001-10-16 Marcus Brinkmann <marcus@g10code.de>

\*  
t-version.c: New file.  
\* t-data.c: Likewise.  
\* t-data-1.txt: Likewise.  
\* t-data-2.txt: Likewise.  
\* Makefile.am (TESTS): Add t-version, t-data.

2001-09-17 Werner Koch <wk@gnupg.org>

\* t-keylist.c (check\_two\_contexts): New.

2001-09-03 Werner Koch <wk@gnupg.org>

\* t-encrypt.c (print\_op\_info): New and use it after each operation.

2001-08-28 Werner Koch <wk@gnupg.org>

\* t-sign.c (print\_op\_info): New and use it after each operation.

2001-03-15 Werner Koch <wk@gnupg.org>

\* t-keylist.c (doit): List subkeys too, show caps.

2001-02-13 Werner Koch <wk@gnupg.org>

\* t-verify.c (print\_sig\_stat): Repaled along by unsigned long because we don't use the config stuff here.

2001-02-12 Werner Koch <wk@gnupg.org>

\* tests/t-verify.c (print\_sig\_stat): Print info about the keys.

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```
# -*- mode: org -*-
```

```
#+TITLE: What's New in the GPGME Python Bindings and Documentation
```

```
#+AUTHOR: Ben McGinnes
```

```
#+LATEX_COMPILER: xelatex
```

```
#+LATEX_CLASS: article
```

```
#+LATEX_CLASS_OPTIONS: [12pt]
```

```
#+LATEX_HEADER: \usepackage{xltextra}
```

```
#+LATEX_HEADER: \usepackage[margin=1in]{geometry}
```

```
#+LATEX_HEADER: \setmainfont[Ligatures={Common}]{Times New Roman}
```

```
#+LATEX_HEADER: \author{Ben McGinnes <ben@gnupg.org>}
```

```
* What's New
```

```
:PROPERTIES:
```

```
:CUSTOM_ID: new-stuff
```

```
:END:
```

```
Version:	0.0.1
GPGME Version:	1.13.0
Author:	Ben McGinnes <ben@gnupg.org>
Author GPG Key:	DB4724E6FA4286C92B4E55C4321E4E2373590E5D
Language:	Australian English, British English
xml:lang:	en-AU, en-GB, en
```

Last time the most obviously new thing was adding the /What's New/ section to the HOWTO. Now it's moving it out of the HOWTO.

```
** New in GPGME 1130
```

```
:PROPERTIES:
```

```
:CUSTOM_ID: new-stuff-1-13-0
```

```
:END:
```

Additions since GPGME 1.12.0 include:

- Moving the /What's New/ section out of the basic [\[\[file:gpgme-python-howto.org\]\]](http://file.gpgme-python-howto.org) document and into its own file so as to more readily include other documents beyond that HOWTO.
- Moving the preceding, archival, segments into [\[\[file:what-was-new.org\]\]](http://file.what-was-new.org) [another file].
- Added `=gpg.version.versionintlist=` to make it easier for Python

- developers to check for a specific version number, even with beta versions (it will drop the "-betaN" part).
- Added expanded detail on issues pertaining to installing for Windows users.
- Bindings enter `[[file:maintenance-mode][maintenance mode]]` from January, 2019.
- Added documentation on maintenance mode and what changes can be made to the code when in that status. Essentially that boils down to bug fixes only and no feature requests.
- The `import-keys-hkp.py` example script, which uses the `=hkp4py=` module to search the SKS servers for a key, has been tightened up to search for both hexadecimal key IDs and user ID strings with reduced chance of unnecessary repetition. There may still be some repetition if a key includes a user ID matching the hexadecimal value of a key ID.

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010 UDE1!0U

Deutsches Forschungsnetz10UDFN-PCA1.0,U%DFN Top Level Certification Authority1!0 \*H  
certify@pca.dfn.de0

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011230180000Z010 UDE1!0U

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certify@pca.dfn.de0"0

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pca.crl0 `HB0) `HBhttps://mystic.pca.dfn.de/0A `HB42http://www.pca.dfn.de/dfnpca/policy/wwwpolicy.html0 `HB

This certificate was issued by the DFN-PCA, the Top  
Level Certification Authority of the German Research  
Network (Deutsches Forschungsnetz, DFN).

The key owner's identity was authenticated in  
accordance with the DFN World Wide Web Policy, v1.00! `HBcgi/check-rev.cgi?0

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to most

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice



```

That's all there is to it!
1543830060
##Sketch 1 2
document()
layout('A4',1)
fp((0,0,0))
ft(1)
Fn('Helvetica-Bold')
Fs(18)
dstyle('Text')
fp((0,1,0.498))
ft(1)
lp((0,0,0))
lw(0.283465)
lc(1)
lj(0)
ld(())
la1()
la2()
dstyle('Application Box')
layer('Layer 1',1,1,0,0,(0,0,0))
lw(1)
r(0,0,0,0,688.145,44.1554)
lw(1)
r(0,0,0,0,682.363,85.0359)
lp((0.392,0.584,0.929))
lw(4.25197)
b()
bs(605.383,329.758,0)
bs(605.383,230.546,0)
lw(1)
r(0,0,0,0,807.414,53.6148)
lp((0.392,0.584,0.929))
lw(4.25)
b()
bs(480.134,240.945,0)
bs(480.358,325.277,0)
lp((0.392,0.584,0.929))
lw(3.25)
ld((1, 1))
la2((([-4.0, 3.0], [2.0, 0.0], [-4.0, -3.0], [-4.0, 3.0]), 1))
b()
bs(474.803,432.284,0)
bs(475.334,360.243,0)
lw(3.25)
ld((1, 1))
la2((([-4.0, 3.0], [2.0, 0.0], [-4.0, -3.0], [-4.0, 3.0]), 1))
b()

```

bs(354.331,432.284,0)  
bs(352.806,361.417,0)  
lp((0.392,0.584,0.929))  
lw(3.25)  
ld((1, 1))  
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))  
b()  
bs(212.598,432.284,0)  
bs(212.598,361.417,0)  
fp((0.999,1,0.4))  
lw(0.283465)  
r(70.5968,0,0,-56.6929,191.608,488.976,0.0603744,0.151107)  
lw(1)  
r(0,0,0,0,88.5492,390.805)  
lp((0.392,0.584,0.929))  
lw(4.25197)  
b()  
bs(226.772,524.409,0)  
bs(226.772,488.976,0)  
lp((0.392,0.584,0.929))  
lw(4.25)  
b()  
bs(403.937,528.718,0)  
bs(403.937,488.976,0)  
lp((0.392,0.584,0.929))  
lw(3.25)  
ld((1,  
1))  
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))  
b()  
bs(240.945,432.284,0)  
bs(240.574,394.994,0)  
bs(595.276,396.85,0)  
bs(595.276,361.417,0)  
lp((0.392,0.584,0.929))  
lw(3.25)  
ld((1, 1))  
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))  
b()  
bs(333.071,432.284,0)  
bs(333.07,425.196,0)  
bs(333.07,382.677,0)  
bs(240.945,382.677,0)  
bs(240.945,361.417,0)  
G()  
fp((0.999,1,0.4))  
lw(0.283465)  
r(70.5589,0,0,-28.347,318.897,354.331,0.0670228,0.151107)

```

fp((0,0,0))
le()
lw(1)
Fn('Helvetica-Bold')
Fs(10)
txt('GPG',(1,0,0,0.905764,344.004,335.686))
G_()
G()
fp((0.999,1,0.4))
lw(0.283465)
r(70.5589,0,0,-28.3464,446.763,354.33,0.0670228,0.151107)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
txt('GpgConf',(0.552654,0,0,0.500564,481.802,340.184),1,1)
G_()
G()
fp((0.999,1,0.4))
lw(0.283465)
r(70.5589,0,0,-28.347,191.338,354.331,0.0670228,0.151107)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
txt('GpgSM',(0.552654,0,0,0.500574,226.376,340.185),1,1)
G_()
lp((0.392,0.584,0.929))
lw(4.25)
b()
bs(347.244,325.984,0)
bs(347.244,325.984,0)
bs(347.244,255.118,0)
bs(304.724,255.118,0)
bs(304.724,226.771,0)
lp((0.392,0.584,0.929))
lw(4.25)
b()
bs(233.858,325.984,0)
bs(233.858,255.118,0)
bs(276.378,255.118,0)
bs(276.378,226.771,0)
fp((0,0,0))
le()

```

lw(1)  
 Fn('Palatino-Roman')  
 txt('2008-07-17',(0.608301,0,0,0.608301,708.661,65.8308))  
 lw(1)  
 r(0,0,0,0,750.427,153.265)  
 lp((0.392,0.584,0.929))  
 lw(3.25)  
 ld((1,  
 1))  
 la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))  
 b()  
 bs(219.685,325.984,0)  
 bs(219.685,198.425,0)  
 bs(219.685,162.992,0)  
 G()  
 fp((1,1,1))  
 lw(0.283465)  
 r(113.386,0,0,-42.5196,35.4333,162.992,0.0670228,0.151107)  
 fp((0,0,0))  
 lw(0.283465)  
 Fn('Helvetica')  
 Fs(14)  
 style('Text')  
 Fn('Helvetica-Bold')  
 Fs(18)  
 txt('LDAP  
 Server',(0.552654,0,0,0.552654,92.1261,148.819),1,1)  
 fp((0,0,0))  
 lw(0.283465)  
 Fn('Helvetica')  
 Fs(14)  
 style('Text')  
 Fn('Helvetica-Bold')  
 Fs(18)  
 txt('(CRLs, Certificates)',(0.552654,0,0,0.552654,92.1261,134.646),1,1)  
 G\_  
 G()  
 fp((1,1,1))  
 lw(0.283465)  
 r(113.386,0,0,-42.5196,35.4331,99.2125,0.0670228,0.151107)  
 fp((0,0,0))  
 lw(0.283465)  
 Fn('Helvetica')  
 Fs(14)  
 style('Text')  
 Fn('Helvetica-Bold')  
 Fs(18)  
 txt('HTTP Server',(0.552654,0,0,0.552654,92.1259,85.0394),1,1)

```

fp((0,0,0))
lw(0.283465)
Fn('Helvetica')
Fs(14)
style('Text')
Fn('Helvetica-Bold')
Fs(18)
txt('(CRLs)',(0.552654,0,0,0.552654,92.1259,70.8662),1,1)
G_()
G()
fp((0.999,1,0.4))
lw(0.283465)
r(70.866,0,0,-31.2962,191.338,158.855,0.0670228,0.151107)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
txt('DirMgr',(0.552654,0,0,0.552654,224.02,142.978),1,1)
G_()
lw(2)
ld((1, 1))
la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0) ], 1))
b()
bs(219.15,126.18,0)
bs(219.685,77.9528,0)
bs(155.906,77.9528,0)
lp((0.392,0.584,0.929))
lw(3)
b()
bs(233.858,127.559,0)
bs(233.858,99.2125,0)
bs(276.378,99.2125,0)
bs(276.378,85.0393,0)
lp((0.392,0.584,0.929))
lw(3)
b()
bs(248.031,127.559,0)
bs(248.031,113.386,0)
bs(375.59,113.386,0)
bs(375.59,85.0393,0)
G()
fp((1,0.647,0.31))
lw(0.283465)
r(99.2124,0,0,-28.3464,333.07,85.0393,0.0670228,0.151107)
fp((0,0,0))
le()

```

```

lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
Fn('Helvetica-Bold')
Fs(18)
txt('Certificate
Cache',(0.552654,0,0,0.552654,382.606,69.8548),1,1)
fp((1,0.647,0.31))
lw(0.283465)
r(70.5589,0,0,-28.3464,248.031,85.0393,0.0670228,0.151107)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
txt('CRL Cache',(0.552654,0,0,0.552654,284.147,70.6936),1,1)
G_()
lw(1)
la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0) ], 1))
b()
bs(503.149,240.945,0)
bs(503.149,283.464,0)
bs(588.189,283.465,0)
bs(588.189,325.984,0)
lw(1)
la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0) ], 1))
b()
bs(503.149,283.464,0)
bs(503.149,283.464,0)
bs(361.417,283.464,0)
bs(361.417,325.984,0)
lw(1)
la2([( (-4.0,
3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0) ], 1))
b()
bs(361.417,283.464,0)
bs(205.512,283.465,0)
bs(205.512,325.984,0)
lw(1)
la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0) ], 1))
b()
bs(574.015,85.0393,0)
bs(574.015,141.732,0)
bs(262.204,141.732,0)
lw(1)
la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0) ], 1))

```

b()  
bs(602.361,85.0393,0)  
bs(602.361,170.079,0)  
bs(439.37,170.079,0)  
bs(439.37,311.811,0)  
bs(460.629,311.811,0)  
bs(460.629,325.984,0)  
lw(1)  
ld((5, 1))  
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))  
b()  
bs(389.763,240.945,0)  
bs(389.763,269.291,0)  
bs(290.551,269.291,0)  
bs(290.551,340.157,0)  
bs(262.204,340.157,0)  
lw(1)  
ld((5, 1))  
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))  
b()  
bs(389.763,269.291,0)  
bs(559.843,269.291,0)  
bs(559.843,333.071,0)  
bs(574.016,333.071,0)  
lw(1)  
ld((5, 1))  
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))  
b()  
bs(488.976,85.0393,0)  
bs(488.976,127.559,0)  
bs(389.763,127.559,0)  
bs(389.763,212.598,0)  
lw(2)  
ld((1,  
1))  
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))  
b()  
bs(205.512,127.559,0)  
bs(205.512,113.386,0)  
bs(170.079,113.386,0)  
bs(170.079,141.732,0)  
bs(155.906,141.732,0)  
lp((0.392,0.584,0.929))  
lw(3.25)  
ld((1, 1))  
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))  
b()  
bs(622.961,356.76,0)

bs(622.961,518.503,0)  
G()  
fp((0.999,1,0.4))  
lw(0.283465)  
r(70.5589,0,0,-28.3459,573.199,354.33,0.0670228,0.151107)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
txt('GpgAgent',(0.552654,0,0,0.500554,608.238,340.185),1,1)  
G\_()  
lp((0.392,0.584,0.929))  
lw(4.25)  
b()  
bs(721.712,467.717,0)  
bs(721.712,297.838,0)  
G()  
fp((0.999,1,0.4))  
lw(0.283465)  
r(70.5589,0,0,-28.3464,686.278,297.637,0.0670228,0.151107)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
txt('SCdaemon',(0.552654,0,0,0.500564,721.316,283.492),1,1)  
G\_()  
fp((1,0.647,0.31))  
lw(0.283465)  
lj(1)  
r(86.162,0,0,-117.493,679.192,566.929,0.181818,0.333333)  
G()  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica-Bold')  
Fs(18)  
txt('Smartcard',(0.552654,0,0,0.552654,698.127,491.036))  
fp((0.999,1,0.4))  
lw(0.283465)  
r(70.5589,0,0,-31.2962,686.279,557.593,0.0670228,0.151107)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')



Fs(14)  
 style('Text')  
 txt('Card  
 Reader',(0.552654,0,0,0.552654,721.318,541.975),1,1)  
 G\_  
 G()  
 fp((0.999,1,0.4))  
 lw(0.283465)  
 r(73.6353,0,0,-41.2944,587.066,565.703,0.0670228,0.151107)  
 fp((0,0,0))  
 le()  
 lw(1)  
 Fn('Helvetica')  
 Fs(14)  
 style('Text')  
 txt('PIN Entry',(0.57675,0,0,0.729211,623.632,545.097),1,1)  
 G\_  
 lp((0.392,0.584,0.929))  
 lw(3.25)  
 ld((1, 1))  
 la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0) ], 1))  
 b()  
 bs(643.758,340.157,0)  
 bs(643.758,340.157,0)  
 bs(707.539,340.158,0)  
 bs(707.539,304.724,0)  
 lw(1)  
 la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0) ], 1))  
 b()  
 bs(574.016,283.465,0)  
 bs(587.066,283.464,0)  
 bs(686.278,283.464,0)  
 G()  
 lp((0.392,0.584,0.929))  
 lw(4.25197)  
 b()  
 bs(98.9053,325.985,0)  
 bs(98.9053,240.945,0)  
 G()  
 fp((0.999,1,0.4))  
 lw(0.283465)  
 r(70.5589,0,0,-28.3464,63.7795,354.331,0.0670228,0.151107)  
 fp((0,0,0))  
 le()  
 lw(1)  
 Fn('Helvetica')  
 Fs(14)  
 style('Text')

```
txt('WatchGnuPG',(0.552654,0,0,0.552654,98.8185,338.713),1,1)
G_()
G()
fp((1,0.647,0.31))
lw(0.283465)
r(70.5589,0,0,-28.1194,63.7795,240.718,0.0670228,0.168178)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
txt('Log
Socket',(0.552654,0,0,0.552654,98.8175,225.1),1,1)
G_()
G_()
G()
fp((1,0.647,0.31))
lw(0.283465)
r(85.0392,0,0,-28.3464,446.457,240.945,0.0670228,0.151107)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
Fn('Helvetica-Bold')
Fs(18)
txt('Config Files',(0.552654,0,0,0.552654,485.621,226.772),1,1)
G_()
G()
fp((1,0.647,0.31))
lw(0.283465)
r(85.0392,0,0,-28.3464,545.669,85.0394,0.0670228,0.151107)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
Fn('Helvetica-Bold')
Fs(18)
txt('Config Files',(0.552654,0,0,0.552654,584.834,70.8662),1,1)
G_()
G()
fp((1,0.647,0.31))
lw(0.283465)
r(84.6546,0,0,-27.3609,347.245,239.959,0.0670228,0.151107)
```

fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
Fn('Helvetica-Bold')  
Fs(18)  
txt('Help  
Files',(0.552654,0,0,0.552654,388.252,224.705),1,1)  
G\_()  
G()  
fp((1,0.647,0.31))  
lw(0.283465)  
r(84.6546,0,0,-27.3609,446.457,85.0394,0.0670228,0.151107)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
Fn('Helvetica-Bold')  
Fs(18)  
txt('Help Files',(0.552654,0,0,0.552654,487.464,69.7854),1,1)  
G\_()  
G()  
fp((1,0.647,0.31))  
lw(0.283465)  
r(85.0392,0,0,-28.3464,248.032,240.945,0.0670228,0.151107)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
Fn('Helvetica-Bold')  
Fs(18)  
txt('Keybox Files',(0.552654,0,0,0.552654,289.59,226.322),1,1)  
G\_()  
G()  
fp((1,0.647,0.31))  
lw(0.283465)  
r(70.866,0,0,-28.3464,574.016,240.945,0.0670228,0.151107)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
Fs(14)

```
style('Text')
Fn('Helvetica-Bold')
Fs(18)
txt('Private Keys',(0.552654,0,0,0.552654,609.449,226.772),1,1)
G_()
G()
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
Fn('Helvetica-Bold')
Fs(24)
txt('Scute',(0.552654,0,0,0.599958,224.978,465.775),1,1)
fp((0,0,0))
le()
lw(1)
Fn('Times-Roman')
Fs(10)
txt('(pkcs#11)',(1,0,0,1.08559,206.081,445.011))
G_()
G()
fp((0.999,1,0.4))
lw(0.283465)
r(198.827,0,0,-56.6929,304.322,488.976,0.0603744,0.151107)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
Fn('Helvetica-Bold')
Fs(36)
txt('GPGME
Library',(0.552654,0,0,0.552654,404.952,457.853),1,1)
G_()
G()
lw(1)
style('Application Box')
r(197.598,0,0,-42.5187,304.724,566.928,0.0152672,0.0677968)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
txt('GPGME aware Application',(0.98062,0,0,0.937018,334.892,540.985))
G_()
G()
```

```

lw(1)
style('Application Box')
r(127.829,0,0,-41.7496,162.992,566.159,0.0152672,0.0677968)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
txt('Legacy Application',(174.688,540.01))
G_()
G()
G()
lp((0.392,0.584,0.929))
lw(4.25197)
b()
bs(749.296,162.296,0)
bs(705.89,162.296,0)
lw(3.25)
ld((1, 1))
la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0,
-3.0), (-4.0, 3.0)], 1))
b()
bs(705.89,100.083,0)
bs(744.472,100.083,0)
lp((0.392,0.584,0.929))
lw(3.25)
ld((1, 1))
la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))
b()
bs(705.89,131.189,0)
bs(744.472,131.189,0)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
txt('execute/access',(0.31891,0,0,0.280771,726.951,87.3768),1,1)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
txt('closely linked',(0.31891,0,0,0.280771,724.715,149.589),1,1)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')

```

```

Fs(14)
style('Text')
txt('Assuan protocol',(0.31891,0,0,0.280771,728.535,118.483),1,1)
G_()
lw(1)
r(56.6929,0,0,-92.126,701.575,170.079)
G_()
lp((0.392,0.584,0.929))
lw(3.25)
ld((1, 1))
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))
b()
bs(248.031,325.984,0)
bs(248.031,297.638,0)
bs(538.583,297.638,0)
bs(538.583,340.157,0)
bs(566.929,340.157,0)
lp((0.392,0.584,0.929))
lw(3.25)
ld((1, 1))
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))
b()
bs(375.591,325.984,0)
bs(375.591,304.724,0)
bs(531.496,304.724,0)
bs(531.496,347.244,0)
bs(566.929,347.244,0)
guidelayer('Guide
  Lines',1,0,0,1,(0,0,1))
grid((0,0,7.08661,7.08661),1,(0,0,1),'Grid')
Just GNU it!
Just GNU it!
Just GNU it!
# -*- mode: org -*-
#+TITLE: GNU Privacy Guard (GnuPG) Made Easy Python Bindings
#+AUTHOR: Ben McGinnes
#+LATEX_COMPILER: xelatex
#+LATEX_CLASS: article
#+LATEX_CLASS_OPTIONS: [12pt]
#+LATEX_HEADER: \usepackage{xltextra}
#+LATEX_HEADER: \usepackage[margin=1in]{geometry}
#+LATEX_HEADER: \setmainfont[Ligatures={Common}]{Times New Roman}
#+LATEX_HEADER: \author{Ben McGinnes <ben@gnupg.org>}

```

```
* GPGME Python Bindings
```

```
:PROPERTIES:
```

```
:CUSTOM_ID: top
```

:END:

\*\* Contents

:PROPERTIES:

:CUSTOM\_ID: contents

:END:

- [[file:short-history]][A short history of the project]]
- [[file:what-is-new]][What's New]]
- [[file:maintenance-mode]][Maintenance Mode]] (from January, 2019)
- [[file:what-was-new]][What Was New]]
- [[file:gpgme-python-howto]][GPGME Python Bindings HOWTO]]

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```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and  
`show c' should show the appropriate  
parts of the General Public License. Of course, the commands you use may  
be called something other than `show w' and `show c'; they could even be  
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your  
school, if any, to sign a "copyright disclaimer" for the program, if  
necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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consider it more useful to permit linking proprietary applications with the  
library. If this is what you want to do, use the GNU Library General  
Public License instead of this License.

```
\input texinfo @c -*- texinfo -*-
@c %**start of header
@setfilename short-history.info
@settitle A Short History of the GPGME bindings for Python
@documentencoding utf-8
@documentlanguage en
@c %**end of header

@finalout
@titlepage
@title A Short History of the GPGME bindings for Python
@author Ben McGinnes
@end titlepage
```

@contents

@ifnottex

@node Top

@top A Short History of the GPGME bindings for Python

@end ifnottex

@menu

\* Overview::

\* Relics of the past::

@detailmenu

--- The Detailed Node Listing ---

Overview

\* In the beginning::

\* Keeping the flame alive::

\* Passing the torch::

\* Coming full circle::

Relics of the past

\* The Annoyances of Git::

\* The Perils of PyPI::

The Perils of PyPI

\* GPG 180 - Python bindings for GPGME GnuPG cryptography library::

\* PyME 090 - Python support for GPGME GnuPG cryptography library::

@end detailmenu

@end menu

@node Overview

@chapter Overview

@multitable {aaaaaaaaaaaaaaaa} {aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa}

@item Version:

@tab

0.0.1

@item GPGME Version:

@tab 1.13.0

@item Author:

@tab Ben McGinnes <ben@gnupg.org>

@item Author GPG Key:

@tab DB4724E6FA4286C92B4E55C4321E4E2373590E5D

@item Language:  
@tab Australian English, British English  
@item xml:lang:  
@tab en-AU, en-GB, en  
@end multitable

The GPGME Python bindings passed through many hands and numerous phases before, after a fifteen year journey, coming full circle to return to the source. This is a short explanation of that journey.

@menu  
\* In the beginning::  
\* Keeping the flame alive::  
\* Passing the torch::  
\* Coming full circle::  
@end menu

@node In the beginning  
@section In the beginning

In 2002 John Goerzen released PyME; Python bindings for the GPGME module which utilised the current release of Python of the time and SWIG. @footnote{In all likelihood this would have been Python 2.2 or possibly Python 2.3.} Shortly after creating it and ensuring it worked he stopped supporting it, though he left his work available on his Gopher site.

@node Keeping  
the flame alive  
@section Keeping the flame alive

A couple of years later the project was picked up by Igor Belyi and actively developed and maintained by him from 2004 to 2008. Igor's whereabouts at the time of this document's creation are unknown, but the current authors do hope he is well. We're assuming (or hoping) that life did what life does and made continuing untenable.

@node Passing the torch  
@section Passing the torch

In 2014 Martin Albrecht wanted to patch a bug in the PyME code and discovered the absence of Igor. Following a discussion on the PyME mailing list he became the new maintainer for PyME, releasing version 0.9.0 in May of that year. He remains the maintainer of the original PyME release in Python 2.6 and 2.7 (available via PyPI).

@node Coming full circle



@section Coming full circle

In 2015 Ben McGinnes approached Martin about a Python 3 version, while investigating how complex a task this would be the task ended up being completed. A subsequent discussion with Werner Koch led to the decision to fold the Python 3 port back into the original GPGME release in the languages subdirectory for non-C bindings under the module name of @samp{pyme3}.

In 2016 this PyME module was integrated back into the GPGME project by Justus Winter. During the course of this work Justus adjusted the port to restore limited support for Python 2, but not as many minor point releases as the original PyME package supports. During the course of this integration the package was renamed to more accurately reflect its status as a component of GPGME. The @samp{pyme3} module was renamed to @samp{gpg} and adopted by the upstream GnuPG team.

In 2017 Justus departed G10code and the GnuPG team. Following this Ben returned to maintain of gpgme Python bindings and continue building them from that point.

@node Relics of the past  
@chapter Relics of the past

There are a few things, in addition to code specific factors, such as SWIG itself, which are worth noting here.

@menu  
\*

The Annoyances of Git::  
\* The Perils of PyPI::  
@end menu

@node The Annoyances of Git  
@section The Annoyances of Git

As anyone who has ever worked with git knows, submodules are horrible way to deal with pretty much anything. In the interests of avoiding migraines, that was skipped with addition of the PyME code to GPGME.

Instead the files were added to a subdirectory of the @samp{lang/} directory, along with a copy of the entire git log up to that point as a separate file within the @samp{lang/python/docs/} directory. @footnote{The entire PyME git log and other preceding VCS logs are located in the @samp{gpgme/lang/python/docs/old-commits.log} file.} As the log for PyME is nearly 100KB and the log for GPGME is

approximately 1MB, this would cause considerable bloat, as well as some confusion, should the two be merged.

Hence the unfortunate, but necessary, step to simply move the files. A regular repository version has been maintained should it be possible to implement this better in the future.

```
@node The Perils of PyPI
@section The Perils of PyPI
```

The early port of the Python 2 @samp{pyme} module as @samp{pyme3} was never added to PyPI while the focus remained on development and testing during 2015 and early 2016. Later in 2016, however, when Justus completed his major integration work and subsequently renamed the module from @samp{pyme3} to @samp{gpg}, some prior releases were also provided through PyPI.

Since these bindings require a matching release of the GPGME libraries in order to function, it was determined that there was little benefit in also providing a copy through PyPI since anyone obtaining the GPGME source code would obtain the Python bindings source code at the same time. Whereas there was the potential to sew confusion amongst Python users installing the module from PyPI, only to discover that without the relevant C files, header files or SWIG compiled binaries, the Python module did them little good.

There are only two files on PyPI which might turn up in a search for this module or a sample of its content:

```
@enumerate
@item
gpg (1.8.0) - Python bindings for GPGME GnuPG cryptography library
@item
pyme (0.9.0) - Python support for GPGME GnuPG cryptography library
@end enumerate
```

```
@menu
* GPG 180 - Python bindings for GPGME GnuPG cryptography library::
* PyME 090 - Python support for GPGME GnuPG cryptography library::
@end menu
```

```
@node GPG 180 - Python bindings for GPGME GnuPG cryptography library
@subsection GPG 180 - Python bindings for GPGME GnuPG cryptography library
```

This is the most recent version to reach PyPI and is the version of the official Python bindings which shipped with GPGME 1.8.0. If

you have GPGME 1.8.0 installed and `@emph{only}` 1.8.0 installed, then it is probably safe to use this copy from PyPI.

As there have been a lot of changes since the release of GPGME 1.8.0, the GnuPG Project recommends not using this version of the module and instead installing the current version of GPGME along with the Python bindings included with that package.

`@node PyME 090 - Python support for GPGME GnuPG cryptography library`  
`@subsection PyME 090 - Python support for GPGME GnuPG cryptography library`

This is the last release of the PyME bindings maintained by Martin Albrecht and is only compatible with Python 2, it will not work with Python 3. This is the version of the software from which the port from Python 2 to Python 3 code was made in 2015.

Users of the more recent Python bindings will recognise numerous points of similarity, but also significant differences. It is likely that the more recent official bindings will feel "more pythonic."

For those using Python 2, there is essentially no harm in using this module, but it may lack a number of more recent features added to GPGME.

`@bye`  
commit 2145348ec54c6027f2ea20f695de0277e2871405  
Merge: 348ba88 2036f1a  
Author: Ben McGinnes <ben@adversary.org>  
Date: Wed May 6 03:04:19 2015 +1000

Merge pull request #4 from Hasimir/master

history

commit 2036f1a0a670a0561993e195c458059220b36114  
Merge: dbabf0c 348ba88  
Author: Ben McGinnes <ben@adversary.org>  
Date: Wed May 6 02:57:44 2015 +1000

Merge branch 'master' of github:adversary-org/pyme3

commit dbabf0cf1f2985755c2293b619011832e34faa9c  
Author: Ben McGinnes <ben@adversary.org>  
Date: Wed May 6 02:52:23 2015 +1000

Added a short history

- \* A (very) brief summary of the project's history since 2002.
- \* Deals with why the commit log in the GPGME repo does not include the history of PyME.
- \* Mentions that intact git repos will be maintained, but not where they are (one will be on github, another will be in a user directory on playfair.gnupg.org).

docs/Short\_History.rst | 57 ++++++  
1 file  
changed, 57 insertions(+)

commit 348ba883424778c711c04ae9b66035ccdb36eb8c  
Merge: 127d0a5 7c37a27  
Author: Ben McGinnes <ben@adversary.org>  
Date: Wed May 6 02:21:34 2015 +1000

Merge pull request #3 from Hasimir/master

Version release preparation

commit 7c37a27a6845c58222d4d947c2efbe38e955b612  
Merge: f692cff 127d0a5  
Author: Ben McGinnes <ben@adversary.org>  
Date: Wed May 6 02:17:14 2015 +1000

Merge branch 'master' of github:adversary-org/pyme3

commit f692cff50a89c2c61acbd3d7dd60f5ce3cd15af  
Author: Ben McGinnes <ben@adversary.org>  
Date: Wed May 6 02:09:44 2015 +1000

TODO update

- \* Removed reference to GitHub, replaced with impending new home at gnupg.org.

docs/TODO.rst | 4 +++-  
1 file changed, 2 insertions(+), 2 deletions(-)

commit bd5ccf9e3bfe69fa681613757577e87b72ca08ec  
Author: Ben McGinnes <ben@adversary.org>  
Date: Wed May 6 02:00:44 2015 +1000

Version bump

- \* Bumped version number to 0.9.1 to keep it somewhat in line with the existing

PyME project, even though there will be some divergence at some point (or even re-merging, depending on how many of the Python 3 modifications can be back-ported to the Python 2 version).

\* Updated the author and copyright information to reflect the two current authors (Martin and I).

\* Replaced Igor's contact details with mine.

\* Replaced project home page with the GnuPG one.

pyme/version.py | 16 ++++++-----

1 file changed, 9 insertions(+), 7 deletions(-)

commit ec167512f4ca88d8f6e89e2ae831798c8283b4df

Author: Ben McGinnes <ben@adversary.org>

Date: Wed May 6 01:48:01 2015 +1000

README preparation.

\* Changes in preparation for impending move of code to the GnuPG git server as a part of GPGME.

README.rst | 14 ++++++-----

1 file changed, 7 insertions(+), 7 deletions(-)

commit 8a48515e884c36b5bdb24a13cb4d2e49f4ee6f17

Author: Ben McGinnes <ben@adversary.org>

Date: Wed May 6 01:43:53 2015 +1000

TODO moved to docs

\* As it says.

TODO.rst | 25 -----

docs/TODO.rst | 25 ++++++

2 files changed, 25 insertions(+), 25 deletions(-)

commit f968c777472f01f308f6e57eac1740bf5c76c205

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 16:52:13 2015 +1000

Started another TODO file.

TODO.rst | 25 ++++++

1 file changed, 25 insertions(+)

commit 127d0a56fa9f7ad1d4fb39d0b529b890a8d67365

Merge: db72dea 44837f6

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 14:59:44 2015 +1000

Merge pull request #2 from Hasimir/master

Minor editing.

commit 44837f6e50fc539c86aef1f75a6a3538b02029ea

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 14:56:55 2015 +1000

Minor editing.

\* Fixed another URL.

\* Changed Py3 version's version number to v0.9.1-beta0.

README.rst | 4 ++--

1 file changed, 2 insertions(+), 2 deletions(-)

commit db72deaae19c3513391df040bcaf66a88d9213af

Merge: db34286 48eb185

Author:

Ben McGinnes <ben@adversary.org>

Date: Sun May 3 14:26:11 2015 +1000

Merge pull request #1 from Hasimir/master

Links

commit 48eb1856cb0739cc9f0b9084da9d965e1fc7fddd

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 14:22:30 2015 +1000

Links

\* Fixed URLs for authors.

\* Updated my entry to point to github location.

\*\* I strongly suspect the result of this work will be concurrent projects, so preparing for that eventuality with this repo.

README.rst | 8 +++++--

1 file changed, 4 insertions(+), 4 deletions(-)

commit db3428659783f30b9a76204403daedf9fc4cf7cf

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 11:29:00 2015 +1000

Explicit over Implicit ...

... isn't just for code.

- \* Removed the 2to3 working directory and its contents.
- \* Made the README.rst file a little more clear that this branch is for Python 3 (set Python 3.2 as a fairly arbitrary requirement for the moment, but will probably raise this to 3.3).

```
2to3/2to3-output-remaining.log | 60 ---
2to3/2to3-output-setup.log   | 35 --
2to3/2to3-output.log         | 950 -----
README.rst                    | 10 +-
4 files changed, 7 insertions(+), 1048 deletions(-)
```

```
commit 3edf07a4ba8a86af3a33246234d6e133074862af
Author: Ben McGinnes <ben@adversary.org>
Date: Sun May 3 11:19:41 2015 +1000
```

Added authors.

- \* In alphabetical order.
- \* Mine will need updating once Martin and I have decided what to do regarding the two main branches.

```
README.rst | 12 ++++++++
1 file changed, 12 insertions(+)
```

```
commit 811eb14b53e8856312d99f46b77215f7f9bd672c
Author: Ben McGinnes <ben@adversary.org>
Date: Sun May 3 10:23:00 2015 +1000
```

Docs and other things.

- \* Now able to import pyme.core without error, indicates port process is successful.
- \* Code is *\*not\** compatible with the Python 2 version.
- \* Will need to consider making this a parallel project with the master branch.
- \* Got rid of the .org TODO file.
- \* Changed the README to use the reST file extension since it's full of reST anyway.

```
2to3/TODO.org | 5 -----
README.rst    | 32 ++++++++
README.txt    | 32 -----
3 files changed, 32 insertions(+), 37 deletions(-)
```

```
commit 79e784bdcce1de6f7856921b5431044c62c6f015
```

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 10:18:40 2015 +1000

Fixed another implicit import by making it explicit. Hopefully this is the last one.

pyme/util.py | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit 2b52b46ccda3e7abcc50eed0745062259d698661

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 10:16:01 2015 +1000

Fixed another implicit import by making it explicit.

pyme/errors.py | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit 409c8fd565e21f23cd41daaeffc867e6d23a0863

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 10:08:22  
2015 +1000

Bytes vs. Unicode

\* Trying PyBytes instead of PyUnicode.

gpgme.i | 14 ++++++-----  
helpers.c | 8 +++++--

2 files changed, 11 insertions(+), 11 deletions(-)

commit d8164aa2ae98bf8c807c16e2d9be12c5fba7cfd

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 09:22:58 2015 +1000

String to Unicode

\* Replaced all instances of PyString with PyUnicode (and hoping there's no byte data in there).

gpgme.i | 14 ++++++-----  
helpers.c | 8 +++++--

2 files changed, 11 insertions(+), 11 deletions(-)

commit bd99b7865656e559b17c419c6b64b412a22c6c44

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 09:17:06 2015 +1000

PyInt\_AsLong



\* Replaced all instances of PyInt with PyLong, as per C API docs.

gpgme.i | 4 +++-

helpers.c | 8 ++++----

2 files changed, 6 insertions(+), 6 deletions(-)

commit 3c91e2ccf8ca788b51e3308e292c6b64888fdb15

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 05:59:36 2015 +1000

Import correction

\* Once pygpgme.py is generated and moved, it will be in the right directory for the explicit "from . import pygpgme" to be correct.

pyme/core.py | 2 +-

1 file changed, 1 insertion(+), 1 deletion(-)

commit 23a49e7070812ff1ce138d8d4cc46d0b80328897

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 05:38:29 2015 +1000

The -py3 flag.

Makefile | 2 +-

1 file changed, 1 insertion(+), 1 deletion(-)

commit b1549587d6db5e33081b9c20f75d1348a1d25938

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 05:01:42 2015 +1000

Fixed indentation - 4.

pyme/core.py | 2 +-

1 file changed, 1 insertion(+), 1 deletion(-)

commit a685142ce46761ee6f5176e90717176e38e0d24f

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 05:00:16 2015 +1000

Fixed indentation - 3.

pyme/core.py | 5 +++-

1 file changed, 2 insertions(+), 3 deletions(-)

commit 488a70b490cc64eb1c47d2483cb2f4079c6767f7

Author: Ben McGinnes <ben@adversary.org>

Date: Sun

May 3 04:53:21 2015 +1000

Pet Peeve

```
def pet_peeve(self):
    peeve = print("people who don't press return after a colon!")
```

FFS!

pyme/core.py | 5 +++--

1 file changed, 3 insertions(+), 2 deletions(-)

commit a5d38eb47d64bb17bb609fe594dae2aca480bac9

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 04:47:54 2015 +1000

Fixed indentation - 2.

pyme/core.py | 2 +-

1 file changed, 1 insertion(+), 1 deletion(-)

commit 476a207f732b8559abb1ea3c23147c0e34804730

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 04:46:01 2015 +1000

Fixed indentation.

pyme/core.py | 4 +++--

1 file changed, 2 insertions(+), 2 deletions(-)

commit 0572900eba9bcd9b0283c7d8e022e8972f06f9f8

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 04:43:49 2015 +1000

Replaced all tabs with 4 spaces.

pyme/core.py | 18 ++++++++-----

1 file changed, 9 insertions(+), 9 deletions(-)

commit 78c0b7677e94ce1e11b8cdb833a9064527187330

Author: Ben McGinnes <ben@adversary.org>

Date:

Sun May 3 04:39:07 2015 +1000

SWIG flags in the wrong place.

Makefile | 4 +++-

1 file changed, 2 insertions(+), 2 deletions(-)

commit dfa7f2589963494a8f89277560d8c1116604a3c8

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 04:35:09 2015 +1000

Fixed subprocess call for swig (again).

setup.py | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit 249bfd8c714dcda53127b99b6cc8a6c7c4a99f20

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 04:32:40 2015 +1000

Fixed subprocess call for swig.

setup.py | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit 6fd7e719cf4c975f466ceb39835db7007df36fb2

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 03:51:48 2015 +1000

Linking swig to py3

\* Changed the swig invocations to run with the -python -py3 flags explicitly.

Makefile | 4 +++-

setup.py | 2 +-  
2 files changed, 3 insertions(+), 3 deletions(-)

commit 7a6b584f50ed6ddc8617a642185eea1f24ff791a

Author:

Ben McGinnes <ben@adversary.org>

Date: Sat May 2 11:12:00 2015 +1000

String fun

\* streamlined confdata details, including decoding strom binary to string.

setup.py | 4 +---  
1 file changed, 1 insertion(+), 3 deletions(-)

commit f7fd3f270592021a95a8f779bfe85ac18f4e390b

Author: Ben McGinnes <ben@adversary.org>

Date: Sat May 2 10:46:59 2015 +1000

Open File

\* Removed deprecated file() and replaced with open().

examples/PyGtkGpgKeys.py | 2 +-  
examples/pygpa.py | 6 +++---  
gpgme-h-clean.py | 2 +-  
3 files changed, 5 insertions(+), 5 deletions(-)

commit 4227d486f9558015e7e548d71085e58e1b50ec08  
Author: Ben McGinnes <ben@adversary.org>  
Date: Sat May 2 10:36:15 2015 +1000

print() fix

\* Makefile includes a python print, changed from statement to function.

Makefile | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit 406f7f2567b701502186fe0a325dc2a3491ff7f8  
Author: Ben McGinnes <ben@adversary.org>  
Date: Sat May 2 10:28:42  
2015 +1000

Updated Makefile

\* set make to use python3 instead.  
\* This will mean a successful port may need to be maintained separately from the original python2 code instead of merged, but ought to be able to share most things. So maybe merge with separated make files or a pre-make script to set python2 or python3 prior to building ... decide later, after it works.

Makefile | 6 +++---  
1 file changed, 3 insertions(+), 3 deletions(-)

commit 90b3efa5b193d37e08dc9b4ee766ba9ebc9412af  
Author: Ben McGinnes <ben@adversary.org>  
Date: Sat May 2 10:15:20 2015 +1000

Env and a little license issue

\* Updated all the /usr/bin/env paths to point to python3.  
\* Also fixed the hard coded /usr/bin/python paths.  
\* Updated part of setup.py which gave the impression this package was only licensed under the GPL (it's actually licensed under the LGPL as

well, essentially the same dual licensing as the GPGME library).

```
examples/PyGtkGpgKeys.py
| 2 +-
examples/delkey.py      | 2 +-
examples/encrypt-to-all.py | 2 +-
examples/exportimport.py | 2 +-
examples/genkey.py     | 2 +-
examples/inter-edit.py | 2 +-
examples/pygpa.py      | 2 +-
examples/sign.py       | 2 +-
examples/signverify.py | 2 +-
examples/simple.py     | 2 +-
examples/t-edit.py     | 2 +-
examples/testCMSgetkey.py | 2 +-
examples/verifydetails.py | 2 +-
gpgme-h-clean.py      | 2 +-
setup.py              | 4 +++-
15 files changed, 16 insertions(+), 16 deletions(-)
```

```
commit 1a4b55dbccd2774344352e579130bf494bc5fa4b
Author: Ben McGinnes <ben@adversary.org>
Date: Sat May 2 08:50:54 2015 +1000
```

Removed extraneous files.

\* The two .bak files.

```
pyme/errors.py.bak | 46 -----
setup.py.bak      | 116 -----
2 files changed, 162 deletions(-)
```

```
commit 208879d4f2a6d0514c3f8ee2fc0da8bba42350de
Author: Ben McGinnes <ben@adversary.org>
Date:
Sat May 2 08:19:37 2015 +1000
```

Added TODO.org

\* TODO list in Emacs org-mode.

\* Will eventually be removed along with this entire directory when the porting process is complete.

```
2to3/TODO.org | 5 +++++
1 file changed, 5 insertions(+)
```

```
commit 1548bf201059638675c5387c6f124d4b703363a9
Author: Ben McGinnes <ben@adversary.org>
```

Date: Sat May 2 07:58:40 2015 +1000

2to3 conversion of remaining files

- \* Ran the extended version against all the unmodified python files.
- \* Only pyme/errors.py required additional work.

```
2to3/2to3-output-remaining.log | 60 ++++++
pyme/errors.py                | 2 +-
pyme/errors.py.bak            | 46 ++++++
3 files changed, 107 insertions(+), 1 deletion(-)
```

commit 1230650bc6bbe4c14d1284f7877aa932f3e86eb4  
Author: Ben McGinnes <ben@adversary.org>  
Date: Sat May 2 07:50:39 2015 +1000

2to3 conversion of setup.py

- \* Ran extended 2to3 command to produce python 3 code for setup.py.
- \* Effectively testing for what to run against the other originally unmodified py2 files.

```
2to3/2to3-output-setup.log | 35 ++++++
setup.py                    | 7 +-
setup.py.bak                 | 116 ++++++
3 files changed, 154 insertions(+), 4 deletions(-)
```

commit edad44955f59aa879e95a369591717fb19eec6b7  
Author: Ben McGinnes <ben@adversary.org>  
Date: Fri May 1 21:50:07 2015 +1000

Removing 2to3 generated .bak files.

- \* Not really needed with a real VCS, but couldn't hurt to have them for a couple of revisions. ;)

```
examples/PyGtkGpgKeys.py.bak | 663 -----
examples/encrypt-to-all.py.bak | 65 --
examples/exportimport.py.bak | 75 --
examples/genkey.py.bak | 45 -
examples/inter-edit.py.bak | 57 --
examples/pygpa.py.bak | 1457 -----
examples/sign.py.bak
| 31 -
examples/signverify.py.bak | 78 --
examples/simple.py.bak | 52 --
examples/t-edit.py.bak | 59 --
```

```
examples/testCMSgetkey.py.bak      | 45 -
examples/verifydetails.py.bak     | 100 ---
gpgme-h-clean.py.bak              | 42 -
pyme/callbacks.py.bak             | 47 --
pyme/constants/data/__init__.py.bak | 4 -
pyme/constants/keylist/__init__.py.bak | 4 -
pyme/constants/sig/__init__.py.bak | 4 -
pyme/core.py.bak                  | 463 -----
pyme/util.py.bak                  | 72 --
pyme/version.py.bak               | 41 -
20 files changed, 3404 deletions(-)
```

commit 1cfc3c969f885ed191610bffb6d60ac23fdd349e

Author: Ben McGinnes <ben@adversary.org>

Date: Fri May 1 21:45:50 2015 +1000

2to3 conversion log

\* The output of the command to convert the code from Python 2 to 3.

\* Note: this contains the list of files which were not modified

and

which will or may need to be modified.

```
2to3/2to3-output.log | 950 ++++++
1 file changed, 950 insertions(+)
```

commit 078f6cf878aa62d12704fab424198a613a24cc8c

Author: Ben McGinnes <ben@adversary.org>

Date: Fri May 1 21:36:58 2015 +1000

2to3 conversion of pyme master

\* Branch from commit 459f3eca659b4949e394c4a032d9ce2053e6c721

\* Ran this: or x in `find . | egrep .py\$` ; do 2to3 -w \$x; done ;

\* Multiple files not modified, will record elsewhere (see next commit).

```
examples/PyGtkGpgKeys.py          | 10 +-
examples/PyGtkGpgKeys.py.bak      | 663 ++++++
examples/encrypt-to-all.py       | 12 +-
examples/encrypt-to-all.py.bak   | 65 ++
examples/exportimport.py          | 20 +-
examples/exportimport.py.bak      | 75 ++
examples/genkey.py                 | 2 +-
examples/genkey.py.bak            | 45 +
examples/inter-edit.py            | 8 +-
examples/inter-edit.py.bak        | 57 ++
examples/pygpa.py                 | 40 +-

```

```

examples/pygpa.py.bak      | 1457 ++++++
examples/sign.py          | 2 +-
examples/sign.py.bak      | 31 +
examples/signverify.py    | 18 +-
examples/signverify.py.bak | 78 ++
examples/simple.py        | 8 +-
examples/simple.py.bak    | 52 ++
examples/t-edit.py        | 12 +-
examples/t-edit.py.bak    | 59 ++
examples/testCMSgetkey.py | 8 +-
examples/testCMSgetkey.py.bak | 45 +
examples/verifydetails.py | 34 +-
examples/verifydetails.py.bak | 100 +++
gpgme-h-clean.py         | 2 +-
gpgme-h-clean.py.bak     | 42 +
pyme/callbacks.py        | 6 +-
pyme/callbacks.py.bak    | 47 ++
pyme/constants/data/__init__.py
| 2 +-
pyme/constants/data/__init__.py.bak | 4 +
pyme/constants/keylist/__init__.py | 2 +-
pyme/constants/keylist/__init__.py.bak | 4 +
pyme/constants/sig/__init__.py | 2 +-
pyme/constants/sig/__init__.py.bak | 4 +
pyme/core.py              | 26 +-
pyme/core.py.bak          | 463 ++++++
pyme/util.py              | 6 +-
pyme/util.py.bak          | 72 ++
pyme/version.py           | 2 +-
pyme/version.py.bak      | 41 +
40 files changed, 3515 insertions(+), 111 deletions(-)

```

commit 459f3eca659b4949e394c4a032d9ce2053e6c721

Merge: c5966ab dae7f14

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Wed Jul 9 10:48:33 2014 +0100

Merged in jerrykan/pyme/fix\_setup\_26 (pull request #1)

Provide support for using setup.py with Python v2.6

commit dae7f14a54e6c2bde0ad4da7308cc7fc0d0c0469

Author: John Kristensen

<john.kristensen@dpipwe.tas.gov.au>

Date: Wed Jul 9 15:54:39 2014 +1000

Provide support for using setup.py with Python v2.6



The setup.py script uses subprocess.check\_output() which was introduced in Python v2.7. The equivalent functionality can be achieved without adding much extra code and provide support for Python v2.6.

setup.py | 4 +++-

1 file changed, 3 insertions(+), 1 deletion(-)

commit c5966abec9d772b3922d32650da288fd50a217be

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Thu May 15 19:43:00 2014 +0100

README.txt in ReST, including headlines

README.txt | 8 ++++++--

1 file changed, 6 insertions(+), 2 deletions(-)

commit 43ee8c6f34fa9b6d3975aa6ea60b3d4a741fa721

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Thu May 15 19:37:15 2014 +0100

README.txt in ReST

README.txt | 25 ++++++-----

1 file changed, 13 insertions(+), 12 deletions(-)

commit f71a369484cba8801df23ccc5842335fa496c0df

Author:

Martin Albrecht <martinralbrecht@googlemail.com>

Date: Thu May 15 19:28:12 2014 +0100

added MANIFEST.in and README.txt (instead of .md)

MANIFEST.in | 6 ++++++

README.md | 27 -----

README.txt | 27 ++++++-----

3 files changed, 33 insertions(+), 27 deletions(-)

commit d0d6755229f920b0bed043e9c2731de2d57c096c

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Tue May 13 09:52:44 2014 +0100

added mailing list to README

README.md | 19 ++++++-----

1 file changed, 16 insertions(+), 3 deletions(-)

commit 30ca60ddf92df684de261cb24c83c68089be0adc

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Sun May 11 13:34:28 2014 +0100

we don't need a separate out of date ChangeLog file

ChangeLog | 802 -----

1 file changed, 802 deletions(-)

commit 8263f1a6d38fdb7f5f3dd5c7e28f83caa7528a08

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date:

Sun May 11 13:32:31 2014 +0100

adding README.md

README.md | 14 ++++++

1 file changed, 14 insertions(+)

commit 3fc71b47e9e14b0b984801c28d722723baa4b406

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Sat May 10 15:43:06 2014 +0100

ValueError -> RuntimeError

setup.py | 4 +--

1 file changed, 2 insertions(+), 2 deletions(-)

commit eec432abea56296b9fa36aac0d10926a2335b739

Merge: eea6537 d2738b3

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Sat May 10 15:41:02 2014 +0100

Merge branch 'master' of bitbucket.org:malb/pyme

Conflicts:

setup.py

commit eea6537921061b4dcfc54e00a99d3fa110e71433

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Sat May 10 15:39:51 2014 +0100

check for swig

setup.py | 8 ++++++

1 file changed, 8 insertions(+)

commit 53867bf9715ee1b4ea873bf5e2fbb7d9740a2b4a

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Sat May 10 15:35:04 2014 +0100

more friendly error message if gpgme is missing

setup.py | 8 +++++++-

1 file changed, 7 insertions(+), 1 deletion(-)

commit d2738b35d63b1492d69641c5466103685f2d3a30

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Sat May 10 15:35:04 2014 +0100

more friendly error message if gpgme is missing

setup.py | 8 +++++++-

1 file changed, 7 insertions(+), 1 deletion(-)

commit c0b01240becf8ba6cf1d4c1f64b2cb4c056f5163

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Fri May 9 15:20:24 2014 +0100

version number should have three digits

pyme/version.py | 2 +-

1 file changed, 1 insertion(+), 1 deletion(-)

commit 6672bb60b9bec60d38e854016c48658b57774578

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Wed May 7 15:11:08 2014 +0100

bump version number for upcoming release

pyme/version.py | 2 +-

1 file changed, 1 insertion(+), 1 deletion(-)

commit 7bd6de700f33ca5d1f27bc16ebbd401f21d2e788

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date:

Sat May 3 19:36:25 2014 +0100

bump version number to indicate changes

pyme/version.py | 2 +-

1 file changed, 1 insertion(+), 1 deletion(-)

commit 4fb6bd9b3f47c1a343242ac83b326cacd12a136e

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Sat May 3 19:34:07 2014 +0100

pyme instead of pygpgme

setup.py | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit 9548973138d78241a45ccb82333b25f2cf36ce7d  
Author: Martin Albrecht <martinralbrecht@googlemail.com>  
Date: Sat May 3 19:31:10 2014 +0100

dirty hack to make 'python setup.py install' work

setup.py | 7 +++++--  
1 file changed, 4 insertions(+), 3 deletions(-)

commit a961d7eab9db478b7e603324bc5d243bd3c84bad  
Author: Martin Albrecht <martinralbrecht@googlemail.com>  
Date: Sat May 3 19:05:44 2014 +0100

moved everything down to the toplevel directory

```
COPYING | 340 ++
COPYING.LESSER | 510 +++
ChangeLog
      | 802 ++++++
INSTALL | 15 +
Makefile | 104 +
debian/README.Debian | 6 +
debian/changelog | 93 +
debian/control | 34 +
debian/copyright | 25 +
debian/docs | 2 +
debian/examples | 2 +
debian/rules | 99 +
examples/PyGtkGpgKeys.glade | 1394 ++++++++
examples/PyGtkGpgKeys.gladep | 8 +
examples/PyGtkGpgKeys.py | 663 ++++
examples/delkey.py | 34 +
examples/encrypt-to-all.py | 65 +
examples/exportimport.py | 75 +
examples/genkey.py | 45 +
examples/inter-edit.py | 57 +
examples/pygpa.glade | 5546 ++++++
examples/pygpa.py
      | 1457 ++++++
examples/sign.py | 31 +
examples/signverify.py | 78 +
examples/simple.py | 52 +
examples/t-edit.py | 59 +
examples/testCMSgetkey.py | 45 +
```

|                                    |            |
|------------------------------------|------------|
| examples/verifydetails.py          | 100 +      |
| gpgme-h-clean.py                   | 42 +       |
| gpgme.i                            | 267 ++     |
| helpers.c                          | 154 +      |
| helpers.h                          | 36 +       |
| pyme/COPYING                       | 340 --     |
| pyme/COPYING.LESSER                | 510 ---    |
| pyme/ChangeLog                     | 802 -----  |
| pyme/INSTALL                       | 15 -       |
| pyme/Makefile                      | 104 -      |
| pyme/__init__.py                   | 137 +      |
| pyme/callbacks.py                  | 47 +       |
| pyme/constants/__init__.py         | 7 +        |
| pyme/constants/data/__init__.py    | 4          |
| +                                  |            |
| pyme/constants/data/encoding.py    | 20 +       |
| pyme/constants/event.py            | 20 +       |
| pyme/constants/import.py           | 20 +       |
| pyme/constants/keylist/__init__.py | 4 +        |
| pyme/constants/keylist/mode.py     | 20 +       |
| pyme/constants/md.py               | 20 +       |
| pyme/constants/pk.py               | 20 +       |
| pyme/constants/protocol.py         | 20 +       |
| pyme/constants/sig/__init__.py     | 4 +        |
| pyme/constants/sig/mode.py         | 20 +       |
| pyme/constants/sigsum.py           | 20 +       |
| pyme/constants/status.py           | 20 +       |
| pyme/constants/validity.py         | 20 +       |
| pyme/core.py                       | 463 +++    |
| pyme/debian/README.Debian          | 6 -        |
| pyme/debian/changelog              | 93 -       |
| pyme/debian/control                | 34 -       |
| pyme/debian/copyright              | 25 -       |
| pyme/debian/docs                   | 2 -        |
| pyme/debian/examples               |            |
| 2 -                                |            |
| pyme/debian/rules                  | 99 -       |
| pyme/errors.py                     | 46 +       |
| pyme/examples/PyGtkGpgKeys.glade   | 1394 ----- |
| pyme/examples/PyGtkGpgKeys.gladep  | 8 -        |
| pyme/examples/PyGtkGpgKeys.py      | 663 ----   |
| pyme/examples/delkey.py            | 34 -       |
| pyme/examples/encrypt-to-all.py    | 65 -       |
| pyme/examples/exportimport.py      | 75 -       |
| pyme/examples/genkey.py            | 45 -       |
| pyme/examples/inter-edit.py        | 57 -       |
| pyme/examples/pygpa.glade          | 5546 ----- |
| pyme/examples/pygpa.py             | 1457 ----- |

```

pyme/examples/sign.py          | 31 -
pyme/examples/signverify.py   | 78 -
pyme/examples/simple.py       | 52 -
pyme/examples/t-edit.py       | 59 -
pyme/examples/testCMSgetkey.py | 45 -
pyme/examples/verifydetails.py | 100 -
pyme/gpgme-h-clean.py        | 42 -
  pyme/gpgme.i                | 267 --
pyme/helpers.c                | 154 -
pyme/helpers.h                | 36 -
pyme/pyme/__init__.py         | 137 -
pyme/pyme/callbacks.py        | 47 -
pyme/pyme/constants/__init__.py | 7 -
pyme/pyme/constants/data/__init__.py | 4 -
pyme/pyme/constants/data/encoding.py | 20 -
pyme/pyme/constants/event.py  | 20 -
pyme/pyme/constants/import.py | 20 -
pyme/pyme/constants/keylist/__init__.py | 4 -
pyme/pyme/constants/keylist/mode.py | 20 -
pyme/pyme/constants/md.py     | 20 -
pyme/pyme/constants/pk.py     | 20 -
pyme/pyme/constants/protocol.py | 20 -
pyme/pyme/constants/sig/__init__.py | 4 -
pyme/pyme/constants/sig/mode.py | 20 -
pyme/pyme/constants/sigsum.py | 20 -
pyme/pyme/constants/status.py | 20 -
pyme/pyme/constants/validity.py | 20
-
pyme/pyme/core.py             | 463 ---
pyme/pyme/errors.py           | 46 -
pyme/pyme/util.py             | 72 -
pyme/pyme/version.py          | 41 -
pyme/setup.py                 | 99 -
pyme/util.py                  | 72 +
pyme/version.py               | 41 +
setup.py                       | 99 +
108 files changed, 13384 insertions(+), 13384 deletions(-)

```

commit 8148cdd424c434e833ce427612ea8c89abc6e41c

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Sat May 3 18:58:52 2014 +0100

removing pyme-web

```

pyme-web/Makefile             | 15 -
pyme-web/default.css          | 37 --
pyme-web/doc/gpgme/ASCII-Armor.html | 57 ---
pyme-web/doc/gpgme/Advanced-Key-Editing.html | 98 ----

```

|                                                    |           |
|----------------------------------------------------|-----------|
| pyme-web/doc/gpgme/Algorithms.html                 | 47 --     |
| pyme-web/doc/gpgme/Building-the-Source.html        | 82 ----   |
| .../doc/gpgme/Callback-Based-Data-Buffers.html     | 148 ----- |
| pyme-web/doc/gpgme/Cancellation.html               | 67 ---    |
| pyme-web/doc/gpgme/Concept-Index.html              | 186 ----- |
| pyme-web/doc/gpgme/Context-Attributes.html         | 52 --     |
| pyme-web/doc/gpgme/Contexts.html                   | 61 ---    |
| pyme-web/doc/gpgme/Creating-Contexts.html          | 49 --     |
| pyme-web/doc/gpgme/Creating-Data-Buffers.html      | 47 --     |
| pyme-web/doc/gpgme/Creating-a-Signature.html       | 143 ----- |
| pyme-web/doc/gpgme/Crypto-Engine.html              | 79 ---    |
| pyme-web/doc/gpgme/Crypto-Operations.html          | 67 ---    |
| .../doc/gpgme/Cryptographic-Message-Syntax.html    | 42 --     |
| .../doc/gpgme/Data-Buffer-I_002fO-Operations.html  | 104 ----  |
| pyme-web/doc/gpgme/Data-Buffer-Meta_002dData.html  | 100 ----  |
| pyme-web/doc/gpgme/Decrypt-and-Verify.html         | 79 ---    |
| pyme-web/doc/gpgme/Decrypt.html                    | 123 ----- |
| pyme-web/doc/gpgme/Deleting-Keys.html              | 67        |
| ---                                                |           |
| pyme-web/doc/gpgme/Destroying-Contexts.html        | 46 --     |
| pyme-web/doc/gpgme/Destroying-Data-Buffers.html    | 70 ---    |
| pyme-web/doc/gpgme/Encrypt.html                    | 45 --     |
| pyme-web/doc/gpgme/Encrypting-a-Plaintext.html     | 147 ----- |
| pyme-web/doc/gpgme/Engine-Configuration.html       | 65 ---    |
| pyme-web/doc/gpgme/Engine-Information.html         | 119 ----- |
| pyme-web/doc/gpgme/Engine-Version-Check.html       | 48 --     |
| pyme-web/doc/gpgme/Error-Codes.html                | 133 ----- |
| pyme-web/doc/gpgme/Error-Handling.html             | 72 ---    |
| pyme-web/doc/gpgme/Error-Sources.html              | 89 ----   |
| pyme-web/doc/gpgme/Error-Strings.html              | 80 ---    |
| pyme-web/doc/gpgme/Error-Values.html               | 159 ----- |
| pyme-web/doc/gpgme/Exchanging-Data.html            | 58 ---    |
| pyme-web/doc/gpgme/Exporting-Keys.html             | 101 ----  |
| pyme-web/doc/gpgme/Features.html                   | 59 ---    |
| pyme-web/doc/gpgme/File-Based-Data-Buffers.html    | 74        |
| ---                                                |           |
| pyme-web/doc/gpgme/Function-and-Data-Index.html    | 229 ----- |
| pyme-web/doc/gpgme/Generating-Keys.html            | 144 ----- |
| pyme-web/doc/gpgme/Getting-Started.html            | 55 ---    |
| pyme-web/doc/gpgme/Hash-Algorithms.html            | 59 ---    |
| pyme-web/doc/gpgme/Header.html                     | 53 --     |
| .../doc/gpgme/I_002fO-Callback-Example-GDK.html    | 85 ----   |
| .../gpgme/I_002fO-Callback-Example-GTK_002b.html   | 86 ----   |
| .../doc/gpgme/I_002fO-Callback-Example-Qt.html     | 99 ----   |
| pyme-web/doc/gpgme/I_002fO-Callback-Example.html   | 259 ----- |
| pyme-web/doc/gpgme/I_002fO-Callback-Interface.html | 142 ----- |
| pyme-web/doc/gpgme/Importing-Keys.html             | 171 ----- |
| pyme-web/doc/gpgme/Included-Certificates.html      | 70 ---    |

|                                                    |      |       |
|----------------------------------------------------|------|-------|
| pyme-web/doc/gpgme/Information-About-Keys.html     | 207  | ----- |
| .../doc/gpgme/Information-About-Trust-Items.html   | 75   | ---   |
| pyme-web/doc/gpgme/Introduction.html               | 53   | --    |
| pyme-web/doc/gpgme/Key-Listing-Mode.html           |      |       |
| 99                                                 | ---- |       |
| pyme-web/doc/gpgme/Key-Management.html             | 260  | ----- |
| pyme-web/doc/gpgme/Key-Signatures.html             | 130  | ----  |
| .../doc/gpgme/Largefile-Support-_0028LFS_0029.html | 110  | ----  |
| pyme-web/doc/gpgme/Library-Copying.html            | 542  | ----- |
| pyme-web/doc/gpgme/Library-Version-Check.html      | 97   | ----  |
| pyme-web/doc/gpgme/Listing-Keys.html               | 204  | ----- |
| pyme-web/doc/gpgme/Listing-Trust-Items.html        | 88   | ----  |
| pyme-web/doc/gpgme/Locale.html                     | 69   | ---   |
| pyme-web/doc/gpgme/Manipulating-Data-Buffers.html  | 45   | --    |
| pyme-web/doc/gpgme/Manipulating-Keys.html          | 63   | ---   |
| pyme-web/doc/gpgme/Manipulating-Trust-Items.html   | 62   | ---   |
| pyme-web/doc/gpgme/Memory-Based-Data-Buffers.html  | 107  | ----  |
| pyme-web/doc/gpgme/Multi-Threading.html            | 93   | ----  |
| pyme-web/doc/gpgme/OpenPGP.html                    | 44   | --    |
| pyme-web/doc/gpgme/Overview.html                   | 57   | ---   |
| pyme-web/doc/gpgme/Passphrase-Callback.html        |      |       |
| 101                                                | ---- |       |
| pyme-web/doc/gpgme/Preparation.html                | 54   | --    |
| pyme-web/doc/gpgme/Progress-Meter-Callback.html    | 80   | ---   |
| pyme-web/doc/gpgme/Protocol-Selection.html         | 60   | ---   |
| pyme-web/doc/gpgme/Protocols-and-Engines.html      | 82   | ----  |
| pyme-web/doc/gpgme/Public-Key-Algorithms.html      | 74   | ---   |
| .../doc/gpgme/Registering-I_002fO-Callbacks.html   | 81   | ---   |
| pyme-web/doc/gpgme/Run-Control.html                | 53   | --    |
| pyme-web/doc/gpgme/Selecting-Signers.html          | 64   | ---   |
| pyme-web/doc/gpgme/Sign.html                       | 50   | --    |
| pyme-web/doc/gpgme/Signal-Handling.html            | 61   | ---   |
| pyme-web/doc/gpgme/Signature-Notation-Data.html    | 85   | ----  |
| pyme-web/doc/gpgme/Text-Mode.html                  | 63   | ---   |
| pyme-web/doc/gpgme/Trust-Item-Management.html      | 68   | ---   |
| pyme-web/doc/gpgme/Using-Automake.html             | 74   | ---   |
| pyme-web/doc/gpgme/Using-External-Event-Loops.html | 74   | ---   |
| pyme-web/doc/gpgme/Using-Libtool.html              |      |       |
| 44                                                 | --   |       |
| pyme-web/doc/gpgme/Verify.html                     | 492  | ----- |
| pyme-web/doc/gpgme/Waiting-For-Completion.html     | 77   | ---   |
| pyme-web/doc/gpgme/index.html                      | 169  | ----- |
| pyme-web/doc/pyme/index.html                       | 164  | ----- |
| pyme-web/doc/pyme/pyme.callbacks.html              | 42   | --    |
| .../doc/pyme/pyme.constants.data.encoding.html     | 48   | --    |
| pyme-web/doc/pyme/pyme.constants.data.html         | 29   | --    |
| pyme-web/doc/pyme/pyme.constants.event.html        | 48   | --    |
| pyme-web/doc/pyme/pyme.constants.html              | 39   | --    |



```
pyme-web/doc/pyme/pyme.constants.import.html | 49 --
pyme-web/doc/pyme/pyme.constants.keylist.html | 29 --
pyme-web/doc/pyme/pyme.constants.keylist.mode.html | 49 --
pyme-web/doc/pyme/pyme.constants.md.html | 58 ---
pyme-web/doc/pyme/pyme.constants.pk.html | 50 --
pyme-web/doc/pyme/pyme.constants.protocol.html | 48 --
pyme-web/doc/pyme/pyme.constants.sig.html
| 29 --
pyme-web/doc/pyme/pyme.constants.sig.mode.html | 47 --
pyme-web/doc/pyme/pyme.constants.sigsum.html | 55 ---
pyme-web/doc/pyme/pyme.constants.status.html | 126 ----
pyme-web/doc/pyme/pyme.constants.validity.html | 50 --
pyme-web/doc/pyme/pyme.core.html | 277 -----
pyme-web/doc/pyme/pyme.errors.html | 82 ----
pyme-web/doc/pyme/pyme.html | 164 -----
pyme-web/doc/pyme/pyme.util.html | 81 ---
pyme-web/doc/pyme/pyme.version.html | 37 --
pyme-web/index.html | 72 ---
112 files changed, 10551 deletions(-)
```

commit 684d95feb7e10e538a56fb1b27f1456111bacb60  
Author: Martin Albrecht <martinralbrecht@googlemail.com>  
Date: Mon Jan 6 17:44:20 2014 +0100

fixing op\_export\_keys()

the conversion of gpgme\_key\_t [] was restricted to gpgme\_key\_t [] with the  
name recv, i.e. only  
the use-cases of encryption were covered.

see: [http://sourceforge.net/mailarchive/forum.php?forum\\_name=pyme-help&max\\_rows=25&style=nested&viewmonth=201309](http://sourceforge.net/mailarchive/forum.php?forum_name=pyme-help&max_rows=25&style=nested&viewmonth=201309)

```
pyme/gpgme.i | 6 +++---
1 file changed, 3 insertions(+), 3 deletions(-)
```

commit 658d23b95110d21eeb50abf4e74701a667521a88  
Author: Martin Albrecht <martinralbrecht@googlemail.com>  
Date: Mon Jan 6 17:41:33 2014 +0100

deleting CVSROOT

```
CVSROOT/checkoutlist | 13 -----
CVSROOT/commitinfo | 15 -----
CVSROOT/config | 21 -----
CVSROOT/cvswrappers | 19 -----
CVSROOT/editinfo | 21 -----
CVSROOT/loginfo | 26 -----
```

CVSROOT/modules | 26 -----  
CVSROOT/notify | 12 -----  
CVSROOT/rcsinfo | 13 -----  
CVSROOT/taginfo | 20 -----  
CVSROOT/verifymsg | 21 -----  
11 files changed, 207 deletions(-)

commit 576b555499c094c4786d42de9e59aa9826009b89

Author:

convert-repo <devnull@localhost>

Date: Mon Jan 6 15:22:44 2014 +0000

update tags

commit 2dcf0c5b702eb5a18c66ff1e42a72eaa7427af1d

Author: belyi <devnull@localhost>

Date: Wed Nov 26 02:38:33 2008 +0000

Move Windows specific fix from helpers.c to helpers.h so that it works  
for edit callback as well as for the passphrase one.

pyme/helpers.c | 5 -----

pyme/helpers.h | 5 +++++

2 files changed, 5 insertions(+), 5 deletions(-)

commit 42a035f2ef62470fea7a7f8ee33a1297fa90a603

Author: belyi <devnull@localhost>

Date: Mon Nov 24 21:44:30 2008 +0000

Update the way build directives are constructed on MinGW to have a bit  
more robust. Update PyMe build version to 0.8.1 in version.py

pyme/pyme/version.py | 2 +-  
pyme/setup.py | 10 ++++++---

2 files changed, 9 insertions(+), 3 deletions(-)

commit 3aaa20fbcba17066c9ffd580f5209946022793a2

Author: belyi <devnull@localhost>

Date: Mon Nov 24 06:57:11 2008 +0000

Update changelog

pyme/debian/changelog

| 5 ++++-

1 file changed, 4 insertions(+), 1 deletion(-)

commit 689ff46b2550547e3883f809a6dc40c22c3e137e

Author: belyi <devnull@localhost>

Date: Mon Nov 24 06:50:41 2008 +0000

Fix hang problem on Windows when password is written to a filehandle.  
Fix the way path is constructed on MinGW platform.

pyme/helpers.c | 5 +++++  
pyme/setup.py | 4 +++-  
2 files changed, 7 insertions(+), 2 deletions(-)

commit 852a60d541d66cb56f40378182b976fd87a02c46

Author: belyi <devnull@localhost>

Date: Sun Nov 23 04:31:31 2008 +0000

Add Bernard's example testCMSgetkey.py and his updates for  
verifydetails.py

pyme/examples/testCMSgetkey.py | 45 +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++  
pyme/examples/verifydetails.py | 43 +++++++++++++++++++++++++++++++++++++-----  
2 files changed, 77 insertions(+), 11 deletions(-)

commit f080527d9184f3360f0a8ef6136b9a188d8e7d2a

Author: belyi <devnull@localhost>

Date: Thu May 29 18:29:37 2008 +0000

Remove debian packaging for python2.3  
since it is removed from both  
testing and unstable dists.  
Update docs build target to have correct PYTHONPATH set.

pyme/Makefile | 2 +-  
pyme/debian/changelog | 4 +++-  
pyme/debian/control | 4 +++-  
pyme/debian/rules | 2 --  
4 files changed, 6 insertions(+), 6 deletions(-)

commit c25d133fcbadf3c7f6e655586b4a05d6e3cf6f0b

Author: belyi <devnull@localhost>

Date: Thu Apr 3 13:37:12 2008 +0000

Forgot to adjust mainText margin. Doing it now.

pyme-web/default.css | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit 897286a54a32336d060cd03305cdec7905f34f1

Author: belyi <devnull@localhost>

Date: Thu Apr 3 13:00:11 2008 +0000

Fix an error in default.css and make index.html "Standards Compliant".

pyme-web/default.css | 2 +-  
pyme-web/index.html | 7 +++++-  
2 files changed, 5 insertions(+), 4 deletions(-)

commit 4e049212bd214449cc0ba1ce06e00782783f328a  
Author: belyi <devnull@localhost>  
Date: Thu Apr 3 12:38:42 2008 +0000

Adjust spacing  
between links.

pyme-web/default.css | 9 ++++++---  
1 file changed, 6 insertions(+), 3 deletions(-)

commit cb2bddfbd77483b1deb14f2eab0715a03dd33fcd  
Author: belyi <devnull@localhost>  
Date: Wed Apr 2 22:50:21 2008 +0000

Make style a big more IE friendly.

pyme-web/default.css | 15 ++++++++-----  
1 file changed, 11 insertions(+), 4 deletions(-)

commit ad66f0a1bb01b46baac328e9fee439b35a60c232  
Author: belyi <devnull@localhost>  
Date: Wed Apr 2 11:58:32 2008 +0000

Make GPGME documentation a bit more web friendly on the index.html page.

pyme-web/doc/gpgme/Algorithms.html | 2 +-  
pyme-web/doc/gpgme/Concept-Index.html | 2 +-  
pyme-web/doc/gpgme/Contexts.html | 2 +-  
pyme-web/doc/gpgme/Error-Handling.html | 2 +-  
pyme-web/doc/gpgme/Exchanging-Data.html | 2 +-  
pyme-web/doc/gpgme/Function-and-Data-Index.html | 2 +-  
pyme-web/doc/gpgme/Introduction.html | 4 +-  
pyme-web/doc/gpgme/Library-Copying.html  
| 2 +-  
pyme-web/doc/gpgme/Preparation.html | 2 +-  
pyme-web/doc/gpgme/Protocols-and-Engines.html | 2 +-  
pyme-web/doc/gpgme/index.html | 229 +-----  
11 files changed, 12 insertions(+), 239 deletions(-)

commit 4f57c0ccb049d4442e7732e2d1d05dabffd2a21d  
Author: belyi <devnull@localhost>  
Date: Wed Apr 2 06:12:57 2008 +0000

Add missing core.set\_locale() to set default locale for contexts.

```
pyme/debian/changelog | 2 +-  
pyme/pyme/core.py | 4 ++++  
2 files changed, 5 insertions(+), 1 deletion(-)
```

commit acf7ead3dea8590cf9fe86b67bb125837ad6ed4f

Author: belyi <devnull@localhost>

Date: Wed Apr 2 05:50:24 2008 +0000

Avoid leaks caused by keys.  
Add set/get methods for engine info.

```
pyme/debian/changelog | 10 ++++++++  
pyme/pyme/core.py | 24 ++++++++  
2 files changed, 34 insertions(+)
```

commit df4a2fb518adbb6420d95ce74af212c87abff7e7

Author: belyi <devnull@localhost>

Date: Wed Apr 2

04:04:41 2008 +0000

Update index.html to reflect new versions on the web.

```
pyme-web/Makefile | 3 +-  
pyme-web/doc/gpgme/index.html | 4 +---  
pyme-web/index.html | 4 +-  
3 files changed, 5 insertions(+), 6 deletions(-)
```

commit bd3ffc9bdf98d6aafde6b689c6c8215fa468612d

Author: belyi <devnull@localhost>

Date: Wed Apr 2 04:01:04 2008 +0000

Update PyMe documentation to match 0.8.0 version of the package.

```
pyme-web/doc/pyme/index.html | 14 ++++-----  
pyme-web/doc/pyme/pyme.constants.keylist.mode.html | 1 +  
pyme-web/doc/pyme/pyme.constants.protocol.html | 4 +-  
pyme-web/doc/pyme/pyme.constants.status.html | 9 ++++++  
pyme-web/doc/pyme/pyme.core.html | 36 ++++++++  
pyme-web/doc/pyme/pyme.errors.html | 8 +---  
pyme-web/doc/pyme/pyme.html | 14 ++++-----  
pyme-web/doc/pyme/pyme.util.html | 17 ++++++++  
pyme-web/doc/pyme/pyme.version.html  
| 14 ++++-----  
9 files changed, 82 insertions(+), 35 deletions(-)
```

commit 6973a69a317608a0d0661590d701f4e3f3a21b32

Author: belyi <devnull@localhost>

Date: Wed Apr 2 02:35:24 2008 +0000

Have a fix for Contents being put onto 'Function and Data Index' page.

```
pyme-web/doc/gpgme/Concept-Index.html      | 2 +-
pyme-web/doc/gpgme/Function-and-Data-Index.html | 153 +-----
pyme-web/doc/gpgme/index.html              | 154 ++++++
3 files changed, 155 insertions(+), 154 deletions(-)
```

commit 086315964cbc2abad1187f306dcb9c72ac3257f3

Author: belyi <devnull@localhost>

Date: Wed Apr 2 01:00:29 2008 +0000

Update GPGME documentation. It's for v1.1.6 now.

```
pyme-web/doc/gpgme/ASCII-Armor.html        | 57 ++
pyme-web/doc/gpgme/Advanced-Key-Editing.html | 98 +++
pyme-web/doc/gpgme/Algorithms.html         | 47 ++
pyme-web/doc/gpgme/Building-the-Source.html | 82 +++
.../doc/gpgme/Callback-Based-Data-Buffers.html
| 148 +++++
pyme-web/doc/gpgme/Cancellation.html       | 67 ++
pyme-web/doc/gpgme/Concept-Index.html     | 186 ++++++
pyme-web/doc/gpgme/Context-Attributes.html | 52 ++
pyme-web/doc/gpgme/Contexts.html          | 61 ++
pyme-web/doc/gpgme/Creating-Contexts.html  | 49 ++
pyme-web/doc/gpgme/Creating-Data-Buffers.html | 47 ++
pyme-web/doc/gpgme/Creating-a-Signature.html | 143 +++++
pyme-web/doc/gpgme/Crypto-Engine.html     | 79 +++
pyme-web/doc/gpgme/Crypto-Operations.html  | 67 ++
.../doc/gpgme/Cryptographic-Message-Syntax.html | 42 ++
.../doc/gpgme/Data-Buffer-I_002fO-Operations.html | 104 +++++
pyme-web/doc/gpgme/Data-Buffer-Meta_002dData.html | 100 +++
pyme-web/doc/gpgme/Decrypt-and-Verify.html | 79 +++
pyme-web/doc/gpgme/Decrypt.html           | 123 +++++
pyme-web/doc/gpgme/Deleting-Keys.html     | 67 ++
pyme-web/doc/gpgme/Destroying-Contexts.html
| 46 ++
pyme-web/doc/gpgme/Destroying-Data-Buffers.html | 70 +++
pyme-web/doc/gpgme/Encrypt.html           | 45 ++
pyme-web/doc/gpgme/Encrypting-a-Plaintext.html | 147 ++++++
pyme-web/doc/gpgme/Engine-Configuration.html | 65 ++
pyme-web/doc/gpgme/Engine-Information.html  | 119 +++++
pyme-web/doc/gpgme/Engine-Version-Check.html | 48 ++
pyme-web/doc/gpgme/Error-Codes.html       | 133 +++++
pyme-web/doc/gpgme/Error-Handling.html    | 72 +++
```

pyme-web/doc/gpgme/Error-Sources.html | 89 +++  
 pyme-web/doc/gpgme/Error-Strings.html | 80 +++  
 pyme-web/doc/gpgme/Error-Values.html | 159 +++++  
 pyme-web/doc/gpgme/Exchanging-Data.html | 58 ++  
 pyme-web/doc/gpgme/Exporting-Keys.html | 101 +++  
 pyme-web/doc/gpgme/Features.html | 59 ++  
 pyme-web/doc/gpgme/File-Based-Data-Buffers.html | 74 +++  
 pyme-web/doc/gpgme/Function-and-Data-Index.html  
 | 380 ++++++  
 pyme-web/doc/gpgme/Generating-Keys.html | 144 +++++  
 pyme-web/doc/gpgme/Getting-Started.html | 55 ++  
 pyme-web/doc/gpgme/Hash-Algorithms.html | 59 ++  
 pyme-web/doc/gpgme/Header.html | 53 ++  
 ../doc/gpgme/I\_002fO-Callback-Example-GDK.html | 85 +++  
 ../gpgme/I\_002fO-Callback-Example-GTK\_002b.html | 86 +++  
 ../doc/gpgme/I\_002fO-Callback-Example-Qt.html | 99 +++  
 pyme-web/doc/gpgme/I\_002fO-Callback-Example.html | 259 ++++++  
 pyme-web/doc/gpgme/I\_002fO-Callback-Interface.html | 142 +++++  
 pyme-web/doc/gpgme/Importing-Keys.html | 171 +++++  
 pyme-web/doc/gpgme/Included-Certificates.html | 70 +++  
 pyme-web/doc/gpgme/Information-About-Keys.html | 207 ++++++  
 ../doc/gpgme/Information-About-Trust-Items.html | 75 +++  
 pyme-web/doc/gpgme/Introduction.html | 53 ++  
 pyme-web/doc/gpgme/Key-Listing-Mode.html | 99 +++  
 pyme-web/doc/gpgme/Key-Management.html  
 | 260 ++++++  
 pyme-web/doc/gpgme/Key-Signatures.html | 130 ++++  
 ../doc/gpgme/Largefile-Support-\_0028LFS\_0029.html | 110 ++++  
 pyme-web/doc/gpgme/Library-Copying.html | 542 ++++++  
 pyme-web/doc/gpgme/Library-Version-Check.html | 97 +++  
 pyme-web/doc/gpgme/Listing-Keys.html | 204 ++++++  
 pyme-web/doc/gpgme/Listing-Trust-Items.html | 88 +++  
 pyme-web/doc/gpgme/Locale.html | 69 +++  
 pyme-web/doc/gpgme/Manipulating-Data-Buffers.html | 45 ++  
 pyme-web/doc/gpgme/Manipulating-Keys.html | 63 ++  
 pyme-web/doc/gpgme/Manipulating-Trust-Items.html | 62 ++  
 pyme-web/doc/gpgme/Memory-Based-Data-Buffers.html | 107 ++++  
 pyme-web/doc/gpgme/Multi-Threading.html | 93 +++  
 pyme-web/doc/gpgme/OpenPGP.html | 44 ++  
 pyme-web/doc/gpgme/Overview.html | 57 ++  
 pyme-web/doc/gpgme/Passphrase-Callback.html | 101 +++  
 pyme-web/doc/gpgme/Preparation.html  
 | 54 ++  
 pyme-web/doc/gpgme/Progress-Meter-Callback.html | 80 +++  
 pyme-web/doc/gpgme/Protocol-Selection.html | 60 ++  
 pyme-web/doc/gpgme/Protocols-and-Engines.html | 82 +++  
 pyme-web/doc/gpgme/Public-Key-Algorithms.html | 74 +++  
 ../doc/gpgme/Registering-I\_002fO-Callbacks.html | 81 +++

|                                                    |            |
|----------------------------------------------------|------------|
| pyme-web/doc/gpgme/Run-Control.html                | 53 ++      |
| pyme-web/doc/gpgme/Selecting-Signers.html          | 64 ++      |
| pyme-web/doc/gpgme/Sign.html                       | 50 ++      |
| pyme-web/doc/gpgme/Signal-Handling.html            | 61 ++      |
| pyme-web/doc/gpgme/Signature-Notation-Data.html    | 85 +++     |
| pyme-web/doc/gpgme/Text-Mode.html                  | 63 ++      |
| pyme-web/doc/gpgme/Trust-Item-Management.html      | 68 ++      |
| pyme-web/doc/gpgme/Using-Automake.html             | 74 +++     |
| pyme-web/doc/gpgme/Using-External-Event-Loops.html | 74 +++     |
| pyme-web/doc/gpgme/Using-Libtool.html              | 44 ++      |
| pyme-web/doc/gpgme/Verify.html                     | 492 ++++++ |
| pyme-web/doc/gpgme/Waiting-For-Completion.html     | 77 +++     |
| pyme-web/doc/gpgme/gpgme.html                      | 251 -----  |
| pyme-web/doc/gpgme/gpgme_1.html                    | 76 ---     |
| pyme-web/doc/gpgme/gpgme_10.html                   | 61 --      |
| pyme-web/doc/gpgme/gpgme_11.html                   | 130 ----   |
| pyme-web/doc/gpgme/gpgme_12.html                   | 82 ---     |
| pyme-web/doc/gpgme/gpgme_13.html                   | 130 ----   |
| pyme-web/doc/gpgme/gpgme_14.html                   | 108 ----   |
| pyme-web/doc/gpgme/gpgme_15.html                   | 69 ---     |
| pyme-web/doc/gpgme/gpgme_16.html                   | 169 -----  |
| pyme-web/doc/gpgme/gpgme_17.html                   | 63 --      |
| pyme-web/doc/gpgme/gpgme_18.html                   | 63 --      |
| pyme-web/doc/gpgme/gpgme_19.html                   | 66 --      |
| pyme-web/doc/gpgme/gpgme_2.html                    | 79 ---     |
| pyme-web/doc/gpgme/gpgme_20.html                   | 120 ----   |
| pyme-web/doc/gpgme/gpgme_21.html                   | 102 ---    |
| pyme-web/doc/gpgme/gpgme_22.html                   | 108 ----   |
| pyme-web/doc/gpgme/gpgme_23.html                   | 237 -----  |
| pyme-web/doc/gpgme/gpgme_24.html                   | 154 ----   |
| pyme-web/doc/gpgme/gpgme_25.html                   | 248 -----  |
| pyme-web/doc/gpgme/gpgme_26.html                   | 107 ----   |
| pyme-web/doc/gpgme/gpgme_27.html                   | 80 ---     |
| pyme-web/doc/gpgme/gpgme_28.html                   | 67 --      |
| pyme-web/doc/gpgme/gpgme_29.html                   | 164 ----   |
| pyme-web/doc/gpgme/gpgme_3.html                    | 86 ---     |
| pyme-web/doc/gpgme/gpgme_30.html                   | 106 ----   |
| pyme-web/doc/gpgme/gpgme_31.html                   | 232 -----  |
| pyme-web/doc/gpgme/gpgme_32.html                   | 85 ---     |
| pyme-web/doc/gpgme/gpgme_33.html                   | 223 -----  |
| pyme-web/doc/gpgme/gpgme_34.html                   | 83 ---     |
| pyme-web/doc/gpgme/gpgme_35.html                   | 70 ---     |
| pyme-web/doc/gpgme/gpgme_36.html                   | 63 --      |
| pyme-web/doc/gpgme/gpgme_37.html                   | 66 --      |
| pyme-web/doc/gpgme/gpgme_38.html                   | 86 ---     |



|                                  |           |
|----------------------------------|-----------|
| pyme-web/doc/gpgme/gpgme_39.html | 79 ---    |
| pyme-web/doc/gpgme/gpgme_4.html  | 83 ---    |
| pyme-web/doc/gpgme/gpgme_40.html | 89 ---    |
| pyme-web/doc/gpgme/gpgme_41.html | 99 ---    |
| pyme-web/doc/gpgme/gpgme_42.html | 144 ----  |
| pyme-web/doc/gpgme/gpgme_43.html | 152 ----  |
| pyme-web/doc/gpgme/gpgme_44.html | 112 ----  |
| pyme-web/doc/gpgme/gpgme_45.html | 101 ---   |
| pyme-web/doc/gpgme/gpgme_46.html | 459 ----- |
| pyme-web/doc/gpgme/gpgme_47.html | 292 ----- |
| pyme-web/doc/gpgme/gpgme_48.html | 363 ----- |
| pyme-web/doc/gpgme/gpgme_49.html | 209 ----- |
| pyme-web/doc/gpgme/gpgme_5.html  | 74 ---    |
| pyme-web/doc/gpgme/gpgme_50.html | 88 ---    |
| pyme-web/doc/gpgme/gpgme_51.html | 208 ----- |
| pyme-web/doc/gpgme/gpgme_52.html | 154 ----  |
| pyme-web/doc/gpgme/gpgme_53.html | 291 ----- |
| pyme-web/doc/gpgme/gpgme_54.html | 91 ---    |
| pyme-web/doc/gpgme/gpgme_55.html | 107 ----  |
| pyme-web/doc/gpgme/gpgme_56.html | 140 ----  |
| pyme-web/doc/gpgme/gpgme_57.html | 106 ----  |
| pyme-web/doc/gpgme/gpgme_58.html | 89 ---    |
| pyme-web/doc/gpgme/gpgme_59.html | 97 ---    |
| pyme-web/doc/gpgme/gpgme_6.html  | 77 ---    |
| pyme-web/doc/gpgme/gpgme_60.html | 142 ----  |
| pyme-web/doc/gpgme/gpgme_61.html | 626 ----- |
| pyme-web/doc/gpgme/gpgme_62.html | 107 ----  |
| pyme-web/doc/gpgme/gpgme_63.html | 67 --     |
| pyme-web/doc/gpgme/gpgme_64.html | 95 ---    |
| pyme-web/doc/gpgme/gpgme_65.html | 233 ----- |
| pyme-web/doc/gpgme/gpgme_66.html | 65 --     |
| pyme-web/doc/gpgme/gpgme_67.html | 220 ----- |
| pyme-web/doc/gpgme/gpgme_68.html | 75 ---    |
| pyme-web/doc/gpgme/gpgme_69.html | 119 ----  |
| pyme-web/doc/gpgme/gpgme_7.html  | 123 ----  |
| pyme-web/doc/gpgme/gpgme_70.html | 107 ----  |
| pyme-web/doc/gpgme/gpgme_71.html | 218 ----- |
| pyme-web/doc/gpgme/gpgme_72.html | 134 ----  |
| pyme-web/doc/gpgme/gpgme_73.html | 299 ----- |
| pyme-web/doc/gpgme/gpgme_74.html | 103 ----  |
| pyme-web/doc/gpgme/gpgme_75.html | 104 ----  |
| pyme-web/doc/gpgme/gpgme_76.html | 118 ----  |
| pyme-web/doc/gpgme/gpgme_77.html | 95 ---    |
| pyme-web/doc/gpgme/gpgme_78.html | 71 ---    |
| pyme-web/doc/gpgme/gpgme_79.html | 686 ----- |
| pyme-web/doc/gpgme/gpgme_8.html  | 155 ----  |

```

pyme-web/doc/gpgme/gpgme_80.html      | 120 ----
pyme-web/doc/gpgme/gpgme_81.html      | 278 -----
pyme-web/doc/gpgme/gpgme_82.html      | 272 -----
pyme-web/doc/gpgme/gpgme_83.html      | 180 -----
pyme-web/doc/gpgme/gpgme_84.html      | 99 ---
pyme-web/doc/gpgme/gpgme_9.html       | 104 ----
pyme-web/doc/gpgme/gpgme_abt.html     | 206 -----
pyme-web/doc/gpgme/gpgme_fot.html     | 53 --
pyme-web/doc/gpgme/gpgme_ovr.html     | 68 --
pyme-web/doc/gpgme/gpgme_toc.html     | 247 -----
pyme-web/doc/gpgme/index.html         | 497 ++++++++-----
176 files changed, 9054 insertions(+), 13378 deletions(-)

```

commit 163c1053dc761682f5a4231da163bdd0ff7162d7

Author: belyi <devnull@localhost>

Date:

Tue Apr 1 21:14:29 2008 +0000

Update Home page to be a bit more visitor friendly.

```

pyme-web/Makefile | 2 +-
pyme-web/default.css | 27 ++++++++
pyme-web/index.html | 70 ++++++++-----
3 files changed, 75 insertions(+), 24 deletions(-)

```

commit 05db2d17d8fda0ab8c948bbdc0643dfc1466830d

Author: belyi <devnull@localhost>

Date: Sun Mar 30 21:27:38 2008 +0000

Add a rule to build binary distribution for Windows.

```

pyme/Makefile | 16 ++++++++
1 file changed, 14 insertions(+), 2 deletions(-)

```

commit 57acb1089f5f8c24323ee62fc0a7f492a496b9c0

Author: belyi <devnull@localhost>

Date: Sat Mar 29 22:50:11 2008 +0000

Switch to using central location for python files (pycentral)

Update docs rule to fix location of the python source files.

```

pyme/Makefile | 5 +++-
pyme/debian/changelog | 4 +-
pyme/debian/control | 74 +++++-----
pyme/debian/dirs
| 2 --
pyme/debian/docs | 1 +
pyme/debian/postinst.ex | 48 -----

```

```
pyme/debian/postrm.ex | 38 -----
pyme/debian/preinst.ex | 44 -----
pyme/debian/prerm.ex | 39 -----
pyme/debian/rules | 50 +++++-----
pyme/debian/setup.cfg-2.2 | 8 ----
pyme/debian/setup.cfg-2.3 | 8 ----
pyme/debian/setup.cfg-2.4 | 8 ----
pyme/gpgme-h-clean.py | 2 +-
pyme/pyme/core.py | 2 +-
pyme/pyme/util.py | 2 +-
16 files changed, 28 insertions(+), 307 deletions(-)
```

commit 2b56fd10517cfbcffaa4ba98d8ea42f40f0d38a9

Author: belyi <devnull@localhost>

Date: Sun Mar 23 02:01:12 2008 +0000

Turn SWIG's autodoc feature on. Ignore 'next' in the types which are lists now.  
Use new style for class declarations. Specify None as a default value for  
core.check\_version() method. Update version.py for 0.8.0 version.

```
pyme/examples/pygpa.py
| 2 +-
pyme/gpgme.i | 5 +++++
pyme/pyme/core.py | 2 +-
pyme/pyme/util.py | 5 +++--
pyme/pyme/version.py | 6 +++--
5 files changed, 13 insertions(+), 7 deletions(-)
```

commit df5e25d7ee4dc0aa0d429f9d009322dd8ac33bb8

Author: belyi <devnull@localhost>

Date: Thu Mar 20 19:07:00 2008 +0000

Improve matching for DEPRECATED typedefs

```
pyme/gpgme-h-clean.py | 4 +++-
1 file changed, 2 insertions(+), 2 deletions(-)
```

commit 78d8fc732848ac267ec65e9069265cd500587cdf

Author: belyi <devnull@localhost>

Date: Wed Mar 19 19:28:40 2008 +0000

Update API to use list when types containing 'next' field are return.  
Update examples accordingly  
Add verifydetails.py example  
Start adding bullets for 0.8.0 version.

```
pyme/Makefile | 2 +-
pyme/debian/changelog | 14 +++++++-
```

```
pyme/examples/PyGtkGpgKeys.py | 53 ++++++-----
pyme/examples/delkey.py      | 7 +---
pyme/examples/encrypt-to-all.py | 7 +---
pyme/examples/exportimport.py | 7 +---
pyme/examples/pygpa.py      | 70 ++++++-----
pyme/examples/signverify.py  | 11 +-----
pyme/examples/verifydetails.py | 79 ++++++-----
pyme/gpgme.i                | 19 ++++++---
10 files changed, 180 insertions(+), 89 deletions(-)
```

commit 342d85b07475e7360bcd62804bf5facda039494f

Author: belyi <devnull@localhost>

Date: Mon Mar 10 01:14:16 2008 +0000

Change references to source files so that they point to the WebCVS browse location.

```
pyme-web/doc/pyme/index.html | 2 +-
pyme-web/doc/pyme/pyme.callbacks.html | 2 +-
pyme-web/doc/pyme/pyme.constants.data.encoding.html | 2 +-
pyme-web/doc/pyme/pyme.constants.data.html | 2 +-
pyme-web/doc/pyme/pyme.constants.event.html | 2 +-
pyme-web/doc/pyme/pyme.constants.html | 2 +-
pyme-web/doc/pyme/pyme.constants.import.html | 2 +-
pyme-web/doc/pyme/pyme.constants.keylist.html
| 2 +-
pyme-web/doc/pyme/pyme.constants.keylist.mode.html | 2 +-
pyme-web/doc/pyme/pyme.constants.md.html | 2 +-
pyme-web/doc/pyme/pyme.constants.pk.html | 2 +-
pyme-web/doc/pyme/pyme.constants.protocol.html | 2 +-
pyme-web/doc/pyme/pyme.constants.sig.html | 2 +-
pyme-web/doc/pyme/pyme.constants.sig.mode.html | 2 +-
pyme-web/doc/pyme/pyme.constants.sigsum.html | 2 +-
pyme-web/doc/pyme/pyme.constants.status.html | 2 +-
pyme-web/doc/pyme/pyme.constants.validity.html | 2 +-
pyme-web/doc/pyme/pyme.core.html | 2 +-
pyme-web/doc/pyme/pyme.errors.html | 2 +-
pyme-web/doc/pyme/pyme.html | 2 +-
pyme-web/doc/pyme/pyme.util.html | 2 +-
pyme-web/doc/pyme/pyme.version.html | 2 +-
22 files changed, 22 insertions(+), 22 deletions(-)
```

commit 4139dd1d066c1a6c892d84fe45dc3e6c4aa1b803

Author: belyi

<devnull@localhost>

Date: Sat Mar 8 18:21:08 2008 +0000

Add core.check\_version(None) to all examples since this function is used by

Gpgme to do internal initialization. Update debian/rules to use dh\_pysupport instead of deprecated dh\_python.

```
pyme/debian/rules          | 8 +++-----
pyme/examples/PyGtkGpgKeys.py | 7 ++++++
pyme/examples/delkey.py    | 2 ++
pyme/examples/encrypt-to-all.py | 3 +++
pyme/examples/exportimport.py | 2 ++
pyme/examples/genkey.py    | 1 +
pyme/examples/inter-edit.py | 3 +++
pyme/examples/pygpa.py     | 5 ++++++
pyme/examples/sign.py      | 2 ++
pyme/examples/signverify.py | 2 ++
pyme/examples/simple.py    | 2 ++
pyme/examples/t-edit.py    | 3 +++
12 files changed, 34 insertions(+), 6 deletions(-)
```

commit ae76c6176457dd38e0634cbc17d794294a3a81d2

Author: belyi <devnull@localhost>

Date: Wed Apr 12 22:20:38 2006 +0000

Change name of internal package name from 'gpgme' to 'pygpgme' to avoid conflict with gpgme.dll on Windows.

Fix build with SWIG 1.3.28.

Change version to 0.7.1 in a preparation for new release.

```
pyme/Makefile             | 3 +-
pyme/debian/changelog     | 12 +++++
pyme/gpgme.i              | 19 +++---
pyme/pyme/callbacks.py    | 1 -
pyme/pyme/core.py         | 153 ++++++-----
pyme/pyme/errors.py       | 12 ++--
pyme/pyme/util.py         | 10 ++--
pyme/pyme/version.py      | 2 +-
pyme/setup.py             | 4 +-
9 files changed, 116 insertions(+), 100 deletions(-)
```

commit d644383a76e9f83bc2d426628319e3c4a989dc2d

Author: belyi <devnull@localhost>

Date: Sat Dec 17 01:34:53 2005 +0000

Put all constants into pyme.constants package to avoid stepping on python reserved words.

Add build rules for Mingw32 and Cygwin on Windows. Rules for Mingw under Debian are still to come.

Fixed a small bug in pygpa.py example.

```
pyme/Makefile             | 11 ++++++-----
```

```
pyme/examples/pygpa.py
| 3 ++-
pyme/pyme/__init__.py      | 2 +-
pyme/pyme/constants/__init__.py | 3 +++
pyme/setup.py              | 42 ++++++-----
5 files changed, 51 insertions(+), 10 deletions(-)
```

commit 89eb370fcaa8adc9d219eadbaa579dde7bf06329

Author: belyi <devnull@localhost>

Date: Mon Aug 1 03:08:32 2005 +0000

Imported changes provided by Joost van Baal:

Use dh\_python in debian/rules and change the Section pyme belongs to from 'libs' to 'python'.

```
pyme/debian/control | 6 +++---
pyme/debian/rules  | 2 ++
2 files changed, 5 insertions(+), 3 deletions(-)
```

commit ad76d10c2a77b45b7459c62131279e946b860891

Author: belyi <devnull@localhost>

Date: Fri Jun 10 03:01:22 2005 +0000

Update 'docs' rule in Makefile to build packages first to ensure that documentation is build for the current version of pyme and not for the installed one.

Added 'callbacks' into the list of visible pyme modules (\_\_all\_\_ var.)

Slightly updated INSTALL file.

```
pyme/INSTALL      | 11 ++++++-----
pyme/Makefile     | 4 +++-
pyme/pyme/__init__.py | 2 +-
3 files changed, 11 insertions(+), 6 deletions(-)
```

commit 2fe1a81e00721698bfa6850b3db2eb85e43d1724

Author: belyi <devnull@localhost>

Date: Wed Jun 8 16:16:18 2005 +0000

Update pyme documentation to remove dead links to pyme.gpgme.html and pyme.\_gpgme.html

Added reference to the installed GPGME and PyMe documentation to the head web page.

Updated Makefile to install all \*.html files and to clean \*~ files in all subdirectories

```
pyme-web/Makefile          | 10 ++++++----
pyme-web/doc/pyme/index.html      | 8 +++-----
pyme-web/doc/pyme/pyme.callbacks.html | 8 -----
pyme-web/doc/pyme/pyme.core.html  | 1 -
pyme-web/doc/pyme/pyme.errors.html | 8 -----
pyme-web/doc/pyme/pyme.html       | 8 +++-----
pyme-web/doc/pyme/pyme.util.html  | 8 -----
pyme-web/index.html             | 9 ++++++----
```

8 files

changed, 19 insertions(+), 41 deletions(-)

commit 6aa34cce4ea0099e50b4936dfee59778157b8ca8

Author: belyi <devnull@localhost>

Date: Wed Jun 8 15:18:20 2005 +0000

Added pyme and gpgme documentation.

```
pyme-web/doc/gpgme/gpgme.html      | 251 ++++++++
pyme-web/doc/gpgme/gpgme_1.html    | 76 +++
pyme-web/doc/gpgme/gpgme_10.html   | 61 ++
pyme-web/doc/gpgme/gpgme_11.html   | 130 ++++
pyme-web/doc/gpgme/gpgme_12.html   | 82 +++
pyme-web/doc/gpgme/gpgme_13.html   | 130 ++++
pyme-web/doc/gpgme/gpgme_14.html   | 108 ++++
pyme-web/doc/gpgme/gpgme_15.html   | 69 +++
pyme-web/doc/gpgme/gpgme_16.html   | 169 ++++++
pyme-web/doc/gpgme/gpgme_17.html   | 63 ++
pyme-web/doc/gpgme/gpgme_18.html   | 63 ++
pyme-web/doc/gpgme/gpgme_19.html   | 66 ++
pyme-web/doc/gpgme/gpgme_2.html    | 79 +++
pyme-web/doc/gpgme/gpgme_20.html   | 120 ++++
pyme-web/doc/gpgme/gpgme_21.html   | 102 +++
pyme-web/doc/gpgme/gpgme_22.html   | 108 ++++
pyme-web/doc/gpgme/gpgme_23.html   | 237 ++++++
pyme-web/doc/gpgme/gpgme_24.html   | 154 ++++++
pyme-web/doc/gpgme/gpgme_25.html   | 248 ++++++
pyme-web/doc/gpgme/gpgme_26.html   | 107 ++++
pyme-web/doc/gpgme/gpgme_27.html   | 80 +++
pyme-web/doc/gpgme/gpgme_28.html   | 67 ++
pyme-web/doc/gpgme/gpgme_29.html   | 164 ++++++
pyme-web/doc/gpgme/gpgme_3.html    | 86 +++
pyme-web/doc/gpgme/gpgme_30.html   | 106 ++++
pyme-web/doc/gpgme/gpgme_31.html   | 232 ++++++
pyme-web/doc/gpgme/gpgme_32.html   | 85 +++
pyme-web/doc/gpgme/gpgme_33.html   | 223 ++++++
pyme-web/doc/gpgme/gpgme_34.html
```

|                                  |            |
|----------------------------------|------------|
| pyme-web/doc/gpgme/gpgme_35.html | 70 +++     |
| pyme-web/doc/gpgme/gpgme_36.html | 63 ++      |
| pyme-web/doc/gpgme/gpgme_37.html | 66 ++      |
| pyme-web/doc/gpgme/gpgme_38.html | 86 +++     |
| pyme-web/doc/gpgme/gpgme_39.html | 79 +++     |
| pyme-web/doc/gpgme/gpgme_4.html  | 83 +++     |
| pyme-web/doc/gpgme/gpgme_40.html | 89 +++     |
| pyme-web/doc/gpgme/gpgme_41.html | 99 +++     |
| pyme-web/doc/gpgme/gpgme_42.html | 144 +++++  |
| pyme-web/doc/gpgme/gpgme_43.html | 152 +++++  |
| pyme-web/doc/gpgme/gpgme_44.html | 112 +++++  |
| pyme-web/doc/gpgme/gpgme_45.html | 101 +++    |
| pyme-web/doc/gpgme/gpgme_46.html | 459 ++++++ |
| pyme-web/doc/gpgme/gpgme_47.html | 292 +++++  |
| pyme-web/doc/gpgme/gpgme_48.html | 363 +++++  |
| pyme-web/doc/gpgme/gpgme_49.html |            |
|                                  | 209 +++++  |
| pyme-web/doc/gpgme/gpgme_5.html  | 74 +++     |
| pyme-web/doc/gpgme/gpgme_50.html | 88 +++     |
| pyme-web/doc/gpgme/gpgme_51.html | 208 +++++  |
| pyme-web/doc/gpgme/gpgme_52.html | 154 +++++  |
| pyme-web/doc/gpgme/gpgme_53.html | 291 +++++  |
| pyme-web/doc/gpgme/gpgme_54.html | 91 +++     |
| pyme-web/doc/gpgme/gpgme_55.html | 107 +++++  |
| pyme-web/doc/gpgme/gpgme_56.html | 140 +++++  |
| pyme-web/doc/gpgme/gpgme_57.html | 106 +++++  |
| pyme-web/doc/gpgme/gpgme_58.html | 89 +++     |
| pyme-web/doc/gpgme/gpgme_59.html | 97 +++     |
| pyme-web/doc/gpgme/gpgme_6.html  | 77 +++     |
| pyme-web/doc/gpgme/gpgme_60.html | 142 +++++  |
| pyme-web/doc/gpgme/gpgme_61.html | 626 +++++  |
| pyme-web/doc/gpgme/gpgme_62.html |            |
|                                  | 107 +++++  |
| pyme-web/doc/gpgme/gpgme_63.html | 67 ++      |
| pyme-web/doc/gpgme/gpgme_64.html | 95 +++     |
| pyme-web/doc/gpgme/gpgme_65.html | 233 +++++  |
| pyme-web/doc/gpgme/gpgme_66.html | 65 ++      |
| pyme-web/doc/gpgme/gpgme_67.html | 220 +++++  |
| pyme-web/doc/gpgme/gpgme_68.html | 75 +++     |
| pyme-web/doc/gpgme/gpgme_69.html | 119 +++++  |
| pyme-web/doc/gpgme/gpgme_7.html  | 123 +++++  |
| pyme-web/doc/gpgme/gpgme_70.html | 107 +++++  |
| pyme-web/doc/gpgme/gpgme_71.html | 218 +++++  |
| pyme-web/doc/gpgme/gpgme_72.html | 134 +++++  |
| pyme-web/doc/gpgme/gpgme_73.html | 299 +++++  |
| pyme-web/doc/gpgme/gpgme_74.html | 103 +++++  |
| pyme-web/doc/gpgme/gpgme_75.html | 104 +++++  |



```

pyme-web/doc/gpgme/gpgme_76.html      | 118 ++++
pyme-web/doc/gpgme/gpgme_77.html
    | 95 +++
pyme-web/doc/gpgme/gpgme_78.html      | 71 +++
pyme-web/doc/gpgme/gpgme_79.html      | 686 ++++++
pyme-web/doc/gpgme/gpgme_8.html       | 155 +++++
pyme-web/doc/gpgme/gpgme_80.html      | 120 ++++
pyme-web/doc/gpgme/gpgme_81.html      | 278 ++++++
pyme-web/doc/gpgme/gpgme_82.html      | 272 ++++++
pyme-web/doc/gpgme/gpgme_83.html      | 180 +++++
pyme-web/doc/gpgme/gpgme_84.html      | 99 +++
pyme-web/doc/gpgme/gpgme_9.html       | 104 ++++
pyme-web/doc/gpgme/gpgme_abt.html     | 206 ++++++
pyme-web/doc/gpgme/gpgme_fot.html     | 53 ++
pyme-web/doc/gpgme/gpgme_ovr.html     | 68 ++
pyme-web/doc/gpgme/gpgme_toc.html     | 247 ++++++
pyme-web/doc/gpgme/index.html         | 251 ++++++
pyme-web/doc/pyme/index.html
    | 166 +++++
pyme-web/doc/pyme/pyme.callbacks.html  | 50 ++
../doc/pyme/pyme.constants.data.encoding.html | 48 ++
pyme-web/doc/pyme/pyme.constants.data.html | 29 +
pyme-web/doc/pyme/pyme.constants.event.html | 48 ++
pyme-web/doc/pyme/pyme.constants.html | 39 ++
pyme-web/doc/pyme/pyme.constants.import.html | 49 ++
pyme-web/doc/pyme/pyme.constants.keylist.html | 29 +
pyme-web/doc/pyme/pyme.constants.keylist.mode.html | 48 ++
pyme-web/doc/pyme/pyme.constants.md.html | 58 ++
pyme-web/doc/pyme/pyme.constants.pk.html | 50 ++
pyme-web/doc/pyme/pyme.constants.protocol.html | 46 ++
pyme-web/doc/pyme/pyme.constants.sig.html | 29 +
pyme-web/doc/pyme/pyme.constants.sig.mode.html | 47 ++
pyme-web/doc/pyme/pyme.constants.sigsum.html | 55 ++
pyme-web/doc/pyme/pyme.constants.status.html | 117 ++++
pyme-web/doc/pyme/pyme.constants.validity.html | 50 ++
pyme-web/doc/pyme/pyme.core.html
    | 254 ++++++
pyme-web/doc/pyme/pyme.errors.html     | 90 +++
pyme-web/doc/pyme/pyme.html            | 166 +++++
pyme-web/doc/pyme/pyme.util.html       | 78 +++
pyme-web/doc/pyme/pyme.version.html    | 37 ++
pyme-web/index.html                   | 6 +-

```

113 files changed, 14966 insertions(+), 1 deletion(-)

commit 2d6fe54479f042644f7b0f3d2fe35877d2056144

Author: belyi <devnull@localhost>

Date: Thu May 19 02:06:09 2005 +0000

Added INSTALL file.

pyme/INSTALL | 10 ++++++++  
1 file changed, 10 insertions(+)

commit d6892fff0c3cedf41dba4c25ab8608e7f2bc039c  
Author: belyi <devnull@localhost>  
Date: Tue May 17 16:49:28 2005 +0000

Update copyright note on simple.py

pyme/examples/simple.py | 4 +---  
1 file changed, 2 insertions(+), 2 deletions(-)

commit c2cd9cdf5995843aad7b200b929db2969effc9d2  
Author: belyi <devnull@localhost>  
Date: Tue May 17 15:03:58 2005  
+0000

Update simple.py to catch errors.

pyme/examples/simple.py | 17 ++++++++-----  
1 file changed, 11 insertions(+), 6 deletions(-)

commit eaedae7c6a0ea993caab067efe781a59b6769c44  
Author: belyi <devnull@localhost>  
Date: Tue May 17 01:18:23 2005 +0000

Added 'PYTHON = python' into Makefile for bug #1199122

pyme/Makefile | 1 +  
pyme/examples/signverify.py | 1 +  
2 files changed, 2 insertions(+)

commit 56fd244bb2636a4d58629899ea3cde1d96428198  
Author: belyi <devnull@localhost>  
Date: Wed Apr 27 21:37:06 2005 +0000

Added pygpa example.

pyme/debian/changelog | 3 +-  
pyme/examples/pygpa.glade | 5546 +++++  
pyme/examples/pygpa.py | 1459 +++++  
3 files changed, 7007 insertions(+), 1 deletion(-)

commit 2d9a2a91a59ac3fee5410c953b7e0859e9e7cd35  
Author: belyi <devnull@localhost>  
Date: Thu Apr 21 15:17:51 2005 +0000

Change version to 0.7.0 due to the change in license.

```
pyme/debian/changelog
| 2 +-
pyme/pyme/version.py | 2 +-
2 files changed, 2 insertions(+), 2 deletions(-)
```

```
commit 94e34e38d742f145385bd235825b6ba1e30d8339
Author: belyi <devnull@localhost>
Date: Thu Apr 21 03:53:12 2005 +0000
```

Changed license on PyMe from GPL to LGPL.  
PyMe examples keep GPL license.

```
pyme/COPYING.LESSER          | 510 ++++++
pyme/Makefile                 | 20 +-
pyme/debian/changelog        | 4 +-
pyme/debian/copyright        | 22 +-
pyme/gpgme-h-clean.py        | 16 ++
pyme/gpgme.i                 | 20 +-
pyme/helpers.c               | 20 +-
pyme/helpers.h               | 20 +-
pyme/pyme/__init__.py        | 20 +-
pyme/pyme/callbacks.py       | 20 +-
pyme/pyme/constants/data/encoding.py | 20 +-
pyme/pyme/constants/event.py  | 20 +-
pyme/pyme/constants/import.py | 20 +-
pyme/pyme/constants/keylist/mode.py | 20 +-
pyme/pyme/constants/md.py
| 20 +-
pyme/pyme/constants/pk.py    | 20 +-
pyme/pyme/constants/protocol.py | 20 +-
pyme/pyme/constants/sig/mode.py | 20 +-
pyme/pyme/constants/sigsum.py | 20 +-
pyme/pyme/constants/status.py | 20 +-
pyme/pyme/constants/validity.py | 20 +-
pyme/pyme/core.py           | 20 +-
pyme/pyme/errors.py         | 20 +-
pyme/pyme/util.py           | 20 +-
pyme/pyme/version.py        | 22 +-
pyme/setup.py               | 20 +-
26 files changed, 761 insertions(+), 233 deletions(-)
```

```
commit 0d8aa0f6335cb1506a37085095ed45173b099a02
Author: belyi <devnull@localhost>
Date: Tue Apr 19 01:46:06 2005 +0000
```

Added `__hash__` and `__eq__` methods to `GpgmeWrapper` to allow both `Context()` and `Data()` to be used as a dictionary key.  
Changed `core.wait()` function to always return a tuple. On timeout now it returns `(0, None)` instead of just `None`. Plus, return context is now a `Context()` object instead of a wrapper return by underlying `gpgme`.

```
pyme/helpers.c | 1 -  
pyme/pyme/core.py | 25 ++++++-----  
pyme/pyme/util.py | 9 ++++++  
3 files changed, 24 insertions(+), 11 deletions(-)
```

```
commit 63ff6d10637be1dcbcd78c939ac1ef1ac30b1024  
Author: belyi <devnull@localhost>  
Date: Wed Apr 6 04:58:40 2005 +0000
```

Made `hook` parameter optional in `passphrase_cb` and `progress_cb`.  
Allowed `None` for callbacks to unset ones set previously.  
Removed cleanup of exception in callbacks - now just retrieve the error code.  
Added `prev_bad` parameter in `passphrase_cb` since it can be used in change password protocols.  
Updated examples to follow new sets of arguments in callbacks  
Updated `op_edit` to check if passed key is `None` (otherwise `gpgme` dumps core)  
God rid of annoying warning "function declaration isn't a prototype" in `helpers.c` and `helpers.h` by changing from `()` to `(void)` list of arguments.

```
pyme/debian/changelog  
| 10 +++++--  
pyme/examples/signverify.py | 2 +-  
pyme/examples/t-edit.py | 2 +-  
pyme/gpgme.i | 18 ++++++-----  
pyme/helpers.c | 60 ++++++-----  
pyme/helpers.h | 4 +-  
pyme/pyme/callbacks.py | 6 +++-  
pyme/pyme/core.py | 47 ++++++-----  
pyme/pyme/errors.py | 2 +-  
9 files changed, 96 insertions(+), 55 deletions(-)
```

```
commit 8f0ab8138c7aa190936376ccbbf33bb09c64d6f1  
Author: belyi <devnull@localhost>  
Date: Thu Mar 31 23:50:59 2005 +0000
```

Added exception handling in `passphrase_cb` and `edit_cb`. If `GPGMEEError` exception is thrown in those callbacks it will be converted into its core representation and return as an error code to the caller.  
On all other exceptions error code will be `GPG_ERR_GENERAL`.

```
pyme/Makefile | 1 +
```

```
pyme/debian/changelog | 8 ++++++++
pyme/gpgme.i          | 20 ++++++-----
pyme/helpers.c        | 51
+++++-----
pyme/helpers.h        | 3 +++
5 files changed, 71 insertions(+), 12 deletions(-)
```

commit 9903d1fb11231e7e3d920e58d1ecb674c5988b07

Author: belyi <devnull@localhost>

Date: Thu Mar 31 05:12:15 2005 +0000

Remove workaround from Context.wait() method since the bug report and patch fixing gpgme\_wait's behavior is sent to GPMGE developers already. Added errorcheck into op\_edit() so that it can report an error.

```
pyme/pyme/core.py | 10 +++++-----
1 file changed, 5 insertions(+), 5 deletions(-)
```

commit 45e8a5f4e13d3ca797ec3b0037242874a6be5562

Author: belyi <devnull@localhost>

Date: Sat Mar 26 19:44:18 2005 +0000

Updated version number to 0.6.2 in version.py  
Added examples/\*.glade files into documentation package.

```
pyme/debian/examples | 1 +
pyme/pyme/version.py | 2 +-
2 files changed, 2 insertions(+), 1 deletion(-)
```

commit 270b87bb40e180cb6e8f1de9a0e8161525ffa4ab

Author: belyi <devnull@localhost>

Date: Sat Mar

26 19:31:14 2005 +0000

Updated debian/changelog regarding PyGtkGpgKeys example and a fix in errors.

```
pyme/debian/changelog | 5 ++++-
1 file changed, 4 insertions(+), 1 deletion(-)
```

commit ea4682009a506db91e5174ffd038fe7e4406b591

Author: belyi <devnull@localhost>

Date: Sat Mar 26 19:25:36 2005 +0000

Added handling of right mouse button click.  
Changed reporting a string instead of a number on key generation failure.

```
pyme/examples/PyGtkGpgKeys.glade | 2 ++
pyme/examples/PyGtkGpgKeys.py    | 30 ++++++-----
```

2 files changed, 29 insertions(+), 3 deletions(-)

commit f65ad1a703d0098a3204fb8527a54d253e5847e7

Author: belyi <devnull@localhost>

Date: Sat Mar 26 18:11:11 2005 +0000

Added another column indicating if a key has a secret part.

Automated generation of the View menu from the view field of the KeyColumn class.

pyme/examples/PyGtkGpgKeys.glade | 93 ++-----

pyme/examples/PyGtkGpgKeys.py | 74

+++++

2 files changed, 44 insertions(+), 123 deletions(-)

commit b54e83a7a7a5785502f3c7e8b95f15e23b40e65a

Author: belyi <devnull@localhost>

Date: Sat Mar 26 16:45:13 2005 +0000

Small change to the way gtk.TreeModel object is used.

pyme/examples/PyGtkGpgKeys.py | 21 +++++-----

1 file changed, 10 insertions(+), 11 deletions(-)

commit 7078db75cef4c1fd70cf03e37172bdb4f933fd1b

Author: belyi <devnull@localhost>

Date: Fri Mar 25 23:33:06 2005 +0000

Use more comprehensible error reporting since gpgme\_strerror\_r returns None all the time.

pyme/pyme/errors.py | 6 +++---

1 file changed, 3 insertions(+), 3 deletions(-)

commit 151213f4344d9984975721440af07de09e3df61c

Author: belyi <devnull@localhost>

Date: Fri Mar 25 04:30:17 2005 +0000

Improved PyGtkGpgKeys example to manage owner\_trust on keys.

Added another example inter-edit.py which is just a helper to write scripts for Context.op\_edit() command.

pyme/examples/PyGtkGpgKeys.glade

| 78 ++++++

pyme/examples/PyGtkGpgKeys.py | 68 +++++-----

pyme/examples/inter-edit.py | 54 ++++++

pyme/examples/t-edit.py | 18 ++++++

4 files changed, 212 insertions(+), 6 deletions(-)

commit fc7235af217bcee5231ce7fbd7f234712d5ad3b0

Author: belyi <devnull@localhost>

Date: Fri Mar 25 00:30:39 2005 +0000

Updated PyGtkGpgKeys example to include import, export and reload functionality. Also added ability to remove number of keys simultaneously. Rearranged how KeyColumn is used to avoid unnecessary sorts and duplication of information in different parts of the code.

```
pyme/examples/PyGtkGpgKeys.glade | 86 ++++++--
pyme/examples/PyGtkGpgKeys.py   | 332 ++++++-----
2 files changed, 325 insertions(+), 93 deletions(-)
```

commit 9f65749ccb1b7cab562e19c03f4371d5f7d94912

Author: belyi <devnull@localhost>

Date: Thu Mar 24 05:51:03

2005 +0000

Added example of PyGTK+ and PyMe integration.  
For now it does only simple things - listing, deleting, and generating keys.

```
pyme/examples/PyGtkGpgKeys.glade | 1321 ++++++
pyme/examples/PyGtkGpgKeys.gladep | 8 +
pyme/examples/PyGtkGpgKeys.py   | 424 ++++++
3 files changed, 1753 insertions(+)
```

commit 59e23f32c3b46413c9ec09e23e1a385a110fb103

Author: belyi <devnull@localhost>

Date: Thu Mar 24 05:44:58 2005 +0000

Added wait method Context class which handles asynchronous calls a little bit better than the one generated by SWIG.

```
pyme/debian/changelog | 7 ++++++
pyme/gpgme.i          | 1 +
pyme/pyme/core.py     | 40 ++++++
3 files changed, 48 insertions(+)
```

commit 4c1b5259e4985df2cba0ae4fc09f12cd94603a75

Author: belyi <devnull@localhost>

Date: Tue Mar 22 18:29:31 2005 +0000

Added correct handling of Context.op\_edit() method.  
Added example/t-edit.py showing usage for this method.  
Output of this example should match output of the tests/gpg/t-edit from the GPGME test suite.

Remove unused static function from helpers.c

```
pyme/examples/t-edit.py | 38 ++++++
pyme/gpgme.i           | 36 ++++++
pyme/helpers.c         | 36 -----
pyme/pyme/core.py      | 5 ++++
4 files changed, 78 insertions(+), 37 deletions(-)
```

commit dc587e215283bfef2dd594f86a7b2945f74f5155

Author: belyi <devnull@localhost>

Date: Sat Mar 19 01:43:59 2005 +0000

Update changelog to include note about deprecated function in 0.6.1 release

```
pyme/debian/changelog | 3 +-
pyme/examples/encrypt-to-all.py | 3 +-
2 files changed, 3 insertions(+), 3 deletions(-)
```

commit 86de4b3ad777f980ccf7ba3462c85bbe1787d1fd

Author: belyi <devnull@localhost>

Date: Sat Mar 19 01:40:07 2005 +0000

Remove deprecated functions from helpers.[ch]

Use gpgme-h-clean.py

to remove deprecated functions and typedefs from

the GPGME header file. This will reduce the number of unused methods.

```
pyme/Makefile | 4 +++
pyme/gpgme-h-clean.py | 26 ++++++
pyme/helpers.c | 8 -----
pyme/helpers.h | 2 --
4 files changed, 28 insertions(+), 12 deletions(-)
```

commit 2483efcbd0d73c628c4d7717928a766c3b58f0aa

Author: belyi <devnull@localhost>

Date: Fri Mar 18 22:15:52 2005 +0000

Update copyright and author values in pyme/version.py

Create rules to build distribution files - one full and one without

debian bits.

```
pyme/Makefile | 28 ++++++-----
pyme/pyme/version.py | 12 +++++-----
2 files changed, 28 insertions(+), 12 deletions(-)
```

commit 168593285380f5a7805f3dd08657d429a72d3621

Author: belyi <devnull@localhost>

Date: Fri Mar 18 19:09:33 2005 +0000



Added package building for python2.4

Updated copyright notes to include myself and avoid confusion who's the maintainer.

In John's own words: "I'd prefer to just step out of the picture".

Jonh's copyright notice left intact.

```
pyme/Makefile          | 6 +++--
pyme/debian/changelog  | 7 +++++++
pyme/debian/control    | 30 ++++++++
pyme/debian/copyright  | 10 +++++-----
pyme/debian/rules      | 4 +++++
pyme/debian/setup.cfg-2.4 | 8 +++++++
pyme/examples/genkey.py | 4 +++-
pyme/gpgme.i           | 4 +++-
pyme/helpers.c         | 4 +++-
pyme/helpers.h         | 4 +++-
pyme/pyme/__init__.py  | 4 +++-
pyme/pyme/callbacks.py | 4 +++-
pyme/pyme/constants/data/encoding.py | 4 +++-
pyme/pyme/constants/event.py | 4 +++-
pyme/pyme/constants/import.py | 4 +++-
pyme/pyme/constants/keylist/mode.py | 4 +++-
pyme/pyme/constants/md.py | 4 +++-
pyme/pyme/constants/pk.py
    | 4 +++-
pyme/pyme/constants/protocol.py | 4 +++-
pyme/pyme/constants/sig/mode.py | 4 +++-
pyme/pyme/constants/sigsum.py | 4 +++-
pyme/pyme/constants/status.py | 4 +++-
pyme/pyme/constants/validity.py | 4 +++-
pyme/pyme/core.py      | 4 +++-
pyme/pyme/errors.py    | 4 +++-
pyme/pyme/util.py      | 4 +++-
pyme/pyme/version.py   | 2 +-
pyme/setup.py          | 3 +-
28 files changed, 96 insertions(+), 54 deletions(-)
```

commit 6dbbb252771133724b2879ed6d767cd708196dae

Author: belyi <devnull@localhost>

Date: Fri Mar 18 18:04:35 2005 +0000

Remove the note about gpgme.i to be generated - it's been the primary source for some time.

```
pyme/gpgme.i | 6 -----
```

1 file changed, 6 deletions(-)

commit 9d449fa4889c6bda6d14583c0625b8d5c4ffe759

Author: belyi <devnull@localhost>

Date: Fri May 7 18:31:22 2004 +0000

Added my copyright in genkey.py since there's  
enough changes made.

Updated signverify to use only keys generated by genkey.py, to check  
that keys added to singers are able to sign and to check that the  
list of signers is not empty. The last check is necessary to prevent  
signing with the key of the user running signverify.py script.

Added delkey.py script to delete keys generated by genkey.py

Added exportimport.py example for key export/import.

```
pyme/examples/delkey.py | 29 ++++++
pyme/examples/exportimport.py | 76 ++++++
pyme/examples/genkey.py | 6 ++-
pyme/examples/signverify.py | 18 +++++-
4 files changed, 119 insertions(+), 10 deletions(-)
```

commit df98c8d28245ad2c14b0ab50fc8f8932853bec8b

Author: belyi <devnull@localhost>

Date: Tue May 4 17:34:15 2004 +0000

Added examples/signverify.py for unattended sing/verify.

Updated examples/genkey.py to work correctly.

Updated gpgme.i to allow None as a value for gpgme\_data\_t

```
pyme/examples/genkey.py | 14 ++-----
pyme/examples/signverify.py | 72 ++++++
pyme/gpgme.i | 21 ++++++-----
3 files changed, 87 insertions(+), 20 deletions(-)
```

commit ba45931abf530ab89ead46d7233ff1b62b629a18

Author: belyi <devnull@localhost>

Date: Thu Apr 8 16:15:09 2004 +0000

Ensure that we support only python2.2 and up. :-)

Use generators in core.Context class which makes pyme.aux obsolete

Remove importing future nested\_scopes since they are standard starting  
with python2.2

```
pyme/pyme/__init__.py | 5 +----
pyme/pyme/aux.py | 56 -----
pyme/pyme/core.py | 15 ++++++-----
pyme/pyme/errors.py | 1 -
pyme/pyme/util.py | 2 +-
5 files changed, 15 insertions(+), 64 deletions(-)
```

commit 4e9be5a55ecffa4da7ad5c192cc892eddaaa9586

Author: belyi <devnull@localhost>

Date: Sun Mar 21 03:53:30 2004 +0000

Small change to index.html

Added clean: rule to the Makefile

pyme-web/Makefile | 3 +++

pyme-web/index.html | 6 +++---

2 files changed, 6 insertions(+), 3 deletions(-)

commit 2efb95176f4edf56ed61c9ac0c3aa09c56534df0

Author: belyi <devnull@localhost>

Date: Sun Mar 21 03:00:32 2004 +0000

Added Makefile rules for pyme module installation.

pyme/Makefile | 5 ++++-

1 file changed, 4 insertions(+), 1 deletion(-)

commit 2b83d5d8b513029cc3e54f2fa502ccc85618104b

Author: belyi <devnull@localhost>

Date: Sun Mar 21 02:29:54 2004 +0000

Decorative change.

pyme/pyme/aux.py | 2 +-

1 file changed, 1 insertion(+), 1 deletion(-)

commit e3478015d763a036c1d806ae01433fce59712204

Author: belyi <devnull@localhost>

Date: Sun Mar 21 02:25:55 2004 +0000

Added RCS Id: tags

pyme/Makefile | 1 +

pyme/examples/encrypt-to-all.py | 3 ++-

pyme/examples/genkey.py | 3 ++-

pyme/examples/sign.py | 3 ++-

pyme/examples/simple.py

| 3 ++-

pyme/gpgme.i | 1 +

pyme/helpers.c | 1 +

pyme/helpers.h | 1 +

pyme/pyme/\_\_init\_\_.py | 1 +

pyme/pyme/aux.py | 1 +

pyme/pyme/callbacks.py | 1 +

```
pyme/pyme/constants/__init__.py | 2 ++
pyme/pyme/constants/data/__init__.py | 2 ++
pyme/pyme/constants/data/encoding.py | 1 +
pyme/pyme/constants/event.py | 1 +
pyme/pyme/constants/import.py | 1 +
pyme/pyme/constants/keylist/__init__.py | 2 ++
pyme/pyme/constants/keylist/mode.py | 1 +
pyme/pyme/constants/md.py | 1 +
pyme/pyme/constants/pk.py | 1 +
pyme/pyme/constants/protocol.py | 1 +
pyme/pyme/constants/sig/__init__.py | 2 ++
pyme/pyme/constants/sig/mode.py | 1 +
pyme/pyme/constants/sigsum.py | 1 +
pyme/pyme/constants/status.py | 1 +
pyme/pyme/constants/validity.py | 1
+
pyme/pyme/core.py | 1 +
pyme/pyme/errors.py | 1 +
pyme/pyme/util.py | 1 +
pyme/pyme/version.py | 2 ++
30 files changed, 39 insertions(+), 4 deletions(-)
```

commit b3b3712645332c5bc3e8d9d557aab21d48ff0f86

Author: belyi <devnull@localhost>

Date: Sun Mar 21 02:07:36 2004 +0000

Added Id: RCS tags to all files.

```
pyme-web/Makefile | 2 ++
pyme-web/index.html | 3 +-
2 files changed, 4 insertions(+), 1 deletion(-)
```

commit 6aea2426beaaa8c43e6f2310a37a2737c0c3a1b5

Author: belyi <devnull@localhost>

Date: Sun Mar 21 01:50:55 2004 +0000

Update example on the init pyme.html page to match simple.py example.  
Fix core.py to use getcode() instead of getvalue() method of the exception.

```
pyme/pyme/__init__.py | 22 ++++++++-----
pyme/pyme/core.py | 4 +---
2 files changed, 16 insertions(+), 10 deletions(-)
```

commit dee337455ffd624d3f83e1c159c4bb2cefc692c9

Author: belyi <devnull@localhost>

Date:

Sat Mar 20 20:32:29 2004 +0000

Added Makefile to simplify publishing web files.

pyme-web/Makefile | 7 +++++++  
1 file changed, 7 insertions(+)

commit af7129baa8260697d85c2ddb434562e8a80b62d8  
Author: belyi <devnull@localhost>  
Date: Sat Mar 20 20:15:53 2004 +0000

Added minimum of formatting and SF icon.

pyme-web/index.html | 18 ++++++-----  
1 file changed, 11 insertions(+), 7 deletions(-)

commit 2e64dcbf99cee796b51667b04d8961e390edde87  
Author: belyi <devnull@localhost>  
Date: Sat Mar 20 18:30:09 2004 +0000

Initial revision

pyme-web/index.html | 33 ++++++-----  
1 file changed, 33 insertions(+)

commit 1c51644b3d0b6611422d971758e35f303d2ad5df  
Author: belyi <devnull@localhost>  
Date: Sat Mar 20 05:10:46 2004 +0000

Update examples and package information on the initial pyme doc page.

pyme/pyme/\_\_init\_\_.py | 27 ++++++-----  
1 file changed, 12 insertions(+), 15 deletions(-)

commit b2d31b0bfbffdf5247d6db4e3c95140cc1b1f19  
Author:  
belyi <devnull@localhost>  
Date: Sat Mar 20 04:47:42 2004 +0000

Deleted unnecessary files.

Updated debian/control to remove dependency on python-xml package since there's none now.

Move example files from 'doc' into separate control file.

Update debian/rules to build documentation from \*.py files and to exclude CVS directories from the installation.

pyme/Makefile | 26 ++-----  
pyme/debian/control | 8 +--  
pyme/debian/docs | 1 -  
pyme/debian/ex.package.doc-base | 22 -----

```
pyme/debian/examples      | 1 +
pyme/debian/manpage.1.ex  | 60 -----
pyme/debian/manpage.sgml.ex | 152 -----
pyme/debian/rules        | 12 +++-
8 files changed, 15 insertions(+), 267 deletions(-)
```

commit 1b517dd9b82a433499b4696b06d94d756cd36e53

Author: belyi <devnull@localhost>

Date: Sat Mar 20 02:59:15 2004 +0000

Remove doc/gpgme

directory containing GPGME documentation since this belongs  
to a different project. Need to add reference in our documentation.

```
pyme/doc/gpgme/fdl.texi   | 402 -----
pyme/doc/gpgme/gpgme.texi | 3372 -----
pyme/doc/gpgme/gpl.texi   | 397 -----
pyme/doc/gpgme/version.texi | 4 -
4 files changed, 4175 deletions(-)
```

commit 95d7d171da115a0fedfe2a4a7e5acc8aa408f673

Author: belyi <devnull@localhost>

Date: Sat Mar 20 02:45:03 2004 +0000

Change debian/rules to generate files by swig during build and to cleanup  
those files on 'clean' rule.

Plus, leave generated gpgme\_wrap.c in the root directory instead of moving  
it into subdirectory 'generated'.

```
pyme/Makefile      | 8 +++-----
pyme/debian/rules | 3 +-
pyme/setup.py     | 2 +-
3 files changed, 6 insertions(+), 7 deletions(-)
```

commit 545b3d90d445c5c78e8d72b2c1780863e02c789a

Author: belyi <devnull@localhost>

Date: Sat Mar 20 02:18:01 2004 +0000

Initial revision

```
pyme/COPYING          | 340 +++++
pyme/ChangeLog        | 802 ++++++++
pyme/Makefile         | 79 +
pyme/debian/README.Debian | 6 +
pyme/debian/changelog | 19 +
pyme/debian/control   | 68 +
pyme/debian/copyright | 27 +
pyme/debian/dirs      | 2 +
```

```

pyme/debian/docs | 2 +
pyme/debian/ex.package.doc-base | 22 +
pyme/debian/manpage.1.ex | 60 +
pyme/debian/manpage.sgml.ex | 152 ++
pyme/debian/postinst.ex | 48 +
pyme/debian/postrm.ex | 38 +
pyme/debian/preinst.ex | 44 +
pyme/debian/prerm.ex | 39 +
pyme/debian/rules | 130 ++
pyme/debian/setup.cfg-2.2 | 8 +
pyme/debian/setup.cfg-2.3 | 8 +
pyme/doc/gpgme/fdl.texi
| 402 ++++
pyme/doc/gpgme/gpgme.texi | 3372 ++++++
pyme/doc/gpgme/gpl.texi | 397 ++++
pyme/doc/gpgme/version.texi | 4 +
pyme/examples/encrypt-to-all.py | 63 +
pyme/examples/genkey.py | 55 +
pyme/examples/sign.py | 28 +
pyme/examples/simple.py | 44 +
pyme/gpgme.i | 191 ++
pyme/helpers.c | 139 ++
pyme/helpers.h | 29 +
pyme/pyme/__init__.py | 134 ++
pyme/pyme/aux.py | 55 +
pyme/pyme/callbacks.py | 45 +
pyme/pyme/constants/__init__.py | 2 +
pyme/pyme/constants/data/__init__.py | 2 +
pyme/pyme/constants/data/encoding.py | 19 +
pyme/pyme/constants/event.py | 19 +
pyme/pyme/constants/import.py | 19 +
pyme/pyme/constants/keylist/__init__.py
| 2 +
pyme/pyme/constants/keylist/mode.py | 19 +
pyme/pyme/constants/md.py | 19 +
pyme/pyme/constants/pk.py | 19 +
pyme/pyme/constants/protocol.py | 19 +
pyme/pyme/constants/sig/__init__.py | 2 +
pyme/pyme/constants/sig/mode.py | 19 +
pyme/pyme/constants/sigsum.py | 19 +
pyme/pyme/constants/status.py | 19 +
pyme/pyme/constants/validity.py | 19 +
pyme/pyme/core.py | 367 ++++
pyme/pyme/errors.py | 46 +
pyme/pyme/util.py | 61 +
pyme/pyme/version.py | 39 +
pyme/setup.py | 60 +
53 files changed, 7642 insertions(+)

```

commit a3d5a442dc713b6c4d6fc4134db5b47e379dc41d

Author: root <devnull@localhost>

Date: Fri Mar 19 14:12:30 2004 +0000

initial checkin

```
CVSROOT/checkoutlist | 13 ++++++
CVSROOT/commitinfo | 15 ++++++
CVSROOT/config
| 21 ++++++
CVSROOT/cvswrappers | 19 ++++++
CVSROOT/editinfo | 21 ++++++
CVSROOT/loginfo | 26 ++++++
CVSROOT/modules | 26 ++++++
CVSROOT/notify | 12 ++++++
CVSROOT/rcsinfo | 13 ++++++
CVSROOT/taginfo | 20 ++++++
CVSROOT/verifysmsg | 21 ++++++
```

11 files changed, 207 insertions(+)

-----BEGIN PGP PUBLIC KEY BLOCK-----

```
mQENBFrsKEkBCADKw4Wt8J6M/88qD8PO6lSMCxH1cpwH8iK0uPaFFYsJkkXo7kWf
PTAttrV+REqF/o80dvYcdLvRsV21pvncZz/HXLu1yQ18mC3XObrKokbdgrTTKA5XE
BZkNsqyaMMJauT18H4hYkSg62/tTdO1cu/zWv/LFf7Xyn6+uA74ovXCJIO1s0N2c
PSht98QRzPMf2owgVk37JnDNp4gGVDGHxSZOuUwxgYAZYN8SFc+c+3ZrQfY870
+O4j3Mz4p7yD13AwP4buQLBsb/icxekeQCqpRjLH9f7MdEcGXA1x36RcEkHdu+M
yJ392eMgD+dKNfRCtyTPhjZTxbvNELIBYICfABEBAAG0EHRlc3RAZXhhbXBsZS5v
cmeJAVQEEwEIAD4WIQTUFzW5Ejb9uIIEjFojAWNe7/DLBQUCWuwoSQIbAwUJA8Jn
AAULCQGhAgYVCgkICwIEFgIDAQIeAQIXgAAKCRajAWNe7/DLBf9kB/wOQ/S60HGw
Fq07W9N01HWULyhHKoMmcHL6rfZ64oDqLxolPSasz7WAMW1jN4qtWJ0mFzwo83V6
kaBe+wF6Kqir6udFSBW9rPcFg6/VZXPltT0a6uacIHq6DyQ5iMW4YQWbV9OR2rN
GkYo1JCBR0XdRjYCSX3yB4TWv/eXnZ37/WjmiTOIZh35rjs+NuU/S5JPDfAp2/k7
0DevQeBsv+UjVXjWpNTZmPbvDnd995uSmC6UY4hzyP84ORYMYn9n1QAR0goxDN6U
unOf9Rlp1oMzdxMool/d1MICxg2h3jheuhv7lgUF4KpvHOuEPXQ7UO417E0TYcDZ
1J8Nsv87SZeEuQENBFrsKEkBCADjoEBHg/QPqZHg8VyoD1xYRAWGxyDJkX/GrSs6
yE+x2hk5FoQCajxKa/d4AVxOnJpdwhAfeXeSNaql5Ejgzax+Tdj9BV6vtGVJVv0p
O7bgAiZxkA6RHxtNqhpPnPQoXvUzkzpRgpuL+Nj4yIg7z1ITH6KQH4u5SI9vd+j/
8i9Taz67pdZwuJjac8qBuJHjzAo1bjYctFYUSG5pbmMQyNLySzziNkFa4DajODlt
3RuqVGP316Fk+Sy2+60tC/HIX8jgMyMONfOGBQx6jk8tvAphS/LAqrrNepnagIyL
UGKU+L8cB2g1PGGp2biBFWqZbudZoyRBet/0yH/zirBdQJw1ABEBAAGJATwEGAEI
ACYWIQTUFzW5Ejb9uIIEjFojAWNe7/DLBQUCWuwoSQIbDAUJA8JnAAAKCRajAWNe
7/DLBf0pCACPP5hBuUWngu2Hqvg+tNiujsfYzId3MffFxEk3CbXeHcJ5F32NDJ9
PYCnra4L8wSv+NzT9gIa8IFwoFSFQCjzH7KE86XcV3MhfdJTNb/+9CR7Jq3e/4Iy
0N5ip7PNYMCyakcAsxvsNCJKrSaDuYe/OAoTXRBtgRWE2uyT315em02Lkr+2Cc/Q
k6H+vlNOHGRgnpl/OZZjnUuUfBUvMGHr1phW+y7aeymC9PnUGdViRdJe23nntMSD
A+0/I7ESO9JsWvJbyBmuiZpu9JjScOjYH9xpQLqRnyw4WHpZriN69F0t9Mmd7bM1
+UyPgbPEr0iWMeyctYsuOLeUyQKMscDT
```



=QyY6

-----END

PGP PUBLIC KEY BLOCK-----

Using gpgme.js

-----

At first, make sure that the environment you want to use gpgme.js in has access and permissions for nativeMessaging, and gpgme-json installed. For details, see the README.

The library itself is started via the { @link init } method. This will test the nativeMessaging connection, and then resolve into an Object offering the top level API:

```
* [encrypt]{ @link GpgME#encrypt}
* [decrypt]{ @link GpgME#decrypt}
* [sign]{ @link GpgME#sign}
* [verify]{ @link GpgME#verify}
* [Keyring]{ @link GPGME_Keyring}
```

---

```
gpgmejs.init()
  .then(function(GPGME) {
    // using GPGME
  }, function(error){
    // error handling;
  })
---
```

All methods that require communication with nativeMessaging are asynchronous, using Promises. Rejections will be instances of { @link GPGME\_Error }.

An exception are Keys, which can be initialized in a 'sync' mode, allowing them to be cached and used synchronously until manually refreshed.

## Keyring and Keys

-----

The gnupg keys can be accessed via the [Keyring]{ @link GPGME\_Keyring }.

The Keyring offers the methods for accessing information on all Keys known to gnupg.

**\*\*Due to security constraints, the javascript-binding currently only offers limited support for secret-Key interaction.\*\***

The existence of secret Keys is not secret, and those secret Keys can be used for signing, but Operations that may expose, modify or delete secret Keys are not supported.

```

* [getKeysArmored]{ @link GPGME_Keyring#getKeysArmored}
* [getKeys]{ @link GPGME_Keyring#getKeys}
* [getDefaultKey]{ @link GPGME_Keyring#getDefaultKey}
* [generateKey]{ @link GPGME_Keyring#generateKey}
* [deleteKey]{ @link GPGME_Keyring#deleteKey}
\input texinfo @c -*- texinfo -*-
@c %**start of header
@setfilename what-is-new.info
@settitle What's New in the GPGME Python Bindings and Documentation
@documentencoding utf-8
@documentlanguage en
@c %**end of header

@finalout
@titlepage
@title What's New in the GPGME Python Bindings and Documentation
@author Ben McGinnes
@end titlepage

@contents

@ifnottex
@node Top
@top What's New in the GPGME Python Bindings and Documentation
@end ifnottex

@menu
* What's New::

@detailmenu
--- The Detailed Node Listing ---

What's New

* New in GPGME 1130::

@end detailmenu
@end menu

@node What's New
@chapter What's New

@multitable {aaaaaaaaaaaaaaaa} {aa}
@item Version:
@tab 0.0.1
@item GPGME Version:
@tab 1.13.0

```

@item Author:  
@tab Ben McGinnes <ben@@gnupg.org>  
@item Author GPG Key:  
@tab DB4724E6FA4286C92B4E55C4321E4E2373590E5D  
@item Language:  
@tab Australian English, British English  
@item xml:lang:  
@tab en-AU, en-GB, en  
@end multitable

Last time the most  
obviously new thing was adding the @emph{What's New}  
section to the HOWTO. Now it's moving it out of the HOWTO.

@menu  
\* New in GPGME 1130::  
@end menu

@node New in GPGME 1130  
@section New in GPGME 1130

Additions since GPGME 1.12.0 include:

@itemize  
@item  
Moving the @emph{What's New} section out of the basic @uref{gpgme-python-howto.org, HOWTO} document  
and  
into its own file so as to more readily include other documents  
beyond that HOWTO.

@item  
Moving the preceding, archival, segments into @uref{what-was-new.org, another file}.

@item  
Added @samp{gpg.version.versionintlist} to make it easier for Python  
developers to check for a specific version number, even with beta  
versions (it will drop the "-betaN" part).

@item  
Added expanded detail on issues pertaining to installing for Windows  
users.

@item  
Bindings enter @uref{maintenance-mode, maintenance mode} from January, 2019.

@item  
Added documentation on maintenance mode and what changes can be made  
to the code when in that status. Essentially  
that boils down to bug  
fixes only and no feature requests.

@item  
The import-keys-hkp.py example script, which uses the @samp{hkp4py}  
module to search the SKS servers for a key, has been tightened up to

search for both hexadecimal key IDs and user ID strings with reduced chance of unnecessary repetition. There may still be some repetition if a key includes a user ID matching the hexadecimal value of a key ID.

@end itemize

@bye

;;; gpgme-grovel.lisp

;;; This file is part of GPGME-CL.

;;;

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;;;

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;;; along with GPGME; if not, write to the Free Software Foundation,  
;;; Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.

(in-package :gpgme)

(include "errno.h" "sys/types.h")

(constant (+ebadf+ "EBADF"))

(ctype off-t "off\_t")

(ctype size-t "size\_t")

(ctype ssize-t "ssize\_t")

(cvar ("errno" \*errno\*) :int)

(21:protected-private-key(3:elg(1:p129:W#} }l;;m>

;4YV\$Qg

LoLy~\*Tru\*+ID8"-9,:17^g\*({ #7)(1:g1:)(1:y128:2o62,Tj/

rRi3sSS iCAYNYbVtAHKi7(UPp)?Od{'R^f)(9:protected25:openpgp-s2k3-sha1-aes-

cbc((4:sha18:fw^E7:5242880)16:aqR)192:5f1a-`{^EV699WoB\,:Rs1\*W6Lu iZ

:=ZqURM47;pA3#DL

so8O)Th^P@IP0&.DR;"rkN7)(12:protected-at15:20101008T070216)))

For a list of the authors of the source code of GPGME, please see the file AUTHORS. The following people supported GPGME development in various ways (for example by finding bugs or giving advice), and we

want to thank them for their help. If we forgot you, please let us know.

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# This is a template. The dist target uses it to create the real file.

Summary: GPGME - GnuPG Made Easy

Name: gpgme

Version: 1.13.1

Release: 1

URL: <https://gnupg.org/gpgme.html>

Source: <https://www.gnupg.org/ftp/gcrypt/gpgme/%{name}-%{version}.tar.gz>

Group: Development/Libraries

Copyright: GPL

BuildRoot: % {\_tmppath}/%{name}-%{version}

BuildRequires: make

Prereq: /sbin/ldconfig /sbin/install-info

Requires: gnupg

%description

GnuPG Made Easy (GPGME) is a library designed to make access to GnuPG easier for applications. It provides a High-Level Crypto API for encryption, decryption, signing, signature verification and key management.

```
%prep
%setup -q

%build
CFLAGS="$RPM_OPT_FLAGS"; export CFLAGS
./configure --prefix=/usr
make

%install
rm -fr $RPM_BUILD_ROOT
mkdir -p $RPM_BUILD_ROOT
make install prefix=$RPM_BUILD_ROOT/usr infodir=$RPM_BUILD_ROOT%{_infodir}
rm -f $RPM_BUILD_ROOT%{_infodir}/dir

%clean
rm -fr $RPM_BUILD_ROOT
make distclean

%post
/sbin/ldconfig
/sbin/install-info %{_infodir}/gpgme.info.gz
%{_infodir}/dir
/sbin/install-info %{_infodir}/gpgme-python-howto.info.gz %{_infodir}/dir

%preun
if [ "$1" = 0 ]; then
/sbin/install-info --delete %{_infodir}/gpgme.info.gz %{_infodir}/dir
/sbin/install-info --delete %{_infodir}/gpgme-python-howto.info.gz %{_infodir}/dir
fi

%postun
/sbin/ldconfig

%files
%defattr(-,root,root)
%doc COPYING COPYING.LESSER AUTHORS README INSTALL NEWS ChangeLog TODO THANKS
%attr(0755,root,root) %{_bindir}/gpgme-config
%attr(0755,root,root) %{_libdir}/*gpgme.so*
%attr(0755,root,root) %{_libdir}/*gpgme.la
%attr(0644,root,root) %{_libdir}/*gpgme.a
%{_includedir}/gpgme.h
%{_datadir}/aclocal/gpgme.m4
%{_infodir}/gpgme.info*
%{_infodir}/gpgme-python-howto.info*
```

%changelog  
\* Sat Aug 30 2003 Robert Schiele <rschiele@uni-mannheim.de>  
- % {\_infodir}/dir is not packaged, remove to prevent checking failure  
\* Mon Jul 01 2002 Wojciech Polak <polak@lodz.pdi.net>  
- initial specfile release for GPGME.

# EOF

# 1.534 json-c 0.13.1-3.el8

## 1.534.1 Available under license :

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## 1.535 reflectwalk 1.0.2

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## 1.536 glob 7.2.3

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## 1.537 libnsl 2.31

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```
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under certain conditions; type `show c' for details.
```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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Sources were obtained from <http://sourceforge.net/projects/e2fsprogs>

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```

#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

real-subdirs:: Makefile
@echo " MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image: $(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
`echo $(my_dir) | sed -e 's;lib/;;'~/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM)
-rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

```

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Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

\*/

/\*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version
  
- trivial database library - private includes
- 
- Copyright (C) Andrew Tridgell            2005
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```

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```
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```

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```
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```

```
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Theodore Ts'o  
23-June-2007

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```

```
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That's all there is to it!

This is the Debian GNU/Linux prepackaged version of the EXT2 file  
system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were  
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from <http://sourceforge.net/projects/e2fsprogs>

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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Gadi Oxman, August 1995

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```

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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Theodore Ts'o  
23-June-2007

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```

```
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That's all there is to it!  
This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:  
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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This is the Debian GNU/Linux prepackaged version of the translation files of the EXT2 file system utilities. The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Gadi Oxman, August 1995

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```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>
```

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```
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for details type `show w'.
```

```
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate  
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necessary. Here is a sample; alter the names:

```
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```

```
<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
```

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This is the Debian GNU/Linux prepackaged version of the EXT2 file  
system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were  
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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## 1.548 libss 1.45.5-2ubuntu1.1

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```

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## 1.550 githubcompelletiergotoml v1.9.5

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localtime.go, localtime\_test.go:

Originals:

<https://raw.githubusercontent.com/googleapis/google-cloud-go/ed46f5086358513cf8c25f8e3f022cb838a49d66/civil/civil.go>

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Changes:

- \* Renamed files from civil\* to localtime\*.
- \* Package changed from civil to toml.
- \* 'Local' prefix added to all structs.

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## 1.553 xz 5.2.4-4.el8\_6

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes                 |

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

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```
#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
```

```
all:: image
```

```
real-subdirs:: Makefile
@echo " MKDIR pic"
@mkdir -p pic
```

```
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic
```

```
image: $(BSD_LIB)
```

```
$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LD_FLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
`echo $(my_dir) | sed -e 's;lib/;;'/'$(BSD_LIB) $(BSD_LIB))
```

```
install-shlibs install: $(BSD_LIB)
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$ (BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LD_CONFIG)
```

install-strip: install

install-shlibs-strip: install-shlibs

```
uninstall-shlibs uninstall:
$(RM) -f $(DESTDIR)$ (BSDLIB_INSTALL_DIR)/$(BSD_LIB)
```

```
clean:
$(RM)
-rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
```

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Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

\*/

/\*

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- + trivial database library - standalone version
  
- trivial database library - private includes
- 
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Theodore Ts'o  
23-June-2007

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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\* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.  
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## 1.564 pcre 10.32-3.el8\_6

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```
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#+TITLE: List of code with permissive licenses as used by GnuPG.  
#+STARTUP: showall
```

\* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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## 1.571 react-is 18.2.0

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## 1.573 scheduler 0.23.0

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# 1.574 pcre 8.39-12ubuntu0.1

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THE BASIC LIBRARY FUNCTIONS

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Written by: Philip Hazel  
Email local part: ph10  
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## 1.581 libnpmaccess 3.0.2

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## 1.585 libnpmorg 1.0.1

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ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

# 1.586 x-sync v0.0.0-20220722155255-886fb9371eb4

## 1.586.1 Available under license :

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# 1.587 zlib 1.2.11.dfsg-2ubuntu1.5

## 1.587.1 Available under license :

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- ```
/* gun.c -- simple gunzip to give an example of the use of inflateBack()
 * Copyright (C) 2003, 2005, 2008, 2010, 2012 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 * Version 1.7 12 August 2012 Mark Adler */
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gun.c
```

No license file was found, but licenses were detected in source scan.

```
/* gzclose.c -- zlib gzclose() function
```

```
* Copyright (C) 2004, 2010 Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzclose.c
```

No license file was found, but licenses were detected in source scan.

MiniZip - Copyright (c) 1998-2010 - by Gilles Vollant - version 1.1 64 bits from Mathias Svensson

## Introduction

-----

MiniZip 1.1 is built from MiniZip 1.0 by Gilles Vollant ( <http://www.winimage.com/zLibDll/minizip.html> )

When adding ZIP64 support into minizip it would result into risk of breaking compatibility with minizip 1.0. All possible work was done for compatibility.

## Background

-----

When adding ZIP64 support Mathias Svensson found that Even Rouault have added ZIP64 support for unzip.c into minizip for a open source project called gdal ( <http://www.gdal.org/> )

That was used as a starting point. And after that ZIP64 support was added to zip.c some refactoring and code cleanup was also done.

## Changed from MiniZip 1.0 to MiniZip 1.1

-----

```
* Added ZIP64 support for unzip ( by Even Rouault )
```

```
* Added ZIP64 support for zip ( by Mathias Svensson
```

```
)
```

```
* Reverted some changed that Even Rouault did.
```

```
* Bunch of patches received from Gulles Vollant that he received for MiniZip from various users.
```

```
* Added unzip patch for BZIP Compression method (patch create by Daniel Borca)
```

```
* Added BZIP Compress method for zip
```

```
* Did some refactoring and code cleanup
```

## Credits



Gilles Vollant - Original MiniZip author  
Even Rouault - ZIP64 unzip Support  
Daniel Borca - BZip Compression method support in unzip  
Mathias Svensson - ZIP64 zip support  
Mathias Svensson - BZip Compression method support in zip

#### Resources

ZipLayout <http://result42.com/projects/ZipFileLayout>

Command line tool for Windows that shows the layout and information of the headers in a zip archive.  
Used when debugging and validating the creation of zip files using MiniZip64

ZIP App Note <http://www.pkware.com/documents/casestudies/APPNOTE.TXT>  
Zip File specification

#### Notes.

\* To be able to use BZip compression method in  
zip64.c or unzip64.c the BZIP2 lib is needed and HAVE\_BZIP2 need to be defined.

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-----

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3. This notice may not be removed or altered from any source distribution.

-----

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/MiniZip64\_info.txt

No license file was found, but licenses were detected in source scan.

```
/* compress.c -- compress a memory buffer
* Copyright (C) 1995-2005, 2014, 2016 Jean-loup Gailly, Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/compress.c
No license file was found, but licenses were detected in source scan.
```

```
/* zconf.h -- configuration of the zlib compression library
* Copyright (C) 1995-2016 Jean-loup Gailly, Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zconf.h
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zconf.h.in
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zconf.h.cmakein
No license file was found, but licenses were detected in source scan.
```

```
/*
* gzlog.c
* Copyright (C) 2004, 2008, 2012, 2016 Mark Adler, all rights reserved
* For conditions of distribution and use, see copyright notice in gzlog.h
* version 2.2, 14 Aug 2012
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzlog.c
No license file was found, but licenses were detected in source scan.
```

```
/* deflate.c -- compress data using the deflation algorithm
* Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/deflate.c
No license file was found, but licenses were detected in source scan.
```

Not copyrighted -- provided to the public domain

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-
```

1.2.11.dfsg/examples/zlib\_how.html

No license file was found, but licenses were detected in source scan.

```
/* zutil.h -- internal interface and configuration of the compression library
* Copyright (C) 1995-2016 Jean-loup Gailly, Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zutil.h
```

No license file was found, but licenses were detected in source scan.

```
/* uncompr.c -- decompress a memory buffer
* Copyright (C) 1995-2003, 2010, 2014, 2016 Jean-loup Gailly, Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/uncompr.c
```

No license file was found, but licenses were detected in source scan.

```
# For conditions of distribution and use, see copyright notice in zlib.h
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/msdos/Makefile.emx
```

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/old/Makefile.emx
```

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/msdos/Makefile.dj2
```

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/old/os2/Makefile.os2
```

No license file was found, but licenses were detected in source scan.

```
/* trees.c -- output deflated data using Huffman coding
* Copyright (C) 1995-2017 Jean-loup Gailly
* detect_data_type() function provided freely by Cosmin Truta, 2006
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/trees.c
```

No license file was found, but licenses were detected in source scan.

```
/* gzread.c -- zlib functions for reading gzip files
* Copyright (C) 2004, 2005, 2010, 2011, 2012, 2013, 2016 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzread.c

No license file was found, but licenses were detected in source scan.

/\* unzip.c -- IO for uncompress .zip files using zlib

Version 1.1, February 14h, 2010

part of the MiniZip project - ( <http://www.winimage.com/zLibDll/minizip.html> )

Copyright (C) 1998-2010 Gilles Vollant (minizip) ( <http://www.winimage.com/zLibDll/minizip.html> )

Modifications of Unzip for Zip64

Copyright (C) 2007-2008 Even Rouault

Modifications for Zip64 support on both zip and unzip

Copyright (C) 2009-2010 Mathias Svensson ( <http://result42.com> )

For more info read MiniZip\_info.txt

-----  
Decryption code comes from crypt.c by Info-ZIP but has been greatly reduced in terms of compatibility with older software. The following is from the original crypt.c.  
Code woven in by Terry Thorsen 1/2003.

Copyright (c) 1990-2000 Info-ZIP. All rights reserved.

See the accompanying

file LICENSE, version 2000-Apr-09 or later

(the contents of which are also included in zip.h) for terms of use.

If, for some reason, all these files are missing, the Info-ZIP license also may be found at: <ftp://ftp.info-zip.org/pub/infozip/license.html>

crypt.c (full version) by Info-ZIP. Last revised: [see crypt.h]

The encryption/decryption parts of this source code (as opposed to the non-echoing password parts) were originally written in Europe. The whole source package can be freely distributed, including from the USA. (Prior to January 2000, re-export from the US was a violation of US law.)

This encryption code is a direct transcription of the algorithm from Roger Schlafly, described by Phil Katz in the file appnote.txt. This file (appnote.txt) is distributed with the PKZIP program (even in the version without encryption capabilities).

-----

## Changes in unzip.c

2007-2008 - Even Rouault - Addition of cpl\_unzGetCurrentFileZStreamPos  
2007-2008 - Even Rouault - Decoration of symbol names unz\* -> cpl\_unz\*  
2007-2008 - Even Rouault - Remove old C style function prototypes  
2007-2008 - Even Rouault - Add unzip support for ZIP64

Copyright (C) 2007-2008 Even Rouault

Oct-2009 - Mathias Svensson - Removed cpl\_\* from symbol names (Even Rouault added them but since this is now moved to a new project (minizip64) I renamed them again).

Oct-2009 - Mathias Svensson - Fixed problem if uncompressed size was > 4G and compressed size was <4G should only read the compressed/uncompressed size from the Zip64 format if the size from normal header was 0xFFFFFFFF

Oct-2009 - Mathias Svensson - Applied some bug fixes from patches received from Gilles Vollant

Oct-2009 - Mathias Svensson - Applied support to unzip files with compression method BZIP2 (bzip2 lib is required)

Patch created by Daniel Borca

Jan-2010 - back to unzip and minizip 1.0 name scheme, with compatibility layer

Copyright (C) 1998 - 2010 Gilles Vollant, Even Rouault, Mathias Svensson

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/unzip.c

No license file was found, but licenses were detected in source scan.

/\* example.c -- usage example of the zlib compression library

\* Copyright (C) 1995-2006, 2011, 2016 Jean-loup Gailly

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/test/example.c

/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.11, January 15th, 2017

Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler

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Jean-loup Gailly      Mark Adler  
jloup@gzip.org      madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

\*/

No license file was found, but licenses were detected in source scan.

```
/* gzwrite.c -- zlib functions for writing gzip files
 * Copyright (C) 2004-2017 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzwrite.c
```

No license file was found, but licenses were detected in source scan.

```
/* Adler32.c -- compute the Adler-32 checksum of a data stream
 * Copyright (C) 1995-2011, 2016 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/adler32.c
```

No license file was found, but licenses were detected in source scan.

Frequently Asked Questions about zlib

If your question is not there, please check the zlib home page <http://zlib.net/> which may have more recent information.

The latest zlib FAQ is at [http://zlib.net/zlib\\_faq.html](http://zlib.net/zlib_faq.html)

1. Is zlib Y2K-compliant?

Yes. zlib doesn't handle dates.

2. Where can I get a Windows DLL version?

The zlib sources can be compiled without change to produce a DLL. See the file win32/DLL\_FAQ.txt in the zlib distribution. Pointers to the precompiled DLL are found in the zlib web site at <http://zlib.net/>.

3. Where can I get a Visual Basic interface to zlib?

See

\* <http://marknelson.us/1997/01/01/zlib-engine/>

\* win32/DLL\_FAQ.txt in the zlib distribution

4. compress() returns Z\_BUF\_ERROR.

Make sure that before the call of compress(), the length of the compressed buffer is equal to the available size of the compressed buffer and not zero. For Visual Basic, check that this parameter is passed by reference ("as any"), not by value ("as long").

5. deflate() or inflate() returns Z\_BUF\_ERROR.

Before making the call, make sure that avail\_in and avail\_out are not zero. When setting the parameter flush equal to Z\_FINISH, also make sure that avail\_out is big enough to allow processing all pending input. Note that a Z\_BUF\_ERROR is not fatal--another call to deflate() or inflate() can be made with more input or output space. A Z\_BUF\_ERROR may in fact be unavoidable depending on how the functions are used, since it is not possible to tell whether or not there is more output pending when strm.avail\_out returns with zero. See [http://zlib.net/zlib\\_how.html](http://zlib.net/zlib_how.html) for a heavily annotated example.

6. Where's the zlib documentation (man pages, etc.)?

It's in zlib.h. Examples of zlib usage are in the files test/example.c and test/minigzip.c, with more in examples/.

7. Why don't you use GNU autoconf or libtool or ...?

Because we would like to keep zlib as a very small and simple package. zlib is rather portable and doesn't need much configuration.

8. I found a bug in zlib.

Most of the time, such problems are due to an incorrect usage of zlib. Please try to reproduce the problem with a small program and send the corresponding source to us at [zlib@gzip.org](mailto:zlib@gzip.org). Do not send multi-megabyte data files without prior agreement.

9. Why do I get "undefined reference to gzputc"?

If "make test" produces something like

```
example.o(.text+0x154): undefined reference to `gzputc'
```

check that you don't have old files `libz.*` in `/usr/lib`, `/usr/local/lib` or `/usr/X11R6/lib`. Remove any old versions, then do "make install".

10. I need a Delphi interface to zlib.

See the `contrib/delphi` directory in the zlib distribution.

11. Can zlib handle .zip archives?

Not by itself, no. See the directory `contrib/minizip` in the zlib distribution.

12.

Can zlib handle .Z files?

No, sorry. You have to spawn an `uncompress` or `gunzip` subprocess, or adapt the code of `uncompress` on your own.

13. How can I make a Unix shared library?

By default a shared (and a static) library is built for Unix. So:

```
make distclean
./configure
make
```

14. How do I install a shared zlib library on Unix?

After the above, then:

```
make install
```

However, many flavors of Unix come with a shared zlib already installed. Before going to the trouble of compiling a shared version of zlib and



trying to install it, you may want to check if it's already there! If you can `#include <zlib.h>`, it's there. The `-lz` option will probably link to it. You can check the version at the top of `zlib.h` or with the `ZLIB_VERSION` symbol defined in `zlib.h`.

15. I have a question about OttoPDF.

We are not the authors of OttoPDF. The real author is on the OttoPDF web site: Joel Hainley, [jhainley@myndkryme.com](mailto:jhainley@myndkryme.com).

16.

Can zlib decode Flate data in an Adobe PDF file?

Yes. See <http://www.pdflib.com/>. To modify PDF forms, see <http://sourceforge.net/projects/acroformtool/>.

17. Why am I getting this "register\_frame\_info not found" error on Solaris?

After installing zlib 1.1.4 on Solaris 2.6, running applications using zlib generates an error such as:

```
ld.so.1: rpm: fatal: relocation error: file /usr/local/lib/libz.so:
symbol __register_frame_info: referenced symbol not found
```

The symbol `__register_frame_info` is not part of zlib, it is generated by the C compiler (cc or gcc). You must recompile applications using zlib which have this problem. This problem is specific to Solaris. See <http://www.sunfreeware.com> for Solaris versions of zlib and applications using zlib.

18. Why does gzip give an error on a file I make with compress/deflate?

The `compress` and `deflate` functions produce data in the zlib format, which is different and incompatible with the `gzip` format. The `gz*` functions in zlib on the other hand use the `gzip` format. Both the zlib and `gzip` formats use the same compressed data format internally, but have different headers and trailers around the compressed data.

19. Ok, so why are there two different formats?

The `gzip` format was designed to retain the directory information about a single file, such as the name and last modification date. The zlib format on the other hand was designed for in-memory and communication channel applications, and has a much more compact header and trailer and uses a faster integrity check than `gzip`.

20. Well that's nice, but how do I make a gzip file in memory?

You can request that deflate write the gzip format instead of the zlib format using `deflateInit2()`. You can also request that inflate decode the gzip format using `inflateInit2()`. Read `zlib.h` for more details.

21. Is zlib thread-safe?

Yes. However any library routines that zlib uses and any application-provided memory allocation routines must also be thread-safe. zlib's `gz*` functions use `stdio` library routines, and most of zlib's functions use the library memory allocation routines by default. zlib's `*Init*` functions allow for the application to provide custom memory allocation routines.

Of course, you should only operate on any given zlib or gzip stream from a single thread at a time.

22. Can I use zlib in my commercial application?

Yes. Please read the license in `zlib.h`.

23. Is zlib under the GNU license?

No. Please read the license in `zlib.h`.

24. The license says that altered source versions must be "plainly marked". So what exactly do I need to do to meet that requirement?

You need to change the `ZLIB_VERSION` and `ZLIB_VERNUM` `#defines` in `zlib.h`. In particular, the final version number needs to be changed to "f", and an identification string should be appended to `ZLIB_VERSION`. Version numbers `x.x.x.f` are reserved for modifications to zlib by others than the zlib maintainers. For example, if the version of the base zlib you are altering is "1.2.3.4", then in `zlib.h` you should change `ZLIB_VERNUM` to `0x123f`, and `ZLIB_VERSION` to something like "1.2.3.f-zachary-mods-v3". You can also update the version strings in `deflate.c` and `inftrees.c`.

For altered source distributions, you should also note the origin and nature of the changes in `zlib.h`, as well as in `ChangeLog` and `README`, along with the dates of the alterations. The origin should include at least your name (or your company's name), and an email address to contact for help or issues with the library.

Note that distributing a compiled zlib library along with `zlib.h` and `zconf.h` is also a source distribution, and so you should change `ZLIB_VERSION` and `ZLIB_VERNUM` and note the origin and nature of the changes in `zlib.h` as you would for a full source distribution.

25.

Will zlib work on a big-endian or little-endian architecture, and can I exchange compressed data between them?

Yes and yes.

26. Will zlib work on a 64-bit machine?

Yes. It has been tested on 64-bit machines, and has no dependence on any data types being limited to 32-bits in length. If you have any difficulties, please provide a complete problem report to [zlib@gzip.org](mailto:zlib@gzip.org)

27. Will zlib decompress data from the PKWare Data Compression Library?

No. The PKWare DCL uses a completely different compressed data format than does PKZIP and zlib. However, you can look in zlib's contrib/blast directory for a possible solution to your problem.

28. Can I access data randomly in a compressed stream?

No, not without some preparation. If when compressing you periodically use `Z_FULL_FLUSH`, carefully write all the pending data at those points, and keep an index of those locations, then you can start decompression at those points. You have to be careful to not use `Z_FULL_FLUSH` too often, since it can significantly degrade compression. Alternatively, you can scan a deflate stream once to generate an index, and then use that index for random access. See `examples/zran.c`.

29. Does zlib work on MVS, OS/390, CICS, etc.?

It has in the past, but we have not heard of any recent evidence. There were working ports of zlib 1.1.4 to MVS, but those links no longer work. If you know of recent, successful applications of zlib on these operating systems, please let us know. Thanks.

30. Is there some simpler, easier to read version of inflate I can look at to understand the deflate format?

First off, you should read RFC 1951. Second, yes. Look in zlib's contrib/puff directory.

31. Does zlib infringe on any patents?

As far as we know, no. In fact, that was originally the whole point behind zlib. Look here for some more information:

<http://www.gzip.org/#faq11>

32. Can zlib work with greater than 4 GB of data?

Yes. `inflate()` and `deflate()` will process any amount of data correctly. Each call of `inflate()` or `deflate()` is limited to input and output chunks of the maximum value that can be stored in the compiler's "unsigned int" type, but there is no limit to the number of chunks. Note however that the `strm.total_in` and `strm.total_out` counters may be limited to 4 GB. These counters are provided as a convenience and are not used internally by `inflate()` or `deflate()`. The application can easily set up its own counters updated after each call of `inflate()` or `deflate()` to count beyond 4 GB. `compress()` and `uncompress()` may be limited to 4 GB, since they operate in a single call. `gzseek()` and `gztell()` may be limited to 4 GB depending on how zlib is compiled. See the `zlibCompileFlags()` function in `zlib.h`.

The word "may" appears several times above since there is a 4 GB limit only if the compiler's "long" type is 32 bits. If the compiler's "long" type is 64 bits, then the limit is 16 exabytes.

33. Does zlib have any security vulnerabilities?

The only one that we are aware of is potentially in `gzprintf()`. If zlib is compiled to use `sprintf()` or `vsprintf()`, then there is no protection against a buffer overflow of an 8K string space (or other value as set by `gzbuffer()`), other than the caller of `gzprintf()` assuring that the output will not exceed 8K. On the other hand, if zlib is compiled to use `snprintf()` or `vsprintf()`, which should normally be the case, then there is no vulnerability. The `./configure` script will display warnings if an insecure variation of `sprintf()` will be used by `gzprintf()`. Also the `zlibCompileFlags()` function will return information on what variant of `sprintf()` is used by `gzprintf()`.

If you don't have `snprintf()` or `vsprintf()` and would like one, you can find a portable implementation here:

<http://www.ijs.si/software/snprintf/>

Note that you should be using the most recent version of zlib. Versions 1.1.3 and before were subject to a double-free vulnerability, and versions 1.2.1 and 1.2.2 were subject to an access exception when decompressing invalid compressed data.

34. Is there a Java version of zlib?

Probably what you want is to use zlib in Java. zlib is already included as part of the Java SDK in the `java.util.zip` package. If you really want

a version of zlib written in the Java language, look on the zlib home page for links: <http://zlib.net/> .

35. I get this or that compiler or source-code scanner warning when I crank it up to maximally-pedantic. Can't you guys write proper code?

Many years ago, we gave up attempting to avoid warnings on every compiler in the universe. It just got to be a waste of time, and some compilers were downright silly as well as contradicted each other. So now, we simply make sure that the code always works.

36. Valgrind (or some similar memory access checker) says that deflate is performing a conditional jump that depends on an uninitialized value. Isn't that a bug?

No. That is intentional for performance reasons, and the output of deflate is not affected. This only started showing up recently since zlib 1.2.x uses `malloc()` by default for allocations, whereas earlier versions used `calloc()`, which zeros out the allocated memory. Even though the code was correct, versions 1.2.4 and later was changed to not stimulate these checkers.

37. Will zlib read the (insert any ancient or arcane format here) compressed data format?

Probably not. Look in the `comp.compression` FAQ for pointers to various formats and associated software.

38. How can I encrypt/decrypt zip files with zlib?

zlib doesn't support encryption. The original PKZIP encryption is very weak and can be broken with freely available programs. To get strong encryption, use GnuPG, <http://www.gnupg.org/> , which already includes zlib compression. For PKZIP compatible "encryption", look at <http://www.info-zip.org/>

39. What's the difference between the "gzip" and "deflate" HTTP 1.1 encodings?

"gzip" is the gzip format, and "deflate" is the zlib format. They should probably have called the second one "zlib" instead to avoid confusion with the raw deflate compressed data format. While the HTTP 1.1 RFC 2616 correctly points to the zlib specification in RFC 1950 for the "deflate" transfer encoding, there have been reports of servers and browsers that incorrectly produce or expect raw deflate data per the deflate specification in RFC 1951, most notably Microsoft. So even though the "deflate" transfer encoding using the zlib format would be the more

efficient approach (and in fact exactly what the zlib format was designed for), using the "gzip" transfer encoding is probably more reliable due to an unfortunate choice of name on the part of the HTTP 1.1 authors.

Bottom line: use the gzip format for HTTP 1.1 encoding.

40. Does zlib support the new "Deflate64" format introduced by PKWare?

No. PKWare has apparently decided to keep that format proprietary, since they have not documented it as they have previous compression formats. In any case, the compression improvements are so modest compared to other more modern approaches, that it's not worth the effort to implement.

41. I'm having a problem with the zip functions in zlib, can you help?

There are no zip functions in zlib. You are probably using minizip by Giles Vollant, which is found in the contrib directory of zlib. It is not part of zlib. In fact none of the stuff in contrib is part of zlib. The files in there are not supported by the zlib authors. You need to contact the authors of the respective contribution for help.

42. The match.asm code in contrib is under the GNU General Public License.

Since it's part of zlib, doesn't that mean that all of zlib falls under the GNU GPL?

No. The files in contrib are not part of zlib. They were contributed by other authors and are provided as a convenience to the user within the zlib distribution. Each item in contrib has its own license.

43. Is zlib subject to export controls? What is its ECCN?

zlib is not subject to export controls, and so is classified as EAR99.

44. Can you please sign these lengthy legal documents and fax them back to us so that we can use your software in our product?

No. Go away. Shoo.

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/FAQ
```

No license file was found, but licenses were detected in source scan.

```
/* inftrees.h -- header to use inftrees.c
```

```
* Copyright (C) 1995-2005, 2010 Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```

```
*/
```

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inftrees.h

No license file was found, but licenses were detected in source scan.

/\* gzappend -- command to append to a gzip file

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version 1.2, 11 Oct 2012

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\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzappend.c

No license file was found, but licenses were detected in source scan.

/\* deflate.h -- internal compression state

\* Copyright (C) 1995-2016 Jean-loup Gailly

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/deflate.h

No license file was found, but licenses were detected in source scan.

/\*

Additional tools for Minizip

Code: Xavier Roche '2004

License: Same as ZLIB (www.gzip.org)

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/mztools.h

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/mztools.c

No license file was found, but licenses were detected in source scan.

/\* unzip.h -- IO for uncompress .zip files using zlib

Version 1.1, February 14h, 2010

part of the MiniZip project - ( <http://www.winimage.com/zLibDll/minizip.html> )

Copyright (C) 1998-2010 Gilles Vollant (minizip) ( <http://www.winimage.com/zLibDll/minizip.html> )

Modifications of Unzip for Zip64

Copyright (C) 2007-2008 Even Rouault

Modifications for Zip64 support on both zip and unzip

Copyright (C) 2009-2010 Mathias Svensson ( <http://result42.com> )

For more info read MiniZip\_info.txt

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Changes



See header of unzip64.c

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/unzip.h

No license file was found, but licenses were detected in source scan.

/\* gzjoin -- command to join gzip files into one gzip file

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version 1.2, 14 Aug 2012

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Mark Adler madler@alumni.caltech.edu

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzjoin.c

No license file was found, but licenses were detected in source scan.

/\* crc32.c -- compute the CRC-32 of a data stream

\* Copyright (C) 1995-2006, 2010, 2011, 2012, 2016 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*

\* Thanks to Rodney Brown <rbrown64@csc.com.au> for his contribution of faster

\* CRC methods: exclusive-oring 32 bits of data at a time, and pre-computing

\* tables for updating the shift register in one step with three exclusive-ors

\* instead of four steps with four exclusive-ors. This results in about a

\* factor of two increase in speed on a Power PC G4 (PPC7455) using gcc -O3.

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/crc32.c  
No license file was found, but licenses were detected in source scan.

/\* inffast.c -- fast decoding

\* Copyright (C) 1995-2017 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inffast.c  
No license file was found, but licenses were detected in source scan.

/\* zutil.c -- target dependent utility functions for the compression library

\* Copyright (C) 1995-2017 Jean-loup Gailly

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zutil.c  
No license file was found, but licenses were detected in source scan.

/\* inflate.h -- internal inflate state definition

\* Copyright (C) 1995-2016 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inflate.h  
No license file was found, but licenses were detected in source scan.

/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.11, January 15th, 2017

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jloup@gzip.org      madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), [rfc1951](http://tools.ietf.org/html/rfc1951) (deflate format) and [rfc1952](http://tools.ietf.org/html/rfc1952) (gzip format).

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zlib.h

No license file was found, but licenses were detected in source scan.

/\* gzguts.h -- zlib internal header definitions for gz\* operations

\* Copyright (C) 2004, 2005, 2010, 2011, 2012, 2013, 2016 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzguts.h

No license file was found, but licenses were detected in source scan.

/\* zip.h -- IO on .zip files using zlib

Version 1.1, February 14h, 2010

part of the MiniZip project - ( <http://www.winimage.com/zLibDll/minizip.html> )

Copyright (C) 1998-2010 Gilles Vollant (minizip) ( <http://www.winimage.com/zLibDll/minizip.html> )

Modifications for Zip64 support

Copyright (C) 2009-2010 Mathias Svensson ( <http://result42.com> )

For more info read MiniZip\_info.txt

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#### Changes

See header of zip.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/zip.h

No license file was found, but licenses were detected in source scan.

/\* inftrees.c -- generate Huffman trees for efficient decoding

\* Copyright (C) 1995-2017 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inftrees.c

No license file was found, but licenses were detected in source scan.

/\* inflate.c -- zlib decompression

\* Copyright (C) 1995-2016 Mark Adler

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\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inflate.c

No license file was found, but licenses were detected in source scan.

/\* zpipe.c: example of proper use of zlib's inflate() and deflate()

Not copyrighted -- provided to the public domain

Version 1.4 11 December 2005 Mark Adler \*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/zpipe.c

No license file was found, but licenses were detected in source scan.

## ZLIB DATA COMPRESSION LIBRARY

zlib 1.2.11 is a general purpose data compression library. All the code is thread safe. The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), [rfc1951](http://tools.ietf.org/html/rfc1951) (deflate format) and [rfc1952](http://tools.ietf.org/html/rfc1952) (gzip format).

All functions of the compression library are documented in the file `zlib.h` (volunteer to write man pages welcome, contact [zlib@gzip.org](mailto:zlib@gzip.org)). A usage example of the library is given in the file `test/example.c` which also tests that the library is working correctly. Another example is given in the file `test/minigzip.c`. The compression library itself is composed of all source files in the root directory.

To compile all files and run the test program, follow the instructions given at the top of `Makefile.in`. In short `./configure; make test`, and if that goes well, `make install` should work

for most flavors of Unix. For Windows, use one of the special makefiles in `win32/` or `contrib/vstudio/`. For VMS, use `make_vms.com`.

Questions about zlib should be sent to [<zlib@gzip.org>](mailto:zlib@gzip.org), or to Gilles Vollant [<info@winimage.com>](mailto:info@winimage.com) for the Windows DLL version. The zlib home page is <http://zlib.net/>. Before reporting a problem, please check this site to verify that you have the latest version of zlib; otherwise get the latest version and check whether the problem still exists or not.

PLEASE read the zlib FAQ [http://zlib.net/zlib\\_faq.html](http://zlib.net/zlib_faq.html) before asking for help.

Mark Nelson [<markn@ieee.org>](mailto:markn@ieee.org) wrote an article about zlib for the Jan. 1997 issue of Dr. Dobbs's Journal; a copy of the article is available at <http://marknelson.us/1997/01/01/zlib-engine/>.

The changes made in version 1.2.11 are documented in the file `ChangeLog`.

Unsupported third party contributions are provided in directory `contrib/`.

zlib is available in Java using the `java.util.zip` package, documented at <http://java.sun.com/developer/technicalArticles/Programming/compression/>.

A Perl interface to zlib written by Paul Marquess [<pmqs@cpan.org>](mailto:pmqs@cpan.org) is available at CPAN (Comprehensive Perl Archive Network) sites, including

<http://search.cpan.org/~pmqs/IO-Compress-Zlib/> .

A Python interface to zlib written by A.M. Kuchling <amk@amk.ca> is available in Python 1.5 and later versions, see <http://docs.python.org/library/zlib.html> .

zlib is built into tcl: <http://wiki.tcl.tk/4610> .

An experimental package to read and write files in .zip format, written on top of zlib by Gilles Vollant <info@winimage.com>, is available in the contrib/minizip directory of zlib.

Notes for some targets:

- For Windows DLL versions, please see win32/DLL\_FAQ.txt
- For 64-bit Irix, deflate.c must be compiled without any optimization. With -O, one libpng test fails. The test works in 32 bit mode (with the -n32 compiler flag). The compiler bug has been reported to SGI.
- zlib doesn't work with gcc 2.6.3 on a DEC 3000/300LX under OSF/1 2.1 it works when compiled with cc.
- On Digital Unix 4.0D (formely OSF/1) on AlphaServer, the cc option -std1 is necessary to get gzprintf working correctly. This is done by configure.
- zlib doesn't work on HP-UX 9.05 with some versions of /bin/cc. It works with other compilers. Use "make test" to check your compiler.
- gzdopen is not supported on RISCOS or BEOS.
- For PalmOs, see <http://palmzlib.sourceforge.net/>

Acknowledgments:

The deflate format used by zlib was defined by Phil Katz. The deflate and zlib specifications were written by L. Peter Deutsch. Thanks to all the people who reported problems and suggested various improvements in zlib; they are too numerous to cite here.

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Jean-loup Gailly      Mark Adler  
jloup@gzip.org      madler@alumni.caltech.edu

If you use the zlib library in a product, we would appreciate *\*not\** receiving lengthy legal documents to sign. The sources are provided for free but without warranty of any kind. The library has been entirely written by Jean-loup Gailly and Mark Adler; it does not include third-party code.

If you redistribute modified sources, we would appreciate that you include in the file ChangeLog history information documenting your changes. Please read the FAQ for more information on the distribution of modified source versions.

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/README
No license file was found, but licenses were detected in source scan.
```

```
/* minigzip.c -- simulate gzip using the zlib compression library
* Copyright (C) 1995-2006, 2010, 2011, 2016 Jean-loup Gailly
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/test/minigzip.c
No license file was found, but licenses were detected in source scan.
```

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Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zlib.3
```

No license file was found, but licenses were detected in source scan.

```
/* inffast.h -- header to use inffast.c
```

```
* Copyright (C) 1995-2003, 2010 Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inffast.h
```

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```
/* zran.c -- example of zlib/gzip stream indexing and random access
```

```
* Copyright (C) 2005, 2012 Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```

```
Version 1.1 29 Sep 2012 Mark Adler */
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/zran.c
```

No license file was found, but licenses were detected in source scan.

```
/* inffback.c -- inflate using a call-back interface
```

```
* Copyright (C) 1995-2016 Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inffback.c
```

No license file was found, but licenses were detected in source scan.

```
/* gzlog.h
```

```
Copyright (C) 2004, 2008, 2012 Mark Adler, all rights reserved
```

```
version 2.2, 14 Aug 2012
```

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Mark Adler madler@alumni.caltech.edu

\*/

Found in path(s):

\*/opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzlog.h

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/\* fitblk.c: example of fitting compressed output to a specified size

Not copyrighted -- provided to the public domain

Version 1.1 25 November 2004 Mark Adler \*/

Found in path(s):

\*/opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/fitblk.c

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/\* zlib.c -- zlib functions common to reading and writing gzip files

\* Copyright (C) 2004-2017 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\*/opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzlib.c

No license file was found, but licenses were detected in source scan.

/\* infcover.c -- test zlib's inflate routines with full code coverage

\* Copyright (C) 2011, 2016 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\*/opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/test/infcover.c

# 1.588 zlib1g 1:1.2.11.dfsg-2ubuntu1.5

## 1.588.1 Available under license :

/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.11, January 15th, 2017

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Jean-loup Gailly      Mark Adler  
jloup@gzip.org      madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

\*/

# 1.589 libsemanage-common 2.9-9.el8\_6

## 1.589.1 Available under license :

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# 1.590 expat 2.2.9-1ubuntu0.6

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## 1.591 go-co-op-gocron 1.17.0

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## 1.593 libverto 0.3.2-2.el8

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```
WEV @@ WEV[B "1
```

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it
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```
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```

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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Version 3, 29 June 2007

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@smallexample

@var{one line to give the program's name and a brief idea of what it does.}

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@smallexample

```
@var{program} Copyright (C) @var{year} @var{name of author}
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for details type @samp{show w}.
This is free software, and you are welcome to redistribute it
under certain conditions; type @samp{show c} for details.
@end smallexample
```

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But

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# 1.617 libassuan 2.5.1-3.el8

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without

changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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Adel Gadllah

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# 1.623 cracklib 2.9.6-15.el8

## 1.623.1 Available under license :

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline

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Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

That's all there is to it!  
This package was debianized by Jean Pierre LeJacq <jplejacq@quoininc.com> on Wed, 25 Feb 1998. Martin Pitt <martin@piware.de> was the package's maintainer up to version 2.7.19-1. The current maintainer is Jan Dittberner <jandd@debian.org>.

It was downloaded from <http://sourceforge.net/projects/cracklib>

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Modifications: Added cronjob, configuration file, and man pages.

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This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett. Cracklib's license was changed from the GPL to the LGPL after consensus of all previous developers in October 2008, effective with release 2.8.15 released on 2009-11-19. See the email discussion below for both license changes.

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EFFECTIVE

OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)

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Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML

looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=  
r=20

GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists  
=2Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18

I understand that, and you're welcome to bring it up with Alec directly

and see if he wants to relicense his code as LGPL... but at this point,  
it was enough to just get it consistent and documented as to what it was  
released under. This wasn't  
actually a license change, just a  
clarification of the licensing that was already in place.=20

-- Nathan  
=20

-----  
Nathan Neulinger EMail: nneul@um...  
University of Missouri - Rolla Phone: (573) 341-6679  
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----  
> From: cracklib-devel-bounces@li...  
> [mailto:cracklib-devel-bounces@li...] On Behalf Of  
> Mike Frysinger  
> Sent: Monday, October 01, 2007 8:15 PM  
> To: cracklib-devel@li...  
> Subject: [Cracklib-devel] cracklib license  
>=20  
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing  
> libraries under  
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists  
> -mike

Re: [Cracklib-devel] cracklib license  
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan wrote:

> I understand that, and you're welcome to bring it up with Alec directly  
> and see if he wants to relicense his code as LGPL... but at this point,  
> it was enough to just get it consistent and documented as to what it was  
> released under. This wasn't actually a license change, just a  
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20  
GPL-2 ... it was a modified artistic license ... i didnt notice the license=  
=20  
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=  
eir=20  
applications are also GPL-2 which imo is just wrong. it isnt the place of =  
a=20

library to dictact to application writes what license they should be using.=  
=20  
thus LGPL-2.1 enters to fill this void.  
=2Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan

=20

-----  
Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----

> From: cracklib-devel-bounces@li...

> [mailto:cracklib-devel-bounces@li...] On Behalf Of

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:33 PM

> To: Neulinger, Nathan

>

Cc: cracklib-devel@li...; Alec Muffett

> Subject: Re: [Cracklib-devel] cracklib license

>=20

> On Monday 01 October 2007, Neulinger, Nathan wrote:

>> I understand that, and you're welcome to bring it up with Alec

> directly

>> and see if he wants to relicense his code as LGPL... but at this

> point,

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Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

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If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32

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In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license  
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

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yes. go for it. thanks++

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Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message

as HTML

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Nathan Neulinger is the only one who can actually make said change ...

-mike

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BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.

-----

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use

nneul@neulinger.org.

-----

From alecm@crypticide.com Mon Oct 1 12:26:03 2007

Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);

Mon, 1 Oct 2007 12:26:03 -0500

Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);

Mon, 1 Oct 2007 12:26:02 -0500

Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000

Received: from smtp1.srv.mst.edu (131.151.1.43)

by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000

Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])

by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtp020623

for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500

Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])

by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311

for <nneul@neulinger.org>; Mon, 1 Oct

2007 09:59:50 -0700 (PDT)

Received: from [82.68.43.14] (helo=[192.168.1.3])

by rutherford.zen.co.uk with esmtp (Exim 4.50)

id 1IcOcX-0004Qt-6L

for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000

Mime-Version: 1.0 (Apple Message framework v752.2)

In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>

References: <1190922867.3457.147.camel@localhost.localdomain>

<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>

<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>

Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed

Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>

Content-Transfer-Encoding: 7bit

From: Alec Muffett <alecm@crypticide.com>  
Subject: Re: cracklib license  
Date: Mon, 1 Oct 2007 17:59:46 +0100  
To: Nathan Neulinger <nneul@neulinger.org>  
X-Mailer: Apple Mail (2.752.2)  
X-Originating-Rutherford-IP: [82.68.43.14]  
Return-Path: alecm@crypticide.com  
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]  
Status:  
RO  
Content-Length: 585  
Lines: 21

>  
> ----- Forwarded message -----  
> From: Neulinger, Nathan <nneul@umr.edu>  
> Date: Sep 27, 2007 2:58 PM  
> Subject: RE: cracklib license  
> To: alecm@crypto.dircon.co.uk  
>  
> Any chance you could write me a self-contained email stating clearly  
> that the license is being changed to GPL, so I could include that  
> email  
> in the repository and clean up the repository/tarballs? I have all the  
> original discussion, but something succinct and self contained  
> would be  
> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

-----  
EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected  
in released code until Nov 2009 - slow release cycle...)  
-----

Discussion thread from mailing list archive, with approval from everyone actively  
involved or holding original licensing rights included.

[Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML

looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=  
r=20

GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists

=2Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18

I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.=20

-- Nathan

=20

-----  
Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----

> From: cracklib-devel-bounces@li...

> [mailto:cracklib-devel-bounces@li...] On Behalf Of

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:15 PM

> To: cracklib-devel@li...

> Subject: [Cracklib-devel] cracklib license

>=20

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Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan

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Re: [Cracklib-devel]

cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

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> Cc: cracklib-devel@li...; Alec Muffett

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-----  
From

alecm@crypticide.com Mon Oct 1 12:26:03 2007

Received: from umr-exproto2.cc.umn.edu ([131.151.0.192]) by UMR-CMAIL1.umn.edu with Microsoft SMTPSVC(6.0.3790.3959);

Mon, 1 Oct 2007 12:26:03 -0500

Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umn.edu with Microsoft SMTPSVC(6.0.3790.3959);

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Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000

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for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500

Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])

by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311

for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)

Received: from

[82.68.43.14] (helo=[192.168.1.3])

by rutherford.zen.co.uk with esmtp (Exim 4.50)

id 1IcOcX-0004Qt-6L



for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000  
Mime-Version: 1.0 (Apple Message framework v752.2)  
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
References: <1190922867.3457.147.camel@localhost.localdomain>  
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>  
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
Content-Type: text/plain; charset=US-ASCII; delp=yes; format=flowed  
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>  
Content-Transfer-Encoding: 7bit  
From: Alec Muffett <alecm@crypticide.com>  
Subject: Re: cracklib license  
Date: Mon, 1 Oct 2007 17:59:46 +0100  
To: Nathan Neulinger <nneul@neulinger.org>  
X-Mailer: Apple Mail (2.752.2)  
X-Originating-Rutherford-IP: [82.68.43.14]  
Return-Path: alecm@crypticide.com  
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]  
Status: RO  
Content-Length:  
585  
Lines: 21

>  
> ----- Forwarded message -----  
> From: Neulinger, Nathan <nneul@umr.edu>  
> Date: Sep 27, 2007 2:58 PM  
> Subject: RE: cracklib license  
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>  
> Any chance you could write me a self-contained email stating clearly  
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> ideal.

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Happy now? :-)

-a

## 1.624 mpfr 3.1.6-1.el8

## 1.624.1 Available under license :

@c MPFR tweak: Have this in mpfr.texi to help texinfo-mode

@c @node GNU Free Documentation License

@c @appendixsec GNU Free Documentation License

@cindex GNU Free Documentation License

@center Version 1.2, November 2002

@display

Copyright @copyright{ } 2000,2001,2002 Free Software Foundation, Inc.

51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA

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@end display

@enumerate 0

@item

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```
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```

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```
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```

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## 1.626 libyaml 0.1.7-5.el8

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Any executables

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## 1.628 libpeas 1.22.0-6.el8

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# 1.639 use-sync-external-store 1.2.0

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## 1.640 @types/hast 2.3.4

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## 1.641 npm 6.14.18

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// Original can be found at:

// <https://bitbucket.org/lindenlab/lld>

// Modifications by Joshua Bell [inexorable@tash@gmail.com](mailto:inexorable@tash@gmail.com)

// <https://github.com/inexorable/polyfill>

// ES3/ES5 implementation of the Khronos Typed Array Specification

// Ref: <http://www.khronos.org/registry/typedarray/specs/latest/>

// Date: 2011-02-01

//

// Variations:

// \* Allows `typed_array.get/set()` as alias for subscripts (`typed_array[]`)

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wcwidth.js: JavaScript Porting of Markus Kuhn's wcwidth() Implementation

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This package is a JavaScript porting of `wcwidth()` implementation  
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validate-npm-package-license

=====

Give me a string and I'll tell you if it's a valid npm package license string.

```
```javascript
var valid = require('validate-npm-package-license');
```
```

SPDX license identifiers are valid license strings:

```
```javascript
```

```
var assert = require('assert');  
var validSPDXExpression = {  
  validForNewPackages: true,  
  validForOldPackages: true,  
  spdx: true  
};
```

```
assert.deepEqual(valid('MIT'), validSPDXExpression);  
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);  
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);  
assert.deepEqual(valid('ISC'), validSPDXExpression);  
...  
The function will return a warning and suggestion for nearly-correct license identifiers:
```

```
```javascript
```

```
assert.deepEqual(  
  valid('Apache 2.0'),  
  {  
    validForOldPackages: false,  
    validForNewPackages: false,  
    warnings: [  
      'license should be ' +  
      'a valid SPDX license expression (without "LicenseRef"), ' +  
      "'UNLICENSED', or ' +  
      "'SEE LICENSE IN <filename>'",  
      'license is similar to the valid expression "Apache-2.0"  
    ]  
  }  
);  
...  
SPDX expressions are valid, too ...
```

```
```javascript
```

```
// Simple SPDX license expression for dual licensing  
assert.deepEqual(  
  valid('(GPL-3.0-only OR BSD-2-Clause)'),  
  validSPDXExpression  
);  
...  
... except if they contain `LicenseRef`:
```

```
```javascript
```

```
var warningAboutLicenseRef = {
```

```

validForOldPackages: false,
validForNewPackages: false,
spdx: true,
warnings: [
  'license should be ' +
  'a valid SPDX license expression (without "LicenseRef")', ' +
  "'UNLICENSED', or ' +
  "'SEE LICENSE IN <filename>",
]
};

```

```

assert.deepEqual(
  valid('LicenseRef-Made-Up'),
  warningAboutLicenseRef
);

```

```

assert.deepEqual(
  valid('(MIT OR LicenseRef-Made-Up)'),
  warningAboutLicenseRef
);
```

```

If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package and point users there:

```

```javascript
assert.deepEqual(
  valid('SEE
LICENSE IN LICENSE.txt'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'LICENSE.txt'
  }
);

```

```

assert.deepEqual(
  valid('SEE LICENSE IN license.md'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'license.md'
  }
);
```

```

If there aren't any licensing terms, use `UNLICENSED`:

```
```javascript
var unlicensed = {
  validForNewPackages: true,
  validForOldPackages: true,
  unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENSED'), unlicensed);
```
```

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""""

# spdx-license-ids

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## ## Installation

[Download JSON directly](https://raw.githubusercontent.com/shininn/spdx-license-ids/master/index.json), or  
[use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/about-npm/):

...

```
npm install spdx-license-ids
```

...

## ## [Node.js](https://nodejs.org/) API

```
### require('spdx-license-ids')
```

Type: `string[]`

All license IDs except for the currently deprecated ones.

```
```javascript
```

```
const ids = require('spdx-license-ids');
```

```
//=> ['0BSD', 'AAL', 'ADSL', 'AFL-1.1', 'AFL-1.2', 'AFL-2.0', 'AFL-2.1', 'AFL-3.0', 'AGPL-1.0-only', ...]
```

```
ids.includes('BSD-3-Clause'); //=> true
```

```
ids.includes('CC-BY-1.0'); //=>
```

```
  true
```

```
ids.includes('GPL-3.0'); //=> false
```

```
```
```

```
### require('spdx-license-ids/deprecated')
```

Type: `string[]`

Deprecated license IDs.

```
```javascript
```

```
const deprecatedIds = require('spdx-license-ids/deprecated');
```

```
//=> ['AGPL-1.0', 'AGPL-3.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', 'GPL-2.0', ...]
```

```
deprecatedIds.includes('BSD-3-Clause'); //=> false
```

```
deprecatedIds.includes('CC-BY-1.0'); //=> false
```

```
deprecatedIds.includes('GPL-3.0'); //=> true
```

```
```
```

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# 1.642 icu 70

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```
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layout: default
title: Legalities
parent: Release & Milestone Tasks
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(See the `find_textfiles`

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for

an example; there should be only two files to update.

## \*-makefile\*-

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## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, \*BSD)

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## Commands to generate dependency files

```

GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE= -Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation
rules
%. $(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%. $(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed "s^\($*\)\.o[ :]*^1.o $@ : /g\" > $@; \
[ -s $@ ] || rm -f $@'

%.d: $(srcdir)/%.cpp

```

```

@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed "\s^\($*\)\.o[ :]*\1.o $@ : /g\'" > $@; \
[ -s $@ ] || rm -f $@'

## Versioned libraries rules

%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@

```

```
## Bind internal references
```

```
# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic
```

```
# Dependencies [i.e. map files] for the final library
BIR_DEPS=
```

```
## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =
```

```
## End BSD-specific setup
```

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>

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If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c'
for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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The End

## 1.644 gabriel-vasile-mimetype 1.4.2

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## 1.646 leodido-go-urn 1.2.4

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2006-Jan-27

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#

.gitignore

#

```
builds/unix/pkg.m4
#
docs/FTL.TXT
docs/GPLv2.TXT
#
include/freetype/internal/fthash.h
#
src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/bdflib.c
src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
```



```
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/frandom/frandom.c
#
#
EOF
```

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### 0.18.1

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# 1.651 libncurses 6.2-0ubuntu2.1

## 1.651.1 Available under license :

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Current ncurses maintainer: Thomas Dickey <[dickey@invisible-island.net](mailto:dickey@invisible-island.net)>

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-- vile: txtmode file-encoding=utf-8

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-- vile:txtmode fc=72

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# 1.652 github.com/gabriel-vasile/mimetype v1.4.2

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# 1.653 coreutils 8.30-15.el8

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Version 3, 29 June 2007

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```
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```

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```
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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.



Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square

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## 1.662 librasm 0.0.3-5.el8

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Accompany the work with the complete corresponding

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@subheading END OF TERMS AND CONDITIONS

@page

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@smallexample

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```
@smallexample
```

```
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`Frob' (a library for tweaking knobs) written by James Random Hacker.
```

```
@var{signature of Ty Coon}, 1 April 1990
```

```
Ty Coon, President of Vice
```

```
@end smallexample
```

That's all there is to it!

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```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

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```
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```

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## 1.669 libuuid 2.34-0.1 ubuntu9.4

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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# 1.672 libnss-nisplus 2.31

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This package was debianized by Akira TAGOH <tagoh@debian.org> on Thu, 7 Mar 2002 01:05:25 +0900.

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# 1.678 github.com/aptible/supercronic v0.2.1

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# 1.681 ncurses 6.2-0ubuntu2.1

## 1.681.1 Available under license :

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`-- vile: txtmode file-encoding=utf-8`

## 1.682 libssh 0.9.6-10.el8\_8

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Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables

containing that work also fall under Section 6,

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# 1.688 zerolog 1.30.0

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# 1.690 githubcompelletiergotoml v1.9.4

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localtime.go, localtime\_test.go:

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Changes:

- \* Renamed files from civil\* to localtime\*.
- \* Package changed from civil to toml.
- \* 'Local' prefix added to all structs.

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```
* /opt/cola/permits/1805548026_1695840960.910981/0/ca-certificates-2023.2.60_v7.0.306-80.0.el8_8.src.rpm-cosi-expand-archive-5EOrwHRg/nssckbi.h
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```

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```
////
```

ca-legacy(8)

```
=====
```

:doctype: manpage

:man source: ca-legacy

NAME

```
----
```

ca-legacy - Manage the system configuration for legacy CA certificates

## SYNOPSIS

-----

`*ca-legacy* [COMMAND]`

## DESCRIPTION

-----

`ca-legacy(8)` is used to include or exclude a set of legacy Certificate Authority (CA) certificates in the system's list of trusted CA certificates.

The list of CA certificates and trust flags included in the `ca-certificates` package are based on the decisions made by Mozilla.org according to the Mozilla CA policy.

Occasionally, removal or distrust decisions made by Mozilla.org might be incompatible with the requirements or limitations of some applications that also use the CA certificates list in the Linux environment.

The `ca-certificates` package might keep some CA certificates included and trusted by default, as long as it is seen necessary by the maintainers, despite the fact that they have been removed by Mozilla. These certificates are called legacy CA certificates.

The general requirements to keep legacy CA certificates included and trusted might change over time, for example if functional limitations of software packages have been resolved. Future versions of the `ca-certificates` package might reduce the set of legacy CA certificates that are included and trusted by default.

The `ca-legacy(8)` command can be used to override the default behaviour.

The mechanisms to individually trust or distrust CA certificates as described in `update-ca-trust(8)` still apply.

## COMMANDS

-----

`*check*::`

The current configuration will be shown.

`*default*::`

Configure the system to use the default configuration, as recommended by the package maintainers.

`*disable*::`

Configure the system to explicitly disable legacy CA certificates.

Using this configuration, the system will use the set of included and trusted CA certificates as released by Mozilla.



**\*install\*::**

The configuration file will be read and the system configuration will be set accordingly. This command is executed automatically during upgrades of the ca-certificates package.

**FILES**

-----

/etc/pki/ca-trust/ca-legacy.conf::

A configuration file that will be used and modified by the ca-legacy command.

The contents of the configuration file will be read on package upgrades.

**AUTHOR**

-----

Written by Kai Engert.

Found in path(s):

\* /opt/cola/permits/1805548026\_1695840960.910981/0/ca-certificates-2023.2.60\_v7.0.306-80.0.el8\_8.src.rpm-cosi-expand-archive-5EOrwHRg/ca-legacy.8.txt

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////

update-ca-trust(8)

=====

:doctype: manpage

:man source: update-ca-trust

## NAME

----

update-ca-trust - manage consolidated and dynamic configuration of CA certificates and associated trust

## SYNOPSIS

-----

\*update-ca-trust\* ['COMMAND']

## DESCRIPTION

-----

update-ca-trust(8) is used to manage a consolidated and dynamic configuration feature of Certificate Authority (CA) certificates and associated trust.

The feature is available for new applications that read the consolidated configuration files found in the /etc/pki/ca-trust/extracted directory or that load the PKCS#11 module p11-kit-trust.so

Parts of the new feature are also provided in a way to make it useful for legacy applications.

Many legacy applications expect CA certificates and trust configuration in a fixed location, contained in files with particular path and name, or by referring to a classic PKCS#11 trust module provided by the NSS cryptographic library.

The dynamic configuration feature provides functionally compatible replacements for classic configuration files and for the classic NSS trust module named libnssckbi.

In order to enable legacy applications, that read the classic files or access the classic module, to make use of the new consolidated and dynamic configuration feature, the classic filenames have been changed to symbolic links. The symbolic links refer to dynamically created and consolidated output stored below the /etc/pki/ca-trust/extracted directory hierarchy.

The output is produced using the 'update-ca-trust' command (without parameters), or using the 'update-ca-trust extract' command.

In order to produce the output, a flexible set of source configuration is read, as described in section <<sourceconf,SOURCE CONFIGURATION>>.

In addition, the classic PKCS#11 module is replaced with a new PKCS#11 module (p11-kit-trust.so) that dynamically

reads the same source configuration.

[[sourceconf]]

## SOURCE CONFIGURATION

-----

The dynamic configuration feature uses several source directories that will be scanned for any number of source files. \*It is important to select the correct subdirectory for adding files, as the subdirectory defines how contained certificates will be trusted or distrusted, and which file formats are read.\*

Files in \*subdirectories below the directory hierarchy /usr/share/pki/ca-trust-source/\* contain CA certificates and trust settings in the PEM file format. The trust settings found here will be interpreted with a \*low priority\*.

Files in \*subdirectories below the directory hierarchy /etc/pki/ca-trust/source/\* contain CA certificates and trust settings in the PEM file format. The trust settings found here will be interpreted with a \*high priority\*.

.You may use the following rules of thumb to decide, whether your configuration files should be added to the /etc or rather to the /usr directory hierarchy:

\* If you are manually adding a configuration file to a system, you probably want it to override any other default configuration, and you most likely should add it to the respective subdirectory in the /etc hierarchy.

\* If you are creating a package that provides additional root CA certificates, that is intended for distribution to several computer systems, but you still want to allow the administrator to override your list, then your package should add your files to the respective subdirectory in the /usr hierarchy.

\* If you are creating a package that is supposed to override the default system trust settings, that is intended for distribution to several computer systems, then your package should install the files to the respective subdirectory in the /etc hierarchy.

.\*QUICK HELP 1\*:. To add a certificate in the simple PEM or DER file formats to the list of CAs trusted on the system:

\* add it as a new file to directory /etc/pki/ca-trust/source/anchors/

\* run 'update-ca-trust extract'

.\*QUICK HELP 2\*:. If your certificate is in the extended BEGIN TRUSTED file format (which may contain distrust/blacklist trust flags, or trust flags for usages other than TLS) then:

\* add it as a new file to directory /etc/pki/ca-trust/source/

\* run 'update-ca-trust extract'

.In order to offer simplicity and flexibility, the way certificate files are treated depends on the subdirectory they are installed to.

\* simple trust anchors subdirectory: /usr/share/pki/ca-trust-source/anchors/ or /etc/pki/ca-trust/source/anchors/

\*

simple blacklist (distrust) subdirectory: /usr/share/pki/ca-trust-source/blacklist/ or /etc/pki/ca-trust/source/blacklist/

\* extended format directory: /usr/share/pki/ca-trust-source/ or /etc/pki/ca-trust/source/

.In the main directories /usr/share/pki/ca-trust-source/ or /etc/pki/ca-trust/source/ you may install one or multiple files in the following file formats:

\* certificate files that include trust flags,

in the BEGIN/END TRUSTED CERTIFICATE file format

(any file name), which have been created using the openssl x509 tool and the -addreject -addtrust options.

Bundle files with multiple certificates are supported.

\* files in the p11-kit file format using the .p11-kit file name extension, which can (e.g.) be used to distrust certificates based on serial number and issuer name, without having the full certificate available.

(This is currently an undocumented format, to be extended later.

For examples of the supported formats, see the files shipped with the ca-certificates package.)

\* certificate files without trust flags in either the DER file format or in the PEM (BEGIN/END CERTIFICATE) file format (any file name). Such files will be added with neutral trust, neither trusted nor distrusted.

They will simply be known to the system, which might be helpful to assist cryptographic software in constructing chains of certificates.

(If you want a CA certificate in these file formats to be trusted, you should remove it from this directory and move it to the ./anchors subdirectory instead.)

In the anchors subdirectories /usr/share/pki/ca-trust-source/anchors/ or /etc/pki/ca-trust/source/anchors/ you may install one or multiple certificates in either the DER file format or in the PEM (BEGIN/END CERTIFICATE) file format.

Each certificate will be treated as \*trusted\* for all purposes.

In the blacklist subdirectories /usr/share/pki/ca-trust-source/blacklist/ or /etc/pki/ca-trust/source/blacklist/ you may install

one or multiple certificates in either the DER file format or in the PEM (BEGIN/END CERTIFICATE) file format.

Each certificate will be treated as \*distrusted\* for all purposes.

Please refer to the x509(1) manual page for the documentation of the BEGIN/END CERTIFICATE and BEGIN/END TRUSTED CERTIFICATE file formats.

Applications that rely on a static file for a list of trusted CAs may load one of the files found in the /etc/pki/ca-trust/extracted directory. After modifying any file in the /usr/share/pki/ca-trust-source/ or /etc/pki/ca-trust/source/ directories or in any of their subdirectories, or after adding a file, it is necessary to run the 'update-ca-trust extract' command, in order to update the consolidated files in /etc/pki/ca-trust/extracted/ .

Applications that load the classic PKCS#11 module using filename libnssckbi.so (which has been converted into a symbolic link pointing to the new module) and any application capable of loading PKCS#11 modules and loading p11-kit-trust.so, will benefit from the dynamically merged set of certificates and trust information stored in the /usr/share/pki/ca-trust-source/ and /etc/pki/ca-trust/source/ directories.

[[extractconf]]

## EXTRACTED CONFIGURATION

-----

The directory /etc/pki/ca-trust/extracted/ contains generated CA certificate bundle files which are created and updated, based on the <<sourceconf,SOURCE CONFIGURATION>> by running the 'update-ca-trust extract' command.

If your application isn't able to load the PKCS#11 module p11-kit-trust.so, then you can use these files in your application to load a list of global root CA certificates.

Please never manually edit the files stored in this directory, because your changes will be lost and the files automatically overwritten, each time the 'update-ca-trust extract' command gets executed.

In order to install new trusted or distrusted certificates, please rather install them in the respective subdirectory below the /usr/share/pki/ca-trust-source/ or /etc/pki/ca-trust/source/ directories, as described in the <<sourceconf,SOURCE CONFIGURATION>> section.

The directory /etc/pki/ca-trust/extracted/java/ contains a CA certificate bundle in the java keystore file format. Distrust information cannot be represented in this file format, and distrusted certificates are missing from these files. File cacerts contains CA certificates trusted for TLS server authentication.

The directory /etc/pki/ca-trust/extracted/openssl/ contains CA certificate bundle files in the extended BEGIN/END TRUSTED CERTIFICATE file format, as described in the x509(1) manual page. File ca-bundle.trust.crt contains the full set of all trusted or distrusted certificates, including the associated trust flags.

The directory /etc/pki/ca-trust/extracted/pem/ contains CA certificate bundle files in the simple BEGIN/END CERTIFICATE file format, as described in the x509(1) manual page. Distrust information cannot be represented in this file format, and distrusted

certificates are missing from these files.

File `tls-ca-bundle.pem` contains CA certificates trusted for TLS server authentication.

File `email-ca-bundle.pem` contains CA certificates trusted for E-Mail protection.

File `objsign-ca-bundle.pem` contains CA certificates trusted for code signing.

The directory `/etc/pki/ca-trust/extracted/edk2/` contains a CA certificate bundle ("`cacerts.bin`") in the "sequence of `EFI_SIGNATURE_LISTs`" format, defined in the `UEFI-2.7` specification, sections "31.4.1 Signature Database" and "`EFI_CERT_X509_GUID`". Distrust information cannot be represented in this file format, and distrusted certificates are missing from these files. File "`cacerts.bin`" contains CA certificates trusted for TLS server authentication.

## COMMANDS

-----

(absent/empty command)::

Same as the `*extract*` command described below. (However, the command may print fewer warnings, as this command is being run during rpm package installation, where non-fatal status output is undesired.)

`*extract*::`

Instruct `update-ca-trust` to scan the `<<sourceconf,SOURCE CONFIGURATION>>` and produce updated versions of the consolidated configuration files stored below the `/etc/pki/ca-trust/extracted` directory hierarchy.

## FILES

-----

`/etc/pki/tls/certs/ca-bundle.crt::`

Classic filename, file contains a list of CA certificates trusted for TLS server authentication usage, in the simple `BEGIN/END CERTIFICATE` file format, without distrust information.

This file is a symbolic link that refers to the consolidated output created by the `update-ca-trust` command.

`/etc/pki/tls/certs/ca-bundle.trust.crt::`

Classic filename, file contains a list of CA certificates in the extended `BEGIN/END TRUSTED CERTIFICATE` file format, which includes trust (and/or distrust) flags specific to certificate usage.

This file is a symbolic link that refers to the consolidated output created by the `update-ca-trust` command.

`/etc/pki/java/cacerts::`

Classic filename, file contains a list of

CA certificates trusted for TLS server authentication usage, in the Java keystore file format, without distrust information.

This file is a symbolic link that refers to the consolidated output created by the `update-ca-trust` command.

/usr/share/pki/ca-trust-source::

Contains multiple, low priority source configuration files as explained in section <<sourceconf,SOURCE CONFIGURATION>>. Please pay attention to the specific meanings of the respective subdirectories.

/etc/pki/ca-trust/source::

Contains multiple, high priority source configuration files as explained in section <<sourceconf,SOURCE CONFIGURATION>>. Please pay attention to the specific meanings of the respective subdirectories.

/etc/pki/ca-trust/extracted::

Contains consolidated and automatically generated configuration files for consumption by applications, which are created using the 'update-ca-trust extract' command. Don't edit files in this directory, because they will be overwritten.

See section <<extractconf,EXTRACTED CONFIGURATION>> for additional details.

AUTHOR

-----

Written by Kai Engert and Stef Walter.

Found in path(s):

\* /opt/cola/permits/1805548026\_1695840960.910981/0/ca-certificates-2023.2.60\_v7.0.306-80.0.el8\_8.src.rpm-cosi-expand-archive-5EOrwHRg/update-ca-trust.8.txt

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\* /opt/cola/permits/1807694225\_1695708964.3521636/0/okeuday-uuid-v1-3-1-0-gd4459ce-1-tar-gz/okeuday-uuid-56afd9f/src/uuid.erl

# 1.699 [github.com/knadh/koanf/v2](https://github.com/knadh/koanf/v2) v2.0.1

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## 1.707 gmp 2:6.2.0+dfsg-4ubuntu0.1

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Version 3, 29 June 2007

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Changes:

- \* Renamed files from civil\* to localtime\*.
- \* Package changed from civil to toml.
- \* 'Local' prefix added to all structs.

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# 1.716 maglev-cloud-kvstore-go-sdk-go-sdk-src 0.0.5

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```

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\* /opt/cola/permits/1816520564\_1710837502.5770457/0/kvstore-go-sdk-master-zip/kvstore-go-sdk-master/go-sdk-example/service/service.go



```

* /opt/cola/permits/1816520564_1710837502.5770457/0/kvstore-go-sdk-master-zip/kvstore-go-sdk-master/go-sdk-
example/main.go
* /opt/cola/permits/1816520564_1710837502.5770457/0/kvstore-go-sdk-master-zip/kvstore-go-sdk-master/go-
sdk/models.go
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sdk/connection.go
* /opt/cola/permits/1816520564_1710837502.5770457/0/kvstore-go-sdk-master-zip/kvstore-go-sdk-master/go-sdk-
example/api/api.go

```

## 1.717 dnac-platform-dnacp-events-sdk-go

### 1.0.6

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1.0.6/src/dna/commons/dna_event_type_test.go

```

## 1.718 ajv 6.12.6

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## 1.719 go-restful 3.8.0

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# 1.720 libpng 1.6.39

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## 1.723 combined-stream 1.0.8

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## 1.724 delayed-stream 1.0.0

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```
# delayed-stream
```

Buffers events from a stream until you are ready to handle them.

```
## Installation
```

```
``` bash
npm install delayed-stream
```
```



## ## Usage

The following example shows how to write a http echo server that delays its response by 1000 ms.

```
``` javascript
var DelayedStream = require('delayed-stream');
var http = require('http');

http.createServer(function(req, res) {
  var delayed = DelayedStream.create(req);

  setTimeout(function() {
    res.writeHead(200);
    delayed.pipe(res);
  }, 1000);
});
```
```

If you are not using `Stream#pipe`, you can also manually release the buffered events by calling `delayedStream.resume()`:

```
``` javascript
var delayed = DelayedStream.create(req);

setTimeout(function() {
  // Emit all buffered events and resume underlying source
  delayed.resume();
}, 1000);
```
```

## ## Implementation

In order to use this meta stream properly, here are a few things you should know about the implementation.

### ###

#### Event Buffering / Proxying

All events of the `source` stream are hijacked by overwriting the `source.emit` method. Until node implements a catch-all event listener, this is the only way.

However, `delayed-stream` still continues to emit all events it captures on the `source`, regardless of whether you have released the delayed stream yet or not.

Upon creation, `delayed-stream` captures all `source` events and stores them in

an internal event buffer. Once `delayedStream.release()` is called, all buffered events are emitted on the `delayedStream`, and the event buffer is cleared. After that, `delayed-stream` merely acts as a proxy for the underlying source.

### ### Error handling

Error events on `source` are buffered / proxied just like any other events. However, `delayedStream.create` attaches a no-op `'error'` listener to the `source`. This way you only have to handle errors on the `delayedStream` object, rather than in two places.

### ### Buffer limits

`delayed-stream` provides a `maxDataSize` property that can be used to limit the amount of data being buffered. In order to protect you from bad `source` streams that don't react to `source.pause()`, this feature is enabled by default.

## ## API

### ### `DelayedStream.create(source, [options])`

Returns a new `delayedStream`. Available options are:

- \* `pauseStream`
- \* `maxDataSize`

The description for those properties can be found below.

### ### `delayedStream.source`

The `source` stream managed by this object. This is useful if you are passing your `delayedStream` around, and you still want to access properties on the `source` object.

### ### `delayedStream.pauseStream = true`

Whether to pause the underlying `source` when calling `DelayedStream.create()`. Modifying this property afterwards has no effect.

### ### `delayedStream.maxDataSize = 1024 * 1024`

The amount of data to buffer before emitting an `'error'`.

If the underlying source is emitting `Buffer` objects, the `maxDataSize` refers to bytes.

If the underlying source is emitting JavaScript strings, the size refers to characters.

If you know what you are doing, you can set this property to `Infinity` to disable this feature. You can also modify this property during runtime.

```
### delayedStream.dataSize = 0
```

The amount of data buffered so far.

```
### delayedStream.readable
```

An ECMA5 getter that returns the value of `source.readable`.

```
### delayedStream.resume()
```

If the `delayedStream` has not been released so far, `delayedStream.release()` is called.

In either case, `source.resume()` is called.

```
### delayedStream.pause()
```

Calls `source.pause()`.

```
### delayedStream.pipe(dest)
```

Calls `delayedStream.resume()` and then proxies the arguments to `source.pipe`.

```
### delayedStream.release()
```

Emits and clears all events that have been buffered up so far. This does not resume the underlying source, use `delayedStream.resume()` instead.

```
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```

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Found in path(s):

```
* /opt/cola/permits/1830745388_1698153819.4839122/0/fis-components-delayed-stream-1-0-0-0-g42ac44e-1-tar-gz/fis-components-delayed-stream-3c3d86f/Readme.md
```

## 1.725 ansi-styles 3.2.1

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```
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```
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## 1.742 apt 2.0.10

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## 1.743 libapt-pkg 2.0.10

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|/ Err?=(none)/Reinst-required (Status,Err: uppercase=bad)

||/ Name

Version

Architecture Description

+++-----

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|    |                                |                 |       |               |
|----|--------------------------------|-----------------|-------|---------------|
| ii | a11y-profile-manager-indicator | 0.1.10-0ubuntu3 | amd64 | Accessibility |
|----|--------------------------------|-----------------|-------|---------------|

Profile Manager - Unity desktop indicator

|    |                         |                              |     |       |
|----|-------------------------|------------------------------|-----|-------|
| ii | account-plugin-facebook | 0.12+16.04.20160126-0ubuntu1 | all | GNOME |
|----|-------------------------|------------------------------|-----|-------|

Control Center account plugin for single signon - facebook

|    |                       |                              |     |                                                |
|----|-----------------------|------------------------------|-----|------------------------------------------------|
| ii | account-plugin-flickr | 0.12+16.04.20160126-0ubuntu1 | all | GNOME Control Center account plugin for single |
|----|-----------------------|------------------------------|-----|------------------------------------------------|

signon - flickr

|                                                 |                               |       |                                                                          |
|-------------------------------------------------|-------------------------------|-------|--------------------------------------------------------------------------|
| ii account-plugin-google                        | 0.12+16.04.20160126-0ubuntu1  | all   | GNOME                                                                    |
| Control Center account plugin for single signon |                               |       |                                                                          |
| ii accountsservice                              | 0.6.40-2ubuntu11.3            | amd64 | query and                                                                |
| manipulate user account information             |                               |       |                                                                          |
| ii acl                                          | 2.2.52-3                      | amd64 | Access control list utilities                                            |
| ii acpi-support                                 | 0.142                         | amd64 | scripts for handling many                                                |
| ACPI events                                     |                               |       |                                                                          |
| ii acpid                                        | 1:2.0.26-1ubuntu2             | amd64 | Advanced Configuration                                                   |
| and Power Interface event daemon                |                               |       |                                                                          |
| ii activity-log-manager                         | 0.9.7-0ubuntu23               | amd64 | blacklist configuration user interface for                               |
| Zeitgeist                                       |                               |       |                                                                          |
| ii adduser                                      | 3.113+nmu3ubuntu4             | all   | add and remove users                                                     |
| and groups                                      |                               |       |                                                                          |
| ii adium-theme-ubuntu                           | 0.3.4-0ubuntu1.1              | all   | Adium message style                                                      |
| for Ubuntu                                      |                               |       |                                                                          |
| ii adwaita-icon-theme                           | 3.18.0-2ubuntu3.1             | all   | default icon theme of                                                    |
| GNOME (small subset)                            |                               |       |                                                                          |
| ii aisleriot                                    | 1:3.18.2-1ubuntu1             | amd64 | GNOME solitaire card                                                     |
| game collection                                 |                               |       |                                                                          |
| ii alsa-base                                    | 1.0.25+dfsg-0ubuntu5          | all   | ALSA driver                                                              |
| configuration files                             |                               |       |                                                                          |
| ii alsa-utils                                   | 1.1.0-0ubuntu5                | amd64 | Utilities for configuring and using ALSA                                 |
| ii anacron                                      | 2.3-23                        | amd64 | cron-like program that                                                   |
| doesn't go by time                              |                               |       |                                                                          |
| ii ant                                          | 1.9.6-1ubuntu1                | all   | Java based build tool like make                                          |
| ii ant-optional                                 | 1.9.6-1ubuntu1                | all   | Java based build tool like                                               |
| make - optional libraries                       |                               |       |                                                                          |
| ii apg                                          | 2.2.3.dfsg.1-2ubuntu1         | amd64 | Automated Password                                                       |
| Generator - Standalone version                  |                               |       |                                                                          |
| ii app-install-data                             | 15.10                         | all   | Ubuntu applications (data                                                |
| files)                                          |                               |       |                                                                          |
| ii app-install-data-partner                     | 16.04                         | all   | Application Installer (data files for partner applications/repositories) |
| ii apparmor                                     | 2.10.95-0ubuntu2.5            | amd64 | user-space parser                                                        |
| utility for AppArmor                            |                               |       |                                                                          |
| ii appmenu-qt:amd64                             | 0.2.7+14.04.20140305-0ubuntu2 | amd64 | application                                                              |
| menu for Qt                                     |                               |       |                                                                          |
| ii appmenu-qt5                                  | 0.3.0+16.04.20151130-0ubuntu1 | amd64 | application                                                              |
| menu for Qt5                                    |                               |       |                                                                          |
| ii apport                                       | 2.20.1-0ubuntu2.5             | all   | automatically generate crash                                             |
| reports for debugging                           |                               |       |                                                                          |
| ii apport-gtk                                   | 2.20.1-0ubuntu2.5             | all   | GTK+ frontend for the                                                    |
| apport crash report system                      |                               |       |                                                                          |
| ii apport-symptoms                              | 0.20                          | all   | symptom scripts for apport                                               |
| ii appstream                                    | 0.9.4-1ubuntu2                | amd64 | Software component                                                       |

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| ii apt                                       | 1.2.18                             | amd64 | commandline package manager    |
| ii apt-transport-https                       | 1.2.18                             | amd64 | https download transport       |
| for APT                                      |                                    |       |                                |
| ii apt-utils                                 | 1.2.18                             | amd64 | package management related     |
| utility programs                             |                                    |       |                                |
| ii aptdaemon                                 | 1.1.1+bzr982-0ubuntu14             | all   | transaction based              |
| package management service                   |                                    |       |                                |
| ii aptdaemon-data                            | 1.1.1+bzr982-0ubuntu14             | all   | data                           |
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| ii apturl                                    | 0.5.2ubuntu11.1                    | amd64 | install packages using the     |
| apt protocol - GTK+ frontend                 |                                    |       |                                |
| ii apturl-common                             | 0.5.2ubuntu11.1                    | amd64 | install packages using         |
| the apt protocol - common data               |                                    |       |                                |
| ii aspell                                    | 0.60.7~20110707-3build1            | amd64 | GNU Aspell spell-              |
| checker                                      |                                    |       |                                |
| ii aspell-en                                 | 7.1-0-1.1                          | all   | English dictionary for GNU     |
| Aspell                                       |                                    |       |                                |
| ii asymptote                                 | 2.37-1                             | amd64 | script-based vector graphics   |
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| ii at-spi2-core                              | 2.18.3-4ubuntu1                    | amd64 | Assistive Technology           |
| Service Provider Interface (dbus core)       |                                    |       |                                |
| ii atom                                      | 1.8.0                              | amd64 | A hackable text editor for the |
| 21st Century.                                |                                    |       |                                |
| ii autotools-dev                             | 20150820.1                         | all   | Update infrastructure for      |
| config.{guess,sub} files                     |                                    |       |                                |
| ii avahi-autoipd                             | 0.6.32~rc+dfsg-1ubuntu2            | amd64 | Avahi IPv4LL                   |
| network address configuration daemon         |                                    |       |                                |
| ii avahi-daemon                              | 0.6.32~rc+dfsg-1ubuntu2            | amd64 | Avahi                          |
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| ii avahi-utils                               | 0.6.32~rc+dfsg-1ubuntu2            | amd64 | Avahi                          |
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| ii baobab                                    | 3.18.1-1ubuntu1                    | amd64 | GNOME disk usage               |
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| ii base-files                                | 9.4ubuntu4.3                       | amd64 | Debian base system             |
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| ii base-passwd                               | 3.5.39                             | amd64 | Debian base system master      |
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| ii bash                                      | 4.3-14ubuntu1.1                    | amd64 | GNU Bourne Again SHell         |
| ii bash-completion                           | 1:2.1-4.2ubuntu1.1                 | all   | programmable                   |
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| ii                                           |                                    |       |                                |
| bc                                           | 1.06.95-9build1                    | amd64 | GNU bc arbitrary precision     |
| calculator language                          |                                    |       |                                |



|    |                                                        |                                   |       |                                                        |
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| ii | bind9-host<br>bundled with BIND 9.X                    | 1:9.10.3.dfsg.P4-8ubuntu1.4       | amd64 | Version of 'host'                                      |
| ii | binfmt-support                                         | 2.1.6-1                           | amd64 | Support for extra binary formats                       |
| ii | binutils<br>linker and binary utilities                | 2.26.1-1ubuntu1~16.04.3           | amd64 | GNU assembler,                                         |
| ii | bison<br>generator                                     | 2:3.0.4.dfsg-1                    | amd64 | YACC-compatible parser                                 |
| ii | blt<br>Tcl/Tk - run-time                               | 2.5.3+dfsg-3                      | amd64 | graphics extension library for                         |
| ii | bluez                                                  | 5.37-0ubuntu5                     | amd64 | Bluetooth tools and daemons                            |
| ii | bluez-cups<br>for CUPS                                 | 5.37-0ubuntu5                     | amd64 | Bluetooth printer driver                               |
| ii | bluez-obexd                                            | 5.37-0ubuntu5                     | amd64 | bluez obex daemon                                      |
| ii | brackets                                               | 1.8.0libcrypt11-17108+1~webupd8~0 | amd64 | Brackets                                               |
| ii | branding-ubuntu<br>Ubuntu branding                     | 0.8                               | all   | Replacement artwork with                               |
| ii | brltty<br>person using a braille display               | 5.3.1-2ubuntu2.1                  | amd64 | Access software for a blind                            |
| ii | bsdmainutils                                           | 9.0.6ubuntu3                      | amd64 | collection of more utilities from FreeBSD              |
| ii | bsdutils<br>4.4BSD-Lite                                | 1:2.27.1-6ubuntu3.2               | amd64 | basic utilities from                                   |
| ii | build-essential<br>build-essential packages            | 12.1ubuntu2                       | amd64 | Informational list of                                  |
| ii | busybox-initramfs<br>setup for initramfs               | 1:1.22.0-15ubuntu1                | amd64 | Standalone shell                                       |
| ii | busybox-static<br>shell with tons of builtin utilities | 1:1.22.0-15ubuntu1                | amd64 | Standalone rescue                                      |
| ii | byacc<br>LALR Yacc parser generator                    | 20140715-1                        | amd64 | public domain Berkeley                                 |
| ii | bzip2                                                  | 1.0.6-8                           | amd64 | high-quality block-sorting file compressor - utilities |
| ii | ca-certificates                                        | 20160104ubuntu1                   | all   | Common CA certificates                                 |
| ii | ca-certificates-mono<br>certificates (Mono keystore)   | 4.2.1.102+dfsg2-7ubuntu4          | all   | Common CA                                              |
| ii | ccache<br>recompilation of C/C++ code                  | 3.2.4-1                           | amd64 | Compiler cache for fast                                |
| ii | checkbox-converged<br>Ubuntu devices                   | 1.2.4-0ubuntu1                    | all   | testing tool for all                                   |
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| ii | checkinstall                                           | 1.6.2-4ubuntu1                    | amd64 | installation tracker                                   |
| ii | cheese<br>videos from your webcam                      | 3.18.1-2ubuntu3                   | amd64 | tool to take pictures and                              |
| ii | cheese-common                                          | 3.18.1-2ubuntu3                   | all   | Common files for the                                   |

|                                                         |                                       |       |                                                               |  |
|---------------------------------------------------------|---------------------------------------|-------|---------------------------------------------------------------|--|
| Cheese tool to take pictures and videos                 |                                       |       |                                                               |  |
| ii chromium-codecs-ffmpeg-extra                         | 55.0.2883.87-0ubuntu0.16.04.1263      | amd64 | Extra                                                         |  |
| ffmpeg codecs for the Chromium Browser                  |                                       |       |                                                               |  |
| ii clang                                                | 1:3.8-33ubuntu3.1                     | amd64 | C, C++ and Objective-C                                        |  |
| compiler (LLVM based)                                   |                                       |       |                                                               |  |
| ii clang-3.8                                            | 1:3.8-2ubuntu4                        | amd64 | C, C++ and Objective-C                                        |  |
| compiler (LLVM based)                                   |                                       |       |                                                               |  |
| ii cli-common                                           | 0.9+nmu1                              |       |                                                               |  |
| all                                                     | common files between all CLI packages |       |                                                               |  |
| ii cli-common-dev                                       | 0.9+nmu1                              | all   | common files for building                                     |  |
| CLI packages                                            |                                       |       |                                                               |  |
| ii cmake                                                | 3.5.1-1ubuntu3                        | amd64 | cross-platform, open-                                         |  |
| source make system                                      |                                       |       |                                                               |  |
| ii cmake-curses-gui                                     | 3.5.1-1ubuntu3                        | amd64 | curses based user                                             |  |
| interface for CMake (ccmake)                            |                                       |       |                                                               |  |
| ii cmake-data                                           | 3.5.1-1ubuntu3                        | all   | CMake data files                                              |  |
| (modules, templates and documentation)                  |                                       |       |                                                               |  |
| ii colord                                               | 1.2.12-1ubuntu1                       | amd64 | system service to manage                                      |  |
| device colour profiles -- system daemon                 |                                       |       |                                                               |  |
| ii colord-data                                          | 1.2.12-1ubuntu1                       | all   | system service to manage device colour profiles -- data files |  |
| ii command-not-found                                    | 0.3ubuntu16.04.2                      | all   | Suggest installation                                          |  |
| of packages in interactive bash sessions                |                                       |       |                                                               |  |
| ii command-not-found-data                               | 0.3ubuntu16.04.2                      | amd64 | Set of data files                                             |  |
| for command-not-found.                                  |                                       |       |                                                               |  |
| ii compiz                                               | 1:0.9.12.2+16.04.20160823-0ubuntu1    | all   | OpenGL window                                                 |  |
| and compositing manager                                 |                                       |       |                                                               |  |
| ii compiz-core                                          | 1:0.9.12.2+16.04.20160823-0ubuntu1    | amd64 | OpenGL                                                        |  |
| window and compositing manager                          |                                       |       |                                                               |  |
| ii compiz-gnome                                         | 1:0.9.12.2+16.04.20160823-0ubuntu1    | amd64 | OpenGL                                                        |  |
| window and compositing manager - GNOME window decorator |                                       |       |                                                               |  |
| ii compiz-plugins-default:amd64                         | 1:0.9.12.2+16.04.20160823-0ubuntu1    | amd64 | OpenGL window and compositing                                 |  |
| manager - default plugins                               |                                       |       |                                                               |  |
| ii compizconfig-settings-manager                        | 1:0.9.12.2+16.04.20160823-0ubuntu1    | all   | Compiz                                                        |  |
| configuration settings manager                          |                                       |       |                                                               |  |
| ii console-setup                                        | 1.108ubuntu15.2                       | all   | console font and keymap                                       |  |
| setup program                                           |                                       |       |                                                               |  |
| ii console-setup-linux                                  | 1.108ubuntu15.2                       | all   | Linux specific part of                                        |  |
| console-setup                                           |                                       |       |                                                               |  |
| ii coreutils                                            | 8.25-2ubuntu2                         | amd64 | GNU core utilities                                            |  |
| ii cpio                                                 | 2.11+dfsg-5ubuntu1                    | amd64 | GNU cpio -- a program                                         |  |
| to manage archives of files                             |                                       |       |                                                               |  |
| ii cpp                                                  | 4:5.3.1-1ubuntu1                      | amd64 | GNU C preprocessor (cpp)                                      |  |
| ii cpp-4.9                                              | 4.9.3-13ubuntu2                       | amd64 | GNU C preprocessor                                            |  |
| ii cpp-5                                                | 5.4.0-6ubuntu1~16.04.4                | amd64 | GNU C preprocessor                                            |  |
| ii cracklib-runtime                                     | 2.9.2-1build2                         | amd64 | runtime support for                                           |  |

|                                                |                   |       |          |                                                                 |
|------------------------------------------------|-------------------|-------|----------|-----------------------------------------------------------------|
| password checker library cracklib2             |                   |       |          |                                                                 |
| ii crda                                        | 3.13-1            | amd64 | wireless | Central Regulatory                                              |
| Domain Agent                                   |                   |       |          |                                                                 |
| ii cron                                        | 3.0pl1-128ubuntu2 | amd64 |          | process scheduling                                              |
| daemon                                         |                   |       |          |                                                                 |
| ii cryptsetup                                  | 2:1.6.6-5ubuntu2  | amd64 |          |                                                                 |
| disk encryption support - startup scripts      |                   |       |          |                                                                 |
| ii cryptsetup-bin                              | 2:1.6.6-5ubuntu2  | amd64 |          | disk encryption                                                 |
| support - command line tools                   |                   |       |          |                                                                 |
| ii cups                                        | 2.1.3-4           | amd64 |          | Common UNIX Printing                                            |
| System(tm) - PPD/driver support, web interface |                   |       |          |                                                                 |
| ii cups-backend-bjnp                           | 2.0-0ubuntu2      | amd64 |          | printer backend for                                             |
| Canon BJNP protocol                            |                   |       |          |                                                                 |
| ii cups-browsed                                | 1.8.3-2ubuntu3.1  | amd64 |          | OpenPrinting CUPS                                               |
| Filters - cups-browsed                         |                   |       |          |                                                                 |
| ii cups-bsd                                    | 2.1.3-4           | amd64 |          | Common UNIX Printing                                            |
| System(tm) - BSD commands                      |                   |       |          |                                                                 |
| ii cups-client                                 | 2.1.3-4           |       |          |                                                                 |
| amd64                                          |                   |       |          | Common UNIX Printing System(tm) - client programs (SysV)        |
| ii cups-common                                 | 2.1.3-4           | all   |          | Common UNIX Printing                                            |
| System(tm) - common files                      |                   |       |          |                                                                 |
| ii cups-core-drivers                           | 2.1.3-4           | amd64 |          | Common UNIX Printing                                            |
| System(tm) - PPD-less printing                 |                   |       |          |                                                                 |
| ii cups-daemon                                 | 2.1.3-4           | amd64 |          | Common UNIX Printing                                            |
| System(tm) - daemon                            |                   |       |          |                                                                 |
| ii cups-filters                                | 1.8.3-2ubuntu3.1  | amd64 |          | OpenPrinting CUPS                                               |
| Filters - Main Package                         |                   |       |          |                                                                 |
| ii cups-filters-core-drivers                   | 1.8.3-2ubuntu3.1  | amd64 |          | OpenPrinting CUPS                                               |
| Filters - PPD-less printing                    |                   |       |          |                                                                 |
| ii cups-pk-helper                              | 0.2.5-2ubuntu2    |       |          |                                                                 |
| amd64                                          |                   |       |          | PolicyKit helper to configure cups with fine-grained privileges |
| ii cups-ppdc                                   | 2.1.3-4           | amd64 |          | Common UNIX Printing                                            |
| System(tm) - PPD manipulation utilities        |                   |       |          |                                                                 |
| ii cups-server-common                          | 2.1.3-4           | all   |          | Common UNIX Printing                                            |
| System(tm) - server common files               |                   |       |          |                                                                 |
| ii curl                                        | 7.47.0-1ubuntu2.2 | amd64 |          | command line tool for                                           |
| transferring data with URL syntax              |                   |       |          |                                                                 |
| ii dash                                        | 0.5.8-2.1ubuntu2  | amd64 |          | POSIX-compliant shell                                           |
| ii dbus                                        | 1.10.6-1ubuntu3.3 | amd64 |          | simple interprocess                                             |
| messaging system (daemon and utilities)        |                   |       |          |                                                                 |
| ii dbus-x11                                    |                   |       |          |                                                                 |
|                                                | 1.10.6-1ubuntu3.3 | amd64 |          | simple interprocess messaging system                            |
| (X11 deps)                                     |                   |       |          |                                                                 |
| ii dc                                          | 1.06.95-9build1   | amd64 |          | GNU dc arbitrary precision                                      |
| reverse-polish calculator                      |                   |       |          |                                                                 |
| ii dconf-cli                                   | 0.24.0-2          | amd64 |          | simple configuration storage                                    |
| system - utilities                             |                   |       |          |                                                                 |
| ii dconf-gsettings-backend:amd64               | 0.24.0-2          | amd64 |          | simple                                                          |

|                                                   |                             |       |       |                                 |
|---------------------------------------------------|-----------------------------|-------|-------|---------------------------------|
| configuration storage system - GSettings back-end |                             |       |       |                                 |
| ii dconf-gsettings-backend:i386                   | 0.24.0-2                    |       | i386  | simple configuration            |
| storage system - GSettings back-end               |                             |       |       |                                 |
| ii dconf-service                                  | 0.24.0-2                    |       | amd64 | simple configuration            |
| storage system - D-Bus service                    |                             |       |       |                                 |
| ii debconf                                        | 1.5.58ubuntu1               |       | all   | Debian configuration            |
| management system                                 |                             |       |       |                                 |
| ii debconf-i18n                                   | 1.5.58ubuntu1               |       | all   | full internationalization       |
| support for debconf                               |                             |       |       |                                 |
| ii debhelper                                      | 9.20160115ubuntu3           |       | all   | helper programs for             |
| debian/rules                                      |                             |       |       |                                 |
| ii debianutils                                    | 4.7                         |       | amd64 | Miscellaneous utilities         |
| specific to Debian                                |                             |       |       |                                 |
| ii deja-dup                                       | 34.2-0ubuntu1.1             |       | amd64 | Back up your files              |
| ii deja-dup-backend-gvfs                          | 34.2-0ubuntu1.1             |       | all   | Remote server                   |
| support for Déjà Dup                              |                             |       |       |                                 |
| ii desktop-file-utils                             | 0.22-1ubuntu5               | amd64 |       | Utilities for .desktop files    |
| ii dh-python                                      | 2.20151103ubuntu1.1         |       | all   | Debian helper tools for         |
| packaging Python libraries and applications       |                             |       |       |                                 |
| ii dh-strip-nondeterminism                        | 0.015-1                     |       | all   | debhelper add-on to strip       |
| non-determinism from files                        |                             |       |       |                                 |
| ii dictionaries-common                            | 1.26.3                      |       | all   | spelling dictionaries -         |
| common utilities                                  |                             |       |       |                                 |
| ii diffstat                                       | 1.61-1                      |       | amd64 | produces graph of changes       |
| introduced by a diff file                         |                             |       |       |                                 |
| ii diffutils                                      | 1:3.3-3                     |       | amd64 | File comparison utilities       |
| ii dirmngr                                        | 2.1.11-6ubuntu2             |       | amd64 | server for managing certificate |
| revocation lists                                  |                             |       |       |                                 |
| ii distro-info-data                               | 0.28ubuntu0.2               |       | all   | information about the           |
| distributions' releases (data files)              |                             |       |       |                                 |
| ii dmidecode                                      | 3.0-2ubuntu0.1              |       | amd64 | SMBIOS/DMI table                |
| decoder                                           |                             |       |       |                                 |
| ii dmsetup                                        | 2:1.02.110-1ubuntu10        |       | amd64 | Linux Kernel Device             |
| Mapper userspace library                          |                             |       |       |                                 |
| ii dmz-cursor-theme                               | 0.4.4ubuntu1                |       | all   | Style neutral, scalable         |
| cursor theme                                      |                             |       |       |                                 |
| ii dns-root-data                                  | 2015052300+h+1              |       | all   | DNS root data including         |
| root zone and DNSSEC key                          |                             |       |       |                                 |
| ii dnsmasq-base                                   | 2.75-1ubuntu0.16.04.1       | amd64 |       | Small caching DNS proxy and     |
| DHCP/TFTP server                                  |                             |       |       |                                 |
| ii dnsutils                                       | 1:9.10.3.dfsg.P4-8ubuntu1.4 |       | amd64 | Clients provided with           |
| BIND                                              |                             |       |       |                                 |
| ii doc-base                                       | 0.10.7                      |       | all   | utilities to manage online      |
| documentation                                     |                             |       |       |                                 |
| ii docutils-common                                | 0.12+dfsg-1                 |       | all   | text processing system          |

|                                                     |                             |       |                                                   |
|-----------------------------------------------------|-----------------------------|-------|---------------------------------------------------|
| for reStructuredText - common data                  |                             |       |                                                   |
| ii docutils-doc                                     | 0.12+dfsg-1                 | all   | text processing system for                        |
| reStructuredText - documentation                    |                             |       |                                                   |
| ii dosfstools                                       | 3.0.28-2ubuntu0.1           | amd64 | utilities for making and                          |
| checking MS-DOS                                     |                             |       |                                                   |
| FAT filesystems                                     |                             |       |                                                   |
| ii dpkg                                             | 1.18.4ubuntu1.1             | amd64 | Debian package                                    |
| management system                                   |                             |       |                                                   |
| ii dpkg-dev                                         | 1.18.4ubuntu1.1             | all   | Debian package                                    |
| development tools                                   |                             |       |                                                   |
| ii dropbox                                          | 2015.10.28                  | amd64 | cloud synchronization                             |
| engine - CLI and Nautilus extension                 |                             |       |                                                   |
| ii duplicity                                        | 0.7.06-2ubuntu2             | amd64 | encrypted bandwidth-                              |
| efficient backup                                    |                             |       |                                                   |
| ii e2fslibs:amd64                                   | 1.42.13-1ubuntu1            | amd64 | ext2/ext3/ext4 file                               |
| system libraries                                    |                             |       |                                                   |
| ii e2fsprogs                                        | 1.42.13-1ubuntu1            | amd64 | ext2/ext3/ext4 file                               |
| system utilities                                    |                             |       |                                                   |
| ii ecryptfs-utils                                   | 1:1.1-0ubuntu1.1            | amd64 | ecryptfs cryptographic filesystem                 |
| (utilities)                                         |                             |       |                                                   |
| ii ed                                               | 1.10-2                      | amd64 | classic UNIX line editor                          |
| ii efibootmgr                                       | 0.12-4                      | amd64 | Interact with the EFI Boot                        |
| Manager                                             |                             |       |                                                   |
| ii eject                                            | 2.1.5+deb1+cvs20081104-13.1 | amd64 | ejects CDs and                                    |
| operates CD-Changers under Linux                    |                             |       |                                                   |
| ii emacsen-common                                   | 2.0.8                       | all   | Common facilities for all                         |
| emacsen                                             |                             |       |                                                   |
| ii enchant:i386                                     | 1.6.0-10.1build2            | i386  | Wrapper for various spell                         |
| checker engines (binary programs)                   |                             |       |                                                   |
| ii eog                                              | 3.18.2-1ubuntu2.1           | amd64 | Eye of GNOME graphics viewer                      |
| program                                             |                             |       |                                                   |
| ii espeak-data:amd64                                | 1.48.04+dfsg-2              | amd64 | Multi-lingual                                     |
| software speech synthesizer: speech data files      |                             |       |                                                   |
| ii ethtool                                          | 1:4.5-1                     | amd64 | display or change Ethernet                        |
| device settings                                     |                             |       |                                                   |
| ii evince                                           | 3.18.2-1ubuntu4             | amd64 | Document (PostScript,                             |
| PDF) viewer                                         |                             |       |                                                   |
| ii evince-common                                    | 3.18.2-1ubuntu4             | all   | Document (PostScript,                             |
| PDF) viewer - common files                          |                             |       |                                                   |
| ii evolution-data-server                            | 3.18.5-1ubuntu1             | amd64 | evolution database                                |
| backend server                                      |                             |       |                                                   |
| ii evolution-data-server-common                     | 3.18.5-1ubuntu1             | all   | architecture independent files for Evolution Data |
| Server                                              |                             |       |                                                   |
| ii evolution-data-server-online-accounts            | 3.18.5-1ubuntu1             | amd64 | evolution                                         |
| data server integration with Ubuntu Online Accounts |                             |       |                                                   |

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|--------------------------|--------------------------------|-------|----------------------------------------------------------|
| ii example-content       | 49                             | all   | Ubuntu example content                                   |
| ii exuberant-ctags       | 1:5.9~svn20110310-11           | amd64 | build tag file indexes of source code definitions        |
| ii fakeroot              | 1.20.2-1ubuntu1                | amd64 | tool for simulating superuser privileges                 |
| ii file                  | 1:5.25-2ubuntu1                | amd64 | Determines file type using "magic" numbers               |
| ii file-roller           | 3.16.5-0ubuntu1.2              | amd64 | archive manager for GNOME                                |
| ii findutils             | 4.6.0+git+20160126-2           | amd64 | utilities for finding files--find, xargs                 |
| ii firefox               | 51.0.1+build2-0ubuntu0.16.04.2 | amd64 | Safe and easy web browser from Mozilla                   |
| ii firefox-locale-en     | 51.0.1+build2-0ubuntu0.16.04.2 | amd64 | English language pack for Firefox                        |
| ii firefox-locale-it     | 51.0.1+build2-0ubuntu0.16.04.2 | amd64 | Italian language pack for Firefox                        |
| ii flashplugin-installer | 24.0.0.194ubuntu0.16.04.1      | amd64 | Adobe Flash Player plugin installer                      |
| ii flex                  | 2.6.0-11                       | amd64 | fast lexical analyzer generator                          |
| ii fontconfig            | 2.11.94-0ubuntu1.1             | amd64 | generic font configuration library - support binaries    |
| ii fontconfig-config     | 2.11.94-0ubuntu1.1             | all   | generic font configuration library - configuration       |
| ii fonts-dejavu-core     | 2.35-1                         | all   | Vera font family derivate with additional characters     |
| ii fonts-font-awesome    | 4.5.0~dfsg-1                   | all   | iconic font designed for use with Twitter Bootstrap      |
| ii fonts-freefont-ttf    | 20120503-4                     | all   | Freefont Serif, Sans and Mono Truetype fonts             |
| ii fonts-guru            | 2:1.2                          | all   | Meta package to install all Punjabi fonts                |
| ii fonts-guru-extra      | 2.0-3                          | all   | Free fonts for Punjabi language                          |
| ii fonts-kacst           | 2.01+mry-12                    | all   | KACST free TrueType Arabic fonts                         |
| ii fonts-kacst-one       | 5.0+svn11846-7                 | all   | TrueType font designed for Arabic language               |
| ii fonts-khmeros-core    | 5.0-7ubuntu1                   | all   | KhmerOS Unicode fonts for the Khmer language of Cambodia |
| ii fonts-lao             | 0.0.20060226-9                 | all   | TrueType font for Lao language                           |
| ii fonts-lato            | 2.0-1                          | all   | sans-serif typeface family font                          |
| ii fonts-liberation      | 1.07.4-1                       | all   | Fonts with the same metrics as Times, Arial and Courier  |
| ii fonts-lklug-sinhala   | 0.6-3                          | all   | Unicode Sinhala font by                                  |

|                            |                            |     |     |                                                                         |
|----------------------------|----------------------------|-----|-----|-------------------------------------------------------------------------|
| Lanka Linux User Group     |                            |     |     |                                                                         |
| ii fonts-lmodern           | 2.004.5-1                  |     | all | OpenType fonts based on Computer Modern                                 |
| ii fonts-lohit-guru        | 2.5.3-2                    |     | all | Lohit TrueType font for Punjabi Language                                |
| ii fonts-lyx               | 2.1.4-2                    |     | all | TrueType versions of some TeX fonts used by LyX                         |
| ii fonts-nanum             |                            |     |     |                                                                         |
| 20140930-1                 |                            | all |     | Nanum Korean fonts                                                      |
| ii fonts-noto-cjk          | 1:1.004+repack2-1~ubuntu1  |     | all | "No Tofu" font families with large Unicode coverage (CJK)               |
| ii fonts-opensymbol        | 2:102.7+LibO5.1.4-0ubuntu1 |     | all | OpenSymbol TrueType font                                                |
| ii fonts-sil-abyssinica    | 1.500-1                    |     | all | smart Unicode font for Ethiopian and Erythrean scripts (Amharic et al.) |
| ii fonts-sil-padauk        | 2.80-2                     |     | all | smart Unicode font for languages in Myanmar                             |
| ii fonts-stix              | 1.1.1-4                    |     | all | Scientific and Technical Information eXchange fonts                     |
| ii fonts-symbola           |                            |     |     |                                                                         |
| 2.59-1                     |                            | all |     | symbolic font providing emoji characters from Unicode 7.0               |
| ii fonts-takao-pgothic     | 003.02.01-9ubuntu3         |     | all | Japanese TrueType font set, Takao P Gothic Fonts                        |
| ii fonts-texgyre           | 20150923-1                 |     | all | OpenType fonts based on URW Fonts                                       |
| ii fonts-thai-tlwg         | 1:0.6.2-2.1                |     | all | Thai fonts maintained by TLWG (metapackage)                             |
| ii fonts-tibetan-machine   | 1.901b-5                   |     | all | font for Tibetan, Dzongkha and Ladakhi (OpenType Unicode)               |
| ii fonts-tlwg-garuda       | 1:0.6.2-2.1                |     | all | Thai Garuda font (dependency package)                                   |
| ii fonts-tlwg-garuda-ttf   |                            |     |     |                                                                         |
| 1:0.6.2-2.1                |                            | all |     | Thai Garuda TrueType font                                               |
| ii fonts-tlwg-kinnari      | 1:0.6.2-2.1                |     | all | Thai Kinnari font (dependency package)                                  |
| ii fonts-tlwg-kinnari-ttf  | 1:0.6.2-2.1                |     | all | Thai Kinnari TrueType font                                              |
| ii fonts-tlwg-laksaman     | 1:0.6.2-2.1                |     | all | Thai Laksaman font (dependency package)                                 |
| ii fonts-tlwg-laksaman-ttf | 1:0.6.2-2.1                |     | all | Thai Laksaman TrueType font                                             |
| ii fonts-tlwg-loma         | 1:0.6.2-2.1                |     | all | Thai Loma font (dependency package)                                     |
| ii fonts-tlwg-loma-ttf     | 1:0.6.2-2.1                |     | all | Thai Loma TrueType font                                                 |
| ii fonts-tlwg-mono         | 1:0.6.2-2.1                |     | all | Thai TlwgMono font (dependency package)                                 |
| ii fonts-tlwg-mono-ttf     | 1:0.6.2-2.1                |     | all | Thai TlwgMono TrueType font                                             |

|                                                                                               |                   |     |       |                                                |
|-----------------------------------------------------------------------------------------------|-------------------|-----|-------|------------------------------------------------|
| font                                                                                          |                   |     |       |                                                |
| ii fonts-tlwg-norasi<br>(dependency package)                                                  | 1:0.6.2-2.1       |     | all   | Thai Norasi font                               |
| ii fonts-tlwg-norasi-ttf                                                                      | 1:0.6.2-2.1       |     | all   | Thai Norasi TrueType font                      |
| ii fonts-tlwg-purisa<br>(dependency package)                                                  | 1:0.6.2-2.1       |     | all   | Thai Purisa font                               |
| ii fonts-tlwg-purisa-ttf                                                                      | 1:0.6.2-2.1       |     | all   | Thai Purisa TrueType font                      |
| ii fonts-tlwg-sawasdee<br>1:0.6.2-2.1                                                         |                   | all |       | Thai Sawasdee font (dependency package)        |
| ii fonts-tlwg-sawasdee-ttf<br>font                                                            | 1:0.6.2-2.1       |     | all   | Thai Sawasdee TrueType font                    |
| ii fonts-tlwg-typewriter<br>(dependency package)                                              | 1:0.6.2-2.1       |     | all   | Thai TlwgTypewriter font                       |
| ii fonts-tlwg-typewriter-ttf<br>TrueType font                                                 | 1:0.6.2-2.1       |     | all   | Thai TlwgTypewriter TrueType font              |
| ii fonts-tlwg-typist<br>(dependency package)                                                  | 1:0.6.2-2.1       |     | all   | Thai TlwgTypist font                           |
| ii fonts-tlwg-typist-ttf<br>font                                                              | 1:0.6.2-2.1       |     | all   | Thai TlwgTypist TrueType font                  |
| ii fonts-tlwg-typo<br>1:0.6.2-2.1                                                             |                   | all |       | Thai TlwgTypo font (dependency package)        |
| ii fonts-tlwg-typo-ttf<br>font                                                                | 1:0.6.2-2.1       |     | all   | Thai TlwgTypo TrueType font                    |
| ii fonts-tlwg-umpush<br>(dependency package)                                                  | 1:0.6.2-2.1       |     | all   | Thai Umpush font                               |
| ii fonts-tlwg-umpush-ttf<br>font                                                              | 1:0.6.2-2.1       |     | all   | Thai Umpush TrueType font                      |
| ii fonts-tlwg-waree<br>(dependency package)                                                   | 1:0.6.2-2.1       |     | all   | Thai Waree font                                |
| ii fonts-tlwg-waree-ttf                                                                       | 1:0.6.2-2.1       |     | all   | Thai Waree TrueType font                       |
| ii foomatic-db-compressed-ppds<br>printer support - Compressed PPDs derived from the database | 20160212-0ubuntu1 |     | all   | OpenPrinting                                   |
| ii fortune-mod<br>on demand                                                                   | 1:1.99.1-7        |     | amd64 | provides fortune cookies                       |
| ii fortunes-min<br>fortune cookies                                                            | 1:1.99.1-7        |     | all   | Data files containing selected fortune cookies |
| ii freeglut3:amd64                                                                            | 2.8.1-2           |     | amd64 | OpenGL Utility Toolkit                         |
| ii freepats<br>synthesis                                                                      | 20060219-1        |     | all   | Free patch set for MIDI audio synthesis        |
| ii friendly-recovery<br>friendly                                                              | 0.2.31            |     | all   | Make recovery more user-friendly               |
| ii ftp<br>client                                                                              | 0.17-33           |     | amd64 | classical file transfer client                 |
| ii fuse                                                                                       | 2.9.4-1ubuntu3.1  |     | amd64 | Filesystem in Userspace                        |
| ii fwupd                                                                                      | 0.7.0-0ubuntu4.3  |     | amd64 | Firmware update daemon                         |
| ii fwupdate<br>firmware updates                                                               | 0.5-2ubuntu4      |     | amd64 | Tools to manage UEFI firmware updates          |
| ii fwupdate-signed                                                                            | 1.11+0.5-2ubuntu4 |     | amd64 | Linux Firmware                                 |



|                                                   |                        |                               |                                        |
|---------------------------------------------------|------------------------|-------------------------------|----------------------------------------|
| Updater EFI signed binary                         |                        |                               |                                        |
| ii                                                | g++                    | 4:5.3.1-1ubuntu1              | amd64 GNU C++ compiler                 |
| ii                                                | g++-4.9                | 4.9.3-13ubuntu2               | amd64 GNU C++ compiler                 |
| ii                                                | g++-5                  | 5.4.0-6ubuntu1~16.04.4        |                                        |
|                                                   | amd64 GNU C++ compiler |                               |                                        |
| ii                                                | gcc                    | 4:5.3.1-1ubuntu1              | amd64 GNU C compiler                   |
| ii                                                | gcc-4.9                | 4.9.3-13ubuntu2               | amd64 GNU C compiler                   |
| ii                                                | gcc-4.9-base:amd64     | 4.9.3-13ubuntu2               | amd64 GCC, the GNU                     |
| Compiler Collection (base package)                |                        |                               |                                        |
| ii                                                | gcc-5                  | 5.4.0-6ubuntu1~16.04.4        | amd64 GNU C compiler                   |
| ii                                                | gcc-5-base:amd64       | 5.4.0-6ubuntu1~16.04.4        | amd64 GCC, the GNU                     |
| Compiler Collection (base package)                |                        |                               |                                        |
| ii                                                | gcc-5-base:i386        | 5.4.0-6ubuntu1~16.04.4        | i386 GCC, the GNU                      |
| Compiler Collection (base package)                |                        |                               |                                        |
| ii                                                | gcc-6-base:amd64       | 6.0.1-0ubuntu1                | amd64 GCC, the GNU Compiler Collection |
| (base package)                                    |                        |                               |                                        |
| ii                                                | gcc-6-base:i386        | 6.0.1-0ubuntu1                | i386 GCC, the GNU                      |
| Compiler Collection (base package)                |                        |                               |                                        |
| ii                                                | gconf-service          | 3.2.6-3ubuntu6                | amd64 GNOME configuration              |
| database system (D-Bus service)                   |                        |                               |                                        |
| ii                                                | gconf-service-backend  | 3.2.6-3ubuntu6                | amd64 GNOME                            |
| configuration database system (D-Bus service)     |                        |                               |                                        |
| ii                                                | gconf2                 | 3.2.6-3ubuntu6                | amd64 GNOME configuration              |
| database system (support tools)                   |                        |                               |                                        |
| ii                                                | gconf2-common          | 3.2.6-3ubuntu6                | all GNOME configuration                |
| database system                                   |                        |                               |                                        |
| (common files)                                    |                        |                               |                                        |
| ii                                                | gcr                    | 3.18.0-1ubuntu1               | amd64 GNOME crypto services            |
| (daemon and tools)                                |                        |                               |                                        |
| ii                                                | gdb                    | 7.11.1-0ubuntu1~16.04         | amd64 GNU Debugger                     |
| ii                                                | gdbserver              | 7.11.1-0ubuntu1~16.04         | amd64 GNU Debugger                     |
| (remote server)                                   |                        |                               |                                        |
| ii                                                | gdisk                  | 1.0.1-1build1                 | amd64 GPT fdisk text-mode              |
| partitioning tool                                 |                        |                               |                                        |
| ii                                                | gedit                  | 3.18.3-0ubuntu4               | amd64 official text editor of the      |
| GNOME desktop environment                         |                        |                               |                                        |
| ii                                                | gedit-common           | 3.18.3-0ubuntu4               | all official text editor of the        |
| GNOME desktop environment (support files)         |                        |                               |                                        |
| ii                                                | genisoimage            | 9:1.1.11-3ubuntu1             | amd64 Creates ISO-9660 CD-             |
| ROM filesystem images                             |                        |                               |                                        |
| ii                                                | geoclue                | 0.12.99-4ubuntu1              | amd64 Geographic information           |
| framework                                         |                        |                               |                                        |
| ii                                                | geoclue-ubuntu-geoip   | 1.0.2+14.04.20131125-0ubuntu2 | amd64 Provide                          |
| positioning for GeoClue via Ubuntu GeoIP services |                        |                               |                                        |
| ii                                                | geogebra               | 4.0.34.0+dfsg1-3              | all Dynamic mathematics                |
| software for education                            |                        |                               |                                        |

|    |                                |                                 |       |                                                                            |
|----|--------------------------------|---------------------------------|-------|----------------------------------------------------------------------------|
| ii | geoip-database                 | 20160408-1                      | all   | IP lookup command line tools that use the GeoIP library (country database) |
| ii | gettext                        | 0.19.7-2ubuntu3                 | amd64 | GNU Internationalization utilities                                         |
| ii | gettext-base                   | 0.19.7-2ubuntu3                 | amd64 | GNU Internationalization utilities for the base system                     |
| ii | gfortran                       | 4:5.3.1-1ubuntu1                | amd64 | GNU Fortran 95 compiler                                                    |
| ii | gfortran-5                     | 5.4.0-6ubuntu1~16.04.4          | amd64 | GNU Fortran compiler                                                       |
| ii | ghostscript                    | 9.18~dfsg~0-0ubuntu2.3          | amd64 | interpreter for the PostScript language and for PDF                        |
| ii | ghostscript-x                  | 9.18~dfsg~0-0ubuntu2.3          | amd64 | interpreter for the PostScript language and for PDF - X11 support          |
| ii | gir1.2-accounts-1.0:amd64      | 1.21+16.04.20160222-0ubuntu1    | amd64 | typelib file for libaccounts-glib0                                         |
| ii | gir1.2-appindicator3-0.1       | 12.10.1+15.04.20141110-0ubuntu1 | amd64 | Typelib files for libappindicator3-1.                                      |
| ii | gir1.2-atk-1.0                 | 2.18.0-1                        | amd64 | ATK accessibility toolkit (GObject introspection)                          |
| ii | gir1.2-atspi-2.0               | 2.18.3-4ubuntu1                 | amd64 | Assistive Technology Service Provider (GObject introspection)              |
| ii | gir1.2-dbusmenu-glib-0.4:amd64 | 16.04.1+16.04.20160927-0ubuntu1 | amd64 | typelib file for libdbusmenu-glib4                                         |
| ii | gir1.2-dee-1.0                 | 1.2.7+15.04.20150304-0ubuntu2   | amd64 | GObject introspection data for the Dee library                             |
| ii | gir1.2-freedesktop:amd64       | 1.46.0-3ubuntu1                 | amd64 | Introspection data for some FreeDesktop components                         |
| ii | gir1.2-gdata-0.0:amd64         | 0.17.4-1                        | amd64 | GObject introspection data for the GData webservice library                |
| ii | gir1.2-gdkpixbuf-2.0:amd64     | 2.32.2-1ubuntu1.2               | amd64 | GDK Pixbuf library - GObject-Introspection                                 |
| ii | gir1.2-glib-2.0:amd64          | 1.46.0-3ubuntu1                 | amd64 | Introspection data for GLib, GObject, Gio and GModule                      |
| ii | gir1.2-gnomekeyring-1.0        | 3.12.0-1build1                  | amd64 | GNOME keyring services library - introspection data                        |
| ii | gir1.2-goa-1.0:amd64           | 3.18.3-1ubuntu2                 | amd64 | Introspection data for GNOME Online Accounts                               |
| ii | gir1.2-gst-plugins-base-1.0    | 1.8.2-1ubuntu0.2                | amd64 | GObject introspection data for the GStreamer Plugins Base library          |
| ii | gir1.2-gstreamer-1.0           | 1.8.2-1~ubuntu1                 | amd64 | GObject introspection data for the GStreamer library                       |
| ii | gir1.2-gtk-2.0                 | 2.24.30-1ubuntu1                | amd64 | GTK+ graphical user interface library -- gir bindings                      |
| ii | gir1.2-gtk-3.0:amd64           | 3.18.9-1ubuntu3.1               | amd64 | GTK+ graphical user interface library -- gir bindings                      |
| ii | gir1.2-gtksource-3.0:amd64     | 3.18.2-1                        | amd64 | gir files for the                                                          |

|                                                              |                                 |       |                                                   |  |
|--------------------------------------------------------------|---------------------------------|-------|---------------------------------------------------|--|
| GTK+ syntax highlighting widget                              |                                 |       |                                                   |  |
| ii gir1.2-gudev-1.0:amd64                                    | 1:230-2                         | amd64 | libgudev-1.0                                      |  |
| introspection data                                           |                                 |       |                                                   |  |
| ii gir1.2-ibus-1.0:amd64                                     |                                 |       |                                                   |  |
| 1.5.11-1ubuntu2                                              | amd64                           |       | Intelligent Input Bus - introspection data        |  |
| ii gir1.2-javascriptcoregtk-4.0:amd64                        | 2.14.3-0ubuntu0.16.04.1         | amd64 | JavaScript                                        |  |
| engine library from WebKitGTK+ - GObject introspection data  |                                 |       |                                                   |  |
| ii gir1.2-json-1.0:amd64                                     | 1.1.2-0ubuntu1                  | amd64 | GLib JSON                                         |  |
| manipulation library (introspection data)                    |                                 |       |                                                   |  |
| ii gir1.2-notify-0.7                                         | 0.7.6-2svn1                     | amd64 | sends desktop                                     |  |
| notifications to a notification daemon (Introspection files) |                                 |       |                                                   |  |
| ii gir1.2-packagekitglib-1.0                                 | 0.8.17-4ubuntu6~gcc5.4ubuntu1.1 | amd64 | GObject                                           |  |
| introspection data for the PackageKit GLib library           |                                 |       |                                                   |  |
| ii gir1.2-pango-1.0:amd64                                    | 1.38.1-1                        | amd64 | Layout                                            |  |
| and rendering of internationalized text - gir bindings       |                                 |       |                                                   |  |
| ii gir1.2-peas-1.0:amd64                                     | 1.16.0-1ubuntu2                 | amd64 | Application plugin                                |  |
| library (introspection files)                                |                                 |       |                                                   |  |
| ii gir1.2-rb-3.0:amd64                                       | 3.3-1ubuntu7                    | amd64 | GObject                                           |  |
| introspection data for the rhythmbox music player            |                                 |       |                                                   |  |
| ii gir1.2-secret-1:amd64                                     | 0.18.4-1ubuntu2                 | amd64 | Secret store                                      |  |
| (GObject-Introspection)                                      |                                 |       |                                                   |  |
| ii gir1.2-signon-1.0                                         | 1.13+16.04.20151209.1-0ubuntu1  | amd64 | GObject                                           |  |
| introspection data for the Signon library                    |                                 |       |                                                   |  |
| ii gir1.2-soup-2.4                                           | 2.52.2-1ubuntu0.1               | amd64 | GObject introspection                             |  |
| data for the libsoup HTTP library                            |                                 |       |                                                   |  |
| ii gir1.2-totem-1.0:amd64                                    | 3.18.1-1ubuntu4                 |       |                                                   |  |
| amd64                                                        |                                 |       | GObject introspection data for Totem media player |  |
| ii gir1.2-totem-plparser-1.0:amd64                           | 3.10.6-1ubuntu1                 | amd64 | GObject                                           |  |
| introspection data for the Totem Playlist Parser library     |                                 |       |                                                   |  |
| ii gir1.2-udisks-2.0:amd64                                   | 2.1.7-1ubuntu1                  | amd64 | GObject based                                     |  |
| library to access udisks2 - introspection data               |                                 |       |                                                   |  |
| ii gir1.2-unity-5.0:amd64                                    | 7.1.4+16.04.20160701-0ubuntu1   | amd64 | GObject                                           |  |
| introspection data for the Unity library                     |                                 |       |                                                   |  |
| ii gir1.2-vte-2.91:amd64                                     | 0.42.5-1ubuntu1                 | amd64 | GObject                                           |  |
| introspection data for the VTE library                       |                                 |       |                                                   |  |
| ii gir1.2-webkit2-4.0:amd64                                  | 2.14.3-0ubuntu0.16.04.1         | amd64 | Web content                                       |  |
| engine library for GTK+ - GObject introspection data         |                                 |       |                                                   |  |
| ii                                                           |                                 |       |                                                   |  |
| gir1.2-wnck-3.0:amd64                                        | 3.14.1-2                        | amd64 | GObject introspection                             |  |
| data for the WNCK library                                    |                                 |       |                                                   |  |
| ii git                                                       | 1:2.7.4-0ubuntu1                | amd64 | fast, scalable, distributed                       |  |
| revision control system                                      |                                 |       |                                                   |  |
| ii git-man                                                   | 1:2.7.4-0ubuntu1                | all   | fast, scalable, distributed                       |  |
| revision control system (manual pages)                       |                                 |       |                                                   |  |
| ii gkbd-capplet                                              | 3.6.0-1ubuntu2                  | amd64 | GNOME control center                              |  |
| tools for libgnomekbd                                        |                                 |       |                                                   |  |
| ii glib-networking:amd64                                     | 2.48.2-1~ubuntu16.04.1          | amd64 | network-                                          |  |
| related giomodules for GLib                                  |                                 |       |                                                   |  |

|                                                                        |                                               |       |                                               |
|------------------------------------------------------------------------|-----------------------------------------------|-------|-----------------------------------------------|
| ii glib-networking:i386<br>giomodels<br>for GLib                       | 2.48.2-1~ubuntu16.04.1                        | i386  | network-related                               |
| ii glib-networking-common<br>giomodels for GLib - data files           | 2.48.2-1~ubuntu16.04.1                        | all   | network-related                               |
| ii glib-networking-services<br>giomodels for GLib - D-Bus services     | 2.48.2-1~ubuntu16.04.1                        | amd64 | network-related                               |
| ii gnome-accessibility-themes<br>themes for the GNOME desktop          | 3.18.0-2ubuntu1                               | all   | Accessibility                                 |
| ii gnome-bluetooth<br>tools                                            | 3.18.2-1ubuntu2                               | amd64 | GNOME Bluetooth                               |
| ii gnome-calculator<br>calculator                                      | 1:3.18.3-0ubuntu1.16.04.1                     | amd64 | GNOME desktop                                 |
| ii gnome-calendar<br>for GNOME                                         | 3.20.4-0ubuntu0.1                             | amd64 | Calendar application                          |
| ii gnome-desktop3-data                                                 | 3.18.2-1ubuntu1                               | all   | Common files for GNOME desktop apps           |
| ii gnome-disk-utility<br>configure disk drives and media               | 3.18.3.1-1ubuntu1                             | amd64 | manage and                                    |
| ii gnome-font-viewer<br>GNOME                                          | 3.16.2-1ubuntu1                               | amd64 | font viewer for                               |
| ii gnome-keyring<br>services (daemon and tools)                        | 3.18.3-0ubuntu2                               | amd64 | GNOME keyring                                 |
| ii gnome-mahjongg<br>game for GNOME                                    | 1:3.18.0-1                                    | amd64 | classic Eastern tile                          |
| ii gnome-menus<br>implementation of the freedesktop menu specification | 3.13.3-6ubuntu3.1                             | amd64 | GNOME                                         |
| ii gnome-mines                                                         | 1:3.18.2-2                                    | amd64 | popular minesweeper puzzle game for GNOME     |
| ii gnome-orca                                                          | 3.18.2-1ubuntu3                               | all   | Scriptable screen reader                      |
| ii gnome-power-manager<br>management tool for the GNOME desktop        | 3.18.0-1ubuntu1                               | amd64 | power                                         |
| ii gnome-screensaver<br>saver and locker                               | 3.6.1-7ubuntu4                                | amd64 | GNOME screen                                  |
| ii gnome-screenshot<br>application for GNOME                           | 3.18.0-1ubuntu2                               | amd64 | screenshot                                    |
| ii gnome-session-bin<br>Session Manager - Minimal runtime              | 3.18.1.2-1ubuntu1.16.04.2                     | amd64 | GNOME                                         |
| ii gnome-session-canberra                                              | 0.30-2.1ubuntu1                               | amd64 | GNOME session log in and log out sound events |
| ii gnome-session-common<br>Session Manager - common files              | 3.18.1.2-1ubuntu1.16.04.2                     | all   | GNOME                                         |
| ii gnome-settings-daemon-schemas<br>daemon schemas                     | 3.18.2-0ubuntu3.1                             | all   | gnome-settings-                               |
| ii gnome-software<br>Software Center for GNOME                         | 3.20.1+git20161013.0.d77d6cf-0ubuntu2~xenial1 | amd64 |                                               |
| ii gnome-software-common<br>Software Center for GNOME (common files)   | 3.20.1+git20161013.0.d77d6cf-0ubuntu2~xenial1 | all   |                                               |

|    |                                                                                    |                               |       |                                           |
|----|------------------------------------------------------------------------------------|-------------------------------|-------|-------------------------------------------|
| ii | gnome-sudoku<br>for GNOME                                                          | 1:3.18.4-0ubuntu2             | amd64 | Sudoku puzzle game                        |
| ii | gnome-system-log<br>GNOME                                                          | 3.9.90-4                      | amd64 | system log viewer for                     |
| ii | gnome-system-monitor<br>system resource monitor for GNOME                          | 3.18.2-1ubuntu1               | amd64 | Process viewer and                        |
| ii | gnome-terminal<br>emulator application                                             | 3.18.3-1ubuntu1               | amd64 | GNOME terminal                            |
| ii | gnome-terminal-data<br>GNOME terminal emulator                                     | 3.18.3-1ubuntu1               | all   | Data files for the                        |
| ii | gnome-user-guide                                                                   | 3.18.1-1                      | all   | GNOME user's guide                        |
| ii | gnome-user-share<br>sharing via WebDAV or ObexFTP                                  | 3.14.2-2ubuntu4               | amd64 | User level public file                    |
| ii | gnome-video-effects<br>GStreamer effects                                           | 0.4.1-3ubuntu1                | all   | Collection of                             |
| ii | gnupg<br>replacement                                                               | 1.4.20-1ubuntu3.1             | amd64 | GNU privacy guard - a free PGP            |
| ii | gnupg-agent<br>cryptographic agent                                                 | 2.1.11-6ubuntu2               | amd64 | GNU privacy guard -                       |
| ii | gnupg2<br>free PGP replacement (new v2.x)                                          | 2.1.11-6ubuntu2               | amd64 | GNU privacy guard - a                     |
| ii | google-chrome-stable<br>from Google                                                | 56.0.2924.76-1                | amd64 | The web browser                           |
| ii | google-talkplugin                                                                  | 5.41.3.0-1                    | amd64 | Google Talk Plugin                        |
| ii | gpgv<br>signature verification tool                                                | 1.4.20-1ubuntu3.1             | amd64 | GNU privacy guard -                       |
| ii | graphviz                                                                           | 2.38.0-12ubuntu2.1            | amd64 | rich set of graph drawing tools           |
| ii | grep                                                                               | 2.25-1~16.04.1                | amd64 | GNU grep, egrep and fgrep                 |
| ii | grilo-plugins-0.2-base:<br>discovering and browsing media - Base Plugins           | amd64<br>0.2.17-0ubuntu2      | amd64 | Framework for                             |
| ii | groff-base<br>system (base system components)                                      | 1.22.3-7                      | amd64 | GNU troff text-formatting                 |
| ii | grub-common<br>Bootloader (common files)                                           | 2.02~beta2-36ubuntu3.7        | amd64 | GRand Unified                             |
| ii | grub-efi-amd64<br>Bootloader, version 2 (EFI-AMD64 version)                        | 2.02~beta2-36ubuntu3.7        | amd64 | GRand Unified                             |
| ii | grub-efi-amd64-bin<br>AMD64 binaries)                                              | 2.02~beta2-36ubuntu3.7        | amd64 | GRand Unified Bootloader, version 2 (EFI- |
| ii | grub-efi-amd64-signed<br>Unified Bootloader, version 2 (EFI-AMD64 version, signed) | 1.66.7+2.02~beta2-36ubuntu3.7 | amd64 | GRand                                     |
| ii | grub2-common<br>Bootloader (common files for version 2)                            | 2.02~beta2-36ubuntu3.7        | amd64 | GRand Unified                             |
| ii | gsettings-desktop-schemas<br>wide schemas                                          | 3.18.1-1ubuntu1               | all   | GSettings desktop-                        |

|                                                  |                                     |       |                                          |
|--------------------------------------------------|-------------------------------------|-------|------------------------------------------|
| ii gsettings-ubuntu-schemas                      | 0.0.5+16.04.20160307-0ubuntu1       | all   | GSettings                                |
| desktop-wide schemas for Ubuntu                  |                                     |       |                                          |
| ii gsfonts                                       | 1:8.11+urwcyr1.0.7~pre44-4.2ubuntu1 | all   | Fonts for the                            |
| Ghostscript interpreter(s)                       |                                     |       |                                          |
| ii gsfonts-x11                                   |                                     |       |                                          |
|                                                  | 0.24                                | all   | Make Ghostscript fonts available to X11  |
| ii gstreamer1.0-alsa:amd64                       | 1.8.2-1ubuntu0.2                    | amd64 | GStreamer plugin                         |
| for ALSA                                         |                                     |       |                                          |
| ii gstreamer1.0-clutter-3.0                      | 3.0.18-1                            | amd64 | Clutter PPlugin for                      |
| GStreamer 1.0                                    |                                     |       |                                          |
| ii gstreamer1.0-fluendo-mp3:amd64                | 0.10.32.debian-1                    | amd64 | Fluendo mp3                              |
| decoder GStreamer 1.0 plugin                     |                                     |       |                                          |
| ii gstreamer1.0-libav:amd64                      | 1.8.2-1~ubuntu1                     | amd64 | libav plugin for                         |
| GStreamer                                        |                                     |       |                                          |
| ii gstreamer1.0-plugins-bad:amd64                | 1.8.2-1ubuntu0.2                    | amd64 | GStreamer                                |
| plugins from the "bad" set                       |                                     |       |                                          |
| ii gstreamer1.0-plugins-bad-faad:amd64           | 1.8.2-1ubuntu0.2                    |       |                                          |
| amd64                                            |                                     |       | GStreamer faad plugin from the "bad" set |
| ii gstreamer1.0-plugins-bad-videoparsers:amd64   | 1.8.2-1ubuntu0.2                    | amd64 |                                          |
| GStreamer videoparsers plugin from the "bad" set |                                     |       |                                          |
| ii gstreamer1.0-plugins-base:amd64               | 1.8.2-1ubuntu0.2                    | amd64 | GStreamer                                |
| plugins from the "base" set                      |                                     |       |                                          |
| ii gstreamer1.0-plugins-base:i386                | 1.8.2-1ubuntu0.2                    | i386  | GStreamer                                |
| plugins from the "base" set                      |                                     |       |                                          |
| ii gstreamer1.0-plugins-base-apps                | 1.8.2-1ubuntu0.2                    | amd64 | GStreamer                                |
| helper programs from the "base" set              |                                     |       |                                          |
| ii gstreamer1.0-plugins-good:amd64               | 1.8.2-1ubuntu0.3                    | amd64 | GStreamer                                |
| plugins from the "good" set                      |                                     |       |                                          |
| ii gstreamer1.0-plugins-good:i386                | 1.8.2-1ubuntu0.3                    |       |                                          |
| i386                                             |                                     |       | GStreamer plugins from the "good" set    |
| ii gstreamer1.0-plugins-ugly:amd64               | 1.8.2-1ubuntu0.1                    | amd64 | GStreamer                                |
| plugins from the "ugly" set                      |                                     |       |                                          |
| ii gstreamer1.0-plugins-ugly-amr:amd64           | 1.8.2-1ubuntu0.1                    | amd64 | GStreamer                                |
| plugins from the "ugly" set                      |                                     |       |                                          |
| ii gstreamer1.0-pulseaudio:amd64                 | 1.8.2-1ubuntu0.3                    | amd64 | GStreamer                                |
| plugin for PulseAudio                            |                                     |       |                                          |
| ii gstreamer1.0-tools                            | 1.8.2-1~ubuntu1                     | amd64 | Tools for use with                       |
| GStreamer                                        |                                     |       |                                          |
| ii gstreamer1.0-x:amd64                          | 1.8.2-1ubuntu0.2                    | amd64 | GStreamer plugins                        |
| for X11 and Pango                                |                                     |       |                                          |
| ii gstreamer1.0-x:i386                           | 1.8.2-1ubuntu0.2                    | i386  | GStreamer plugins                        |
| for X11 and Pango                                |                                     |       |                                          |
| ii gtk2-engines-murrine:amd64                    | 0.98.2-0ubuntu2.2                   | amd64 | cairo-based                              |
| gtk+-2.0 theme engine                            |                                     |       |                                          |
| ii gucharmap                                     | 1:3.18.2-1ubuntu1                   | amd64 | Unicode character                        |
| picker and font browser                          |                                     |       |                                          |
| ii guile-2.0-libs:amd64                          | 2.0.11+1-10                         | amd64 | Core Guile libraries                     |
| ii gvfs:amd64                                    | 1.28.2-1ubuntu1~16.04.1             | amd64 | userspace virtual                        |

|                                 |                                  |     |       |                                                   |
|---------------------------------|----------------------------------|-----|-------|---------------------------------------------------|
| filesystem - GIO module         |                                  |     |       |                                                   |
| ii gvfs-backends                | 1.28.2-1ubuntu1~16.04.1          |     | amd64 | userspace virtual                                 |
| filesystem - backends           |                                  |     |       |                                                   |
| ii gvfs-bin                     | 1.28.2-1ubuntu1~16.04.1          |     | amd64 | userspace virtual                                 |
| filesystem - binaries           |                                  |     |       |                                                   |
| ii gvfs-common                  | 1.28.2-1ubuntu1~16.04.1          | all |       | userspace virtual filesystem - common             |
| data files                      |                                  |     |       |                                                   |
| ii gvfs-daemons                 | 1.28.2-1ubuntu1~16.04.1          |     | amd64 | userspace virtual                                 |
| filesystem - servers            |                                  |     |       |                                                   |
| ii gvfs-fuse                    | 1.28.2-1ubuntu1~16.04.1          |     | amd64 | userspace virtual                                 |
| filesystem - fuse server        |                                  |     |       |                                                   |
| ii gvfs-libs:amd64              | 1.28.2-1ubuntu1~16.04.1          |     | amd64 | userspace virtual                                 |
| filesystem - private libraries  |                                  |     |       |                                                   |
| ii gyp                          | 0.1+20150913git1f374df9-1ubuntu1 |     | all   | Cross-platform                                    |
| build script generator          |                                  |     |       |                                                   |
| ii gzip                         | 1.6-4ubuntu1                     |     | amd64 | GNU compression utilities                         |
| ii hardening-includes           | 2.7ubuntu2                       | all |       | Makefile for enabling compiler flags for security |
| hardening                       |                                  |     |       |                                                   |
| ii hdparm                       | 9.48+ds-1                        |     | amd64 | tune hard disk parameters                         |
| for high performance            |                                  |     |       |                                                   |
| ii heroku                       | 3.43.16                          |     | all   | Client library and CLI to deploy                  |
| apps on Heroku.                 |                                  |     |       |                                                   |
| ii heroku-toolbelt              | 3.43.16                          |     | all   | A metapackage for working                         |
| with the Heroku platform.       |                                  |     |       |                                                   |
| ii hicolor-icon-theme           | 0.15-0ubuntu1                    |     | all   | default fallback theme                            |
| for FreeDesktop.org icon themes |                                  |     |       |                                                   |
| ii hostname                     | 3.16ubuntu2                      |     | amd64 | utility to set/show the                           |
| host name or domain             |                                  |     |       |                                                   |
| ii hplip                        | 3.16.3+repack0-1                 |     | amd64 | HP Linux Printing and                             |
| Imaging System (HPLIP)          |                                  |     |       |                                                   |
| ii hplip-data                   | 3.16.3+repack0-1                 |     | all   | HP Linux Printing and                             |
| Imaging - data files            |                                  |     |       |                                                   |
| ii hud                          | 14.10+16.04.20160415-0ubuntu1    |     | amd64 | Backend for the                                   |
| Unity HUD                       |                                  |     |       |                                                   |
| ii humanity-icon-theme          | 0.6.10                           |     | all   | Humanity Icon theme                               |
| ii hunspell-en-au               | 1:5.1.0-1ubuntu2.2               |     | all   | English (Australia)                               |
| dictionary for hunspell         |                                  |     |       |                                                   |
| ii hunspell-en-ca               | 1:5.1.0-1ubuntu2.2               |     | all   | English (Canada)                                  |
| dictionary for hunspell         |                                  |     |       |                                                   |
| ii hunspell-en-gb               | 1:5.1.0-1ubuntu2.2               | all |       | English (GB) dictionary for hunspell              |
| ii hunspell-en-us               | 20070829-6ubuntu3                |     | all   | English_american                                  |
| dictionary for hunspell         |                                  |     |       |                                                   |
| ii hunspell-en-za               | 1:5.1.0-1ubuntu2.2               |     | all   | English (South Africa)                            |
| dictionary for hunspell         |                                  |     |       |                                                   |

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| ii hunspell-it<br>hunspell                                                             | 1:5.1.0-1ubuntu2.2              | all   | Italian dictionary for                                         |
| ii hwdata<br>configuration data                                                        | 0.267-1                         | all   | hardware identification /                                      |
| ii hyphen-en-gb<br>hyphenation patterns                                                | 1:5.1.0-1ubuntu2.2              | all   | English (GB)                                                   |
| ii hyphen-en-us<br>2.8.8-2ubuntu1                                                      | all                             |       | US English hyphenation patterns for LibreOffice/OpenOffice.org |
| ii hyphen-it<br>patterns                                                               | 1:5.1.0-1ubuntu2.2              | all   | Italian hyphenation                                            |
| ii i965-va-driver:amd64<br>G45 & HD Graphics family                                    | 1.7.0-1                         | amd64 | VAAPI driver for Intel                                         |
| ii ibus                                                                                | 1.5.11-1ubuntu2                 | amd64 | Intelligent Input Bus - core                                   |
| ii ibus-gtk:amd64<br>GTK+2 support                                                     | 1.5.11-1ubuntu2                 | amd64 | Intelligent Input Bus -                                        |
| ii ibus-gtk3:amd64<br>- GTK+3 support                                                  | 1.5.11-1ubuntu2                 | amd64 | Intelligent Input Bus                                          |
| ii ibus-table                                                                          | 1.9.1-3ubuntu2                  |       |                                                                |
| all table engine for IBus                                                              |                                 |       |                                                                |
| ii icedtea-netx-common<br>implementation of the Java Network Launching Protocol (JNLP) | 1.6.2-3ubuntu1                  | all   | NetX -                                                         |
| ii icu-devtools<br>International Components for Unicode                                | 55.1-7                          | amd64 | Development utilities for                                      |
| ii ifupdown<br>configure network interfaces                                            | 0.8.10ubuntu1.2                 | amd64 | high level tools to                                            |
| ii im-config<br>configuration framework                                                | 0.29-1ubuntu12.3                | all   | Input method                                                   |
| ii imagemagick<br>programs -- binaries                                                 | 8:6.8.9.9-7ubuntu5.3            | amd64 | image manipulation                                             |
| ii imagemagick-6.q16<br>8:6.8.9.9-7ubuntu5.3                                           | amd64                           |       | image manipulation programs -- quantum depth Q16               |
| ii imagemagick-common<br>manipulation programs -- infrastructure                       | 8:6.8.9.9-7ubuntu5.3            | all   | image                                                          |
| ii indicator-application<br>Indicators                                                 | 12.10.1+15.04.20150128-0ubuntu1 | amd64 | Application                                                    |
| ii indicator-appmenu<br>for application menus.                                         | 15.02.0+16.04.20151104-0ubuntu1 | amd64 | Indicator                                                      |
| ii indicator-bluetooth<br>bluetooth indicator.                                         | 0.0.6+16.04.20160526-0ubuntu1   | amd64 | System                                                         |
| ii indicator-datetime                                                                  | 15.10+16.04.20160406-0ubuntu1   | amd64 | Simple clock                                                   |
| ii indicator-keyboard<br>indicator                                                     | 0.0.0+16.04.20151125-0ubuntu1   | amd64 | Keyboard                                                       |
| ii indicator-messages<br>that collects messages that need a response                   | 13.10.1+15.10.20150505-0ubuntu1 | amd64 | indicator                                                      |
| ii indicator-power<br>showing power state.                                             | 12.10.6+16.04.20160105-0ubuntu1 | amd64 | Indicator                                                      |
| ii indicator-printers<br>showing active print jobs                                     | 0.1.7+15.04.20150220-0ubuntu2   | amd64 | indicator                                                      |



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| ii indicator-session<br>showing session management, status and user switching  | 12.10.5+16.04.20160412-0ubuntu1 | amd64 | indicator                      |
| ii indicator-sound<br>sound indicator.                                         | 12.10.2+16.04.20160406-0ubuntu1 | amd64 | System                         |
| ii info<br>documentation browser                                               | 6.1.0.dfsg.1-5                  | amd64 | Standalone GNU Info            |
| ii<br>init<br>metapackage                                                      | 1.29ubuntu3                     | amd64 | System-V-like init utilities - |
| ii init-system-helpers<br>systems                                              | 1.29ubuntu3                     | all   | helper tools for all init      |
| ii initramfs-tools<br>generator (automation)                                   | 0.122ubuntu8.8                  | all   | generic modular initramfs      |
| ii initramfs-tools-bin<br>initramfs-tools                                      | 0.122ubuntu8.8                  | amd64 | binaries used by               |
| ii initramfs-tools-core<br>initramfs generator (core tools)                    | 0.122ubuntu8.8                  | all   | generic modular                |
| ii initscripts<br>and shutting down the system                                 | 2.88dsf-59.3ubuntu2             | amd64 | scripts for initializing       |
| ii<br>inputattach<br>attached peripherals to the input subsystem               | 1:1.4.9-1                       | amd64 | utility to connect serial-     |
| ii inserv<br>using LSB init.d script dependency information                    | 1.14.0-5ubuntu3                 | amd64 | boot sequence organizer        |
| ii install-info<br>documentation in info format                                | 6.1.0.dfsg.1-5                  | amd64 | Manage installed               |
| ii intel-gpu-tools<br>Intel graphics driver                                    | 1.14-1                          | amd64 | tools for debugging the        |
| ii intel-microcode<br>firmware for Intel CPUs                                  | 3.20151106.1                    | amd64 | Processor microcode            |
| ii intltool-debian<br>all Help i18n of RFC822 compliant config files           | 0.35.0+20060710.4               |       |                                |
| ii ippusbxd<br>support                                                         | 1.23-1                          | amd64 | Daemon for IPP USB printer     |
| ii iproute2<br>control tools                                                   | 4.3.0-1ubuntu3                  | amd64 | networking and traffic         |
| ii iptables<br>packet filtering and NAT                                        | 1.6.0-2ubuntu3                  | amd64 | administration tools for       |
| ii iputils-arping<br>echo requests to an ARP address                           | 3:20121221-5ubuntu2             | amd64 | Tool to send ICMP              |
| ii iputils-ping<br>reachability of network hosts                               | 3:20121221-5ubuntu2             | amd64 | Tools to test the              |
| ii iputils-tracepath<br>amd64 Tools to trace the network path to a remote host | 3:20121221-5ubuntu2             |       |                                |
| ii irqbalance<br>interrupts for SMP systems                                    | 1.1.0-2ubuntu1                  | amd64 | Daemon to balance              |
| ii isc-dhcp-client<br>automatically obtaining an IP address                    | 4.3.3-5ubuntu12.6               | amd64 | DHCP client for                |

|                                |                           |       |                                                                        |
|--------------------------------|---------------------------|-------|------------------------------------------------------------------------|
| ii isc-dhcp-common             | 4.3.3-5ubuntu12.6         | amd64 | common files used by all of the isc-dhcp packages                      |
| ii iso-codes                   | 3.65-1                    | all   | ISO language, territory, currency, script codes and their translations |
| ii iucode-tool                 | 1.5.1-1ubuntu0.1          | amd64 | Intel processor microcode tool                                         |
| ii iw                          | 3.17-1                    | amd64 | tool for configuring Linux wireless devices                            |
| ii java-common                 | 0.56ubuntu2               | all   | Base package for Java runtimes                                         |
| ii javahelp2                   | 2.0.05.ds1-8              | all   | Java based help system                                                 |
| ii javascript-common           | 11                        | all   | Base support for JavaScript library packages                           |
| ii jayatana                    | 2.7-0ubuntu5              | amd64 | Java Native Library for ayatana project                                |
| ii jblas                       | 1.2.3-6                   | amd64 | fast linear algebra library for Java                                   |
| ii junit                       | 3.8.2-8build1             |       | Automated testing framework for Java                                   |
| all                            |                           |       |                                                                        |
| ii junit4                      | 4.12-4ubuntu1             | all   | JUnit regression test framework for Java                               |
| ii kbd                         | 1.15.5-1ubuntu5           | amd64 | Linux console font and keytable utilities                              |
| ii kerneloops-daemon           | 0.12+git20140509-2ubuntu1 | amd64 | kernel oops tracker                                                    |
| ii keyboard-configuration      | 1.108ubuntu15.2           | all   | system-wide keyboard preferences                                       |
| ii keyutils                    | 1.5.9-8ubuntu1            | amd64 | Linux Key Management Utilities                                         |
| ii klibc-utils                 | 2.0.4-8ubuntu1.16.04.2    | amd64 | small utilities built with klibc for early boot                        |
| ii kmod                        | 22-1ubuntu4               | amd64 | tools for managing Linux kernel modules                                |
| ii krb5-locales                | 1.13.2+dfsg-5ubuntu1      | all   | Internationalization support for MIT Kerberos                          |
| ii language-pack-en            | 1:16.04+20161009          | all   | translation updates for language English                               |
| ii language-pack-en-base       | 1:16.04+20160627          | all   | translations for language English                                      |
| ii language-pack-gnome-en      | 1:16.04+20161009          | all   | GNOME translation updates for language English                         |
| ii language-pack-gnome-en-base | 1:16.04+20160627          | all   | GNOME translations for language English                                |
| ii language-pack-gnome-it      | 1:16.04+20161009          | all   | GNOME translation updates for language Italian                         |
| ii language-pack-gnome-it-base | 1:16.04+20160627          | all   | GNOME translations for language Italian                                |

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| translations for language Italian                                                                           |                                |                            |       |                            |
| ii language-pack-it<br>language Italian                                                                     | 1:16.04+20161009               |                            | all   | translation updates for    |
| ii language-pack-it-base<br>language Italian                                                                | 1:16.04+20160627               |                            | all   | translations for           |
| ii language-selector-common<br>Ubuntu                                                                       | 0.165.4                        |                            | all   | Language selector for      |
| ii language-selector-gnome<br>Ubuntu                                                                        | 0.165.4                        |                            | all   | Language selector for      |
| ii laptop-detect<br>0.13.7ubuntu2                                                                           | amd64                          | attempt to detect a laptop |       |                            |
| ii less<br>more                                                                                             | 481-2.1ubuntu0.1               |                            | amd64 | pager program similar to   |
| ii lib32z1<br>32 bit runtime                                                                                | 1:1.2.8.dfsg-2ubuntu4          |                            | amd64 | compression library -      |
| ii liba11y-profile-manager-0.1-0:amd64<br>Accessibility profile manager - Shared library                    | 0.1.10-0ubuntu3                |                            | amd64 |                            |
| ii liba11y-profile-manager-data<br>Profile Manager - GSettings data                                         | 0.1.10-0ubuntu3                |                            | all   | Accessibility              |
| ii liba52-0.7.4:amd64<br>ATSC A/52 streams                                                                  | 0.7.4-18                       |                            | amd64 | library for decoding       |
| ii libaa1:amd64<br>amd64 ASCII art library                                                                  | 1.4p5-44build1                 |                            |       |                            |
| ii libaa1:i386                                                                                              | 1.4p5-44build1                 |                            | i386  | ASCII art library          |
| ii libaacs0:amd64<br>implementation of AACs                                                                 | 0.8.1-1                        |                            | amd64 | free-and-libre             |
| ii libabw-0.1-1v5:amd64<br>and writing AbiWord(tm) documents                                                | 0.1.1-2ubuntu2                 |                            | amd64 | library for reading        |
| ii libaccount-plugin-1.0-0:amd64<br>libaccount-plugin for Unity Control Center                              | 0.1.8+16.04.20160201-0ubuntu1  |                            |       | amd64                      |
| ii libaccount-plugin-generic-oauth<br>GNOME Control Center account plugin for single signon - generic OAuth | 0.12+16.04.20160126-0ubuntu1   |                            |       | amd64                      |
| ii libaccount-plugin-google<br>amd64 GNOME Control Center account plugin for single signon - Google Auth    | 0.12+16.04.20160126-0ubuntu1   |                            |       |                            |
| ii libaccounts-glib0:amd64<br>single signon                                                                 | 1.21+16.04.20160222-0ubuntu1   |                            | amd64 | library for                |
| ii libaccounts-qt5-1:amd64<br>library for single sign on                                                    | 1.14+16.04.20151106.1-0ubuntu1 |                            | amd64 | QT                         |
| ii libaccountsservice0:amd64<br>manipulate user account information - shared libraries                      | 0.6.40-2ubuntu11.3             |                            | amd64 | query and                  |
| ii libacl1:amd64<br>library                                                                                 | 2.2.52-3                       |                            | amd64 | Access control list shared |
| ii libalgorithm-diff-perl<br>between files                                                                  | 1.19.03-1                      |                            | all   | module to find differences |
| ii libalgorithm-diff-xs-perl<br>amd64 module to find differences between files (XS accelerated)             | 0.04-4build1                   |                            |       |                            |
| ii libalgorithm-merge-perl<br>merge of textual data                                                         | 0.08-3                         |                            | all   | Perl module for three-way  |

|                                                                                        |                                    |       |                                                 |
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| ii libandroid-properties1<br>to provide access to get, set and list Android properties | 0.1.0+git20151016+6d424c9-0ubuntu7 | amd64 | Library                                         |
| ii libao-common<br>Output Library (Common files)                                       | 1.1.0-3ubuntu1                     | all   | Cross Platform Audio                            |
| ii libao4:amd64<br>Output Library                                                      | 1.1.0-3ubuntu1                     | amd64 | Cross Platform Audio                            |
| ii libaopalliance-java<br>for Java AOP implementations                                 | 20070526-5                         | all   | library for interoperability                    |
| ii libapache-pom-java<br>10-2build1                                                    | all                                |       | Maven metadata for all Apache Software projects |
| ii libapparmor-perl<br>Perl bindings                                                   | 2.10.95-0ubuntu2.5                 | amd64 | AppArmor library                                |
| ii libapparmor1:amd64<br>AppArmor library                                              | 2.10.95-0ubuntu2.5                 | amd64 | changehat                                       |
| ii libappindicator1<br>Indicators                                                      | 12.10.1+15.04.20141110-0ubuntu1    | amd64 | Application                                     |
| ii libappindicator3-1<br>Indicators                                                    | 12.10.1+15.04.20141110-0ubuntu1    | amd64 | Application                                     |
| ii libappstream-glib8:amd64<br>to access AppStream services                            | 0.5.13-1ubuntu4                    | amd64 | GNOME library                                   |
| ii libappstream3:amd64<br>Library to access AppStream services                         | 0.9.4-1ubuntu2                     | amd64 |                                                 |
| ii libapt-inst2.0:amd64<br>runtime library                                             | 1.2.18                             | amd64 | deb package format                              |
| ii libapt-pkg-perl<br>pkg                                                              | 0.1.29build7                       | amd64 | Perl interface to libapt-                       |
| ii libapt-pkg5.0:amd64<br>runtime library                                              | 1.2.18                             | amd64 | package management                              |
| ii libarchive-zip-perl<br>of ZIP archives                                              | 1.56-2                             | all   | Perl module for manipulation                    |
| ii libarchive13:amd64<br>archive and compression library (shared library)              | 3.1.2-11ubuntu0.16.04.2            | amd64 | Multi-format                                    |
| ii libart-2.0-2:amd64<br>for 2D graphics - runtime files                               | 2.3.21-2                           | amd64 | Library of functions                            |
| ii libasan1:amd64<br>fast memory error detector                                        | 4.9.3-13ubuntu2                    | amd64 | AddressSanitizer -- a                           |
| ii libasan2:amd64<br>- a fast memory error detector                                    | 5.4.0-6ubuntu1~16.04.4             | amd64 | AddressSanitizer -                              |
| ii libasm4-java<br>framework                                                           | 5.0.4-1                            | all   | Java bytecode manipulation                      |
| ii libasn1-8-heimdal:amd64<br>Kerberos - ASN.1 library                                 | 1.7~git20150920+dfsg-4ubuntu1      | amd64 | Heimdal                                         |
| ii libasound2:amd64<br>ALSA applications                                               | 1.1.0-0ubuntu1                     | amd64 | shared library for                              |
| ii libasound2:i386<br>ALSA applications                                                | 1.1.0-0ubuntu1                     | i386  | shared library for                              |
| ii libasound2-data<br>profiles for ALSA drivers                                        | 1.1.0-0ubuntu1                     | all   | Configuration files and                         |

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| ii libasound2-plugins:amd64<br>additional plugins                             | 1.1.0-0ubuntu1          | amd64 | ALSA library                                        |
| ii libasound2-plugins:i386<br>additional plugins                              | 1.1.0-0ubuntu1          | i386  | ALSA library                                        |
| ii libaspell15:amd64<br>spell-checker runtime library                         | 0.60.7~20110707-3build1 | amd64 | GNU Aspell                                          |
| ii libaspell15:i386<br>spell-checker runtime library                          | 0.60.7~20110707-3build1 | i386  | GNU Aspell spell-                                   |
| ii libasprintf-dev:amd64<br>Internationalization library development<br>files | 0.19.7-2ubuntu3         | amd64 | GNU                                                 |
| ii libasprintf0v5:amd64<br>fprintf and friends in C++                         | 0.19.7-2ubuntu3         | amd64 | GNU library to use                                  |
| ii libass5:amd64<br>subtitles rendering                                       | 0.13.1-1                | amd64 | library for SSA/ASS                                 |
| ii libassuan0:amd64<br>GnuPG components                                       | 2.4.2-2                 | amd64 | IPC library for the                                 |
| ii libasyncns0:amd64<br>service query library                                 | 0.8-5build1             | amd64 | Asynchronous name                                   |
| ii libasyncns0:i386<br>service query library                                  | 0.8-5build1             | i386  | Asynchronous name                                   |
| ii libatasmart4:amd64<br>reading and parsing library                          | 0.19-3                  | amd64 | ATA S.M.A.R.T.                                      |
| ii libatinject-jsr330-api-java<br>1.0+ds1-2                                   | all                     |       | Java API for JSR-330 Dependency Injection           |
| ii libatk-adaptor:amd64<br>bridge                                             | 2.18.1-2ubuntu1         | amd64 | AT-SPI 2 toolkit                                    |
| ii libatk-bridge2.0-0:amd64<br>bridge - shared library                        | 2.18.1-2ubuntu1         | amd64 | AT-SPI 2 toolkit                                    |
| ii libatk1.0-0:amd64<br>toolkit                                               | 2.18.0-1                | amd64 | ATK accessibility                                   |
| ii libatk1.0-0:i386                                                           | 2.18.0-1                | i386  | ATK accessibility toolkit                           |
| ii libatk1.0-data<br>accessibility toolkit                                    | 2.18.0-1                | all   | Common files for the ATK                            |
| ii libatk1.0-dev<br>amd64                                                     | 2.18.0-1                |       | Development files for the ATK accessibility toolkit |
| ii libatkmm-1.6-1v5:amd64<br>ATK accessibility toolkit (shared libraries)     | 2.24.2-1                | amd64 | C++ wrappers for                                    |
| ii libatlas-base-dev<br>Linear Algebra Software, generic static               | 3.10.2-9                | amd64 | Automatically Tuned                                 |
| ii libatlas-dev<br>Linear Algebra Software, C header files                    | 3.10.2-9                | amd64 | Automatically Tuned Linear                          |
| ii libatlas3-base<br>Linear Algebra Software, generic shared                  | 3.10.2-9                | amd64 | Automatically Tuned                                 |
| ii libatml:amd64<br>(Asynchronous<br>Transfer Mode)                           | 1:2.5.1-1.5             | amd64 | shared library for ATM                              |
| ii libatomic1:amd64                                                           | 5.4.0-6ubuntu1~16.04.4  | amd64 | support library                                     |

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| providing __atomic built-in functions                  |                           |       |                                                                              |  |
| ii libatspi2.0-0:amd64                                 | 2.18.3-4ubuntu1           | amd64 | Assistive                                                                    |  |
| Technology Service Provider Interface - shared library |                           |       |                                                                              |  |
| ii libattr1:amd64                                      | 1:2.4.47-2                | amd64 | Extended attribute shared library                                            |  |
| ii libaudio2:amd64                                     | 1.9.4-4                   | amd64 | Network Audio System - shared libraries                                      |  |
| ii libaudio2:i386                                      | 1.9.4-4                   | i386  | Network Audio System - shared libraries                                      |  |
| ii libaudit-common                                     | 1:2.4.5-1ubuntu2          | all   | Dynamic library for security auditing - common files                         |  |
| ii libaudit1:amd64                                     | 1:2.4.5-1ubuntu2          | amd64 | Dynamic library for security auditing                                        |  |
| ii libauthen-sasl-perl                                 | 2.1600-1                  | all   | Authen::SASL - SASL Authentication framework                                 |  |
| ii libavahi-client3:amd64                              | 0.6.32~rc+dfsg-1ubuntu2   | amd64 | Avahi client library                                                         |  |
| ii libavahi-client3:i386                               | 0.6.32~rc+dfsg-1ubuntu2   | i386  | Avahi client library                                                         |  |
| ii libavahi-common-data:amd64                          | 0.6.32~rc+dfsg-1ubuntu2   | amd64 | Avahi common data files                                                      |  |
| ii libavahi-common-data:i386                           | 0.6.32~rc+dfsg-1ubuntu2   | i386  | Avahi common data files                                                      |  |
| ii libavahi-common3:amd64                              | 0.6.32~rc+dfsg-1ubuntu2   | amd64 | Avahi common library                                                         |  |
| ii libavahi-common3:i386                               | 0.6.32~rc+dfsg-1ubuntu2   | i386  | Avahi common library                                                         |  |
| ii libavahi-core7:amd64                                | 0.6.32~rc+dfsg-1ubuntu2   | amd64 | Avahi's embeddable mDNS/DNS-SD library                                       |  |
| ii libavahi-glib1:amd64                                | 0.6.32~rc+dfsg-1ubuntu2   | amd64 | Avahi GLib integration library                                               |  |
| ii libavahi-ui-gtk3-0:amd64                            | 0.6.32~rc+dfsg-1ubuntu2   | amd64 | Avahi GTK+ User interface library for GTK3                                   |  |
| ii libavc1394-0:amd64                                  | 0.5.4-4                   | amd64 | control IEEE 1394 audio/video devices                                        |  |
| ii libavc1394-0:i386                                   | 0.5.4-4                   | i386  | control IEEE 1394 audio/video devices                                        |  |
| ii libavcodec-dev:amd64                                | 7:2.8.10-0ubuntu0.16.04.1 | amd64 | FFmpeg library with de/encoders for audio/video codecs - development files   |  |
| ii libavcodec-ffmpeg56:amd64                           | 7:2.8.10-0ubuntu0.16.04.1 | amd64 | FFmpeg library with de/encoders for audio/video codecs - runtime files       |  |
| ii libavfilter-ffmpeg5:amd64                           | 7:2.8.10-0ubuntu0.16.04.1 | amd64 | FFmpeg library containing media filters - runtime files                      |  |
| ii libavformat-dev:amd64                               | 7:2.8.10-0ubuntu0.16.04.1 | amd64 | FFmpeg library with (de)muxers for multimedia containers - development files |  |
| ii libavformat-ffmpeg56:amd64                          | 7:2.8.10-0ubuntu0.16.04.1 | amd64 | FFmpeg library with (de)muxers for multimedia containers - runtime           |  |

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|------------------------------------|------------------------------------|-------|------------------------|------------------------------------------------------------------------|
| files                              |                                    |       |                        |                                                                        |
| ii libavresample-ffmpeg2:amd64     | 7:2.8.10-0ubuntu0.16.04.1          | amd64 | FFmpeg                 | compatibility library for resampling - runtime files                   |
| ii libavutil-dev:amd64             | 7:2.8.10-0ubuntu0.16.04.1          | amd64 | FFmpeg                 | library with functions for simplifying programming - development files |
| ii libavutil-ffmpeg54:amd64        | 7:2.8.10-0ubuntu0.16.04.1          | amd64 | FFmpeg                 | library with functions for simplifying programming - runtime files     |
| ii libbabeltrace-ctf1:amd64        | 1.3.2-1                            | amd64 | Common Trace           | Format (CTF) library                                                   |
| ii libbabeltrace1:amd64            | 1.3.2-1                            | amd64 | Babeltrace             | conversion libraries                                                   |
| ii libbambf3-2:amd64               | 0.5.3~bZR0+16.04.20160824-0ubuntu1 | amd64 |                        | Window matching library - shared library                               |
| ii libbdplus0:amd64                | 0.1.2-1                            | amd64 |                        | implementation of BD+ for reading Blu-ray Discs                        |
| ii libbind9-140:amd64              | 1:9.10.3.dfsg.P4-8ubuntu1.4        | amd64 | BIND9                  | Shared Library used by BIND                                            |
| ii libbison-dev:amd64              | 2:3.0.4.dfsg-1                     | amd64 | YACC-compatible        | parser generator - development library                                 |
| ii libblas-common                  | 3.6.0-2ubuntu2                     | amd64 | Dependency             | package for all BLAS implementations                                   |
| ii libblas-dev                     | 3.6.0-2ubuntu2                     | amd64 | Basic Linear Algebra   | Subroutines 3, static library                                          |
| ii libblas3                        | 3.6.0-2ubuntu2                     | amd64 | Basic Linear Algebra   | Reference implementations, shared library                              |
| ii libblkid1:amd64                 | 2.27.1-6ubuntu3.2                  | amd64 | block device           | ID library                                                             |
| ii libbluetooth3:amd64             | 5.37-0ubuntu5                      | amd64 | Library to use the     | BlueZ Linux Bluetooth stack                                            |
| ii libbluray1:amd64                | 1:0.9.2-2                          | amd64 | Blu-ray disc           | playback support library (shared library)                              |
| ii libboost-date-time1.58.0:amd64  | 1.58.0+dfsg-5ubuntu3.1             | amd64 | set of date-           | time libraries based on generic programming concepts                   |
| ii libboost-filesystem1.58.0:amd64 | 1.58.0+dfsg-5ubuntu3.1             | amd64 | filesystem             | operations (portable paths, iteration over directories, etc) in C++    |
| ii libboost-iostreams1.58.0:amd64  | 1.58.0+dfsg-5ubuntu3.1             | amd64 | Boost.Iostreams        | Library                                                                |
| ii libboost-system1.58.0:amd64     | 1.58.0+dfsg-5ubuntu3.1             | amd64 | Operating              | system (e.g. diagnostics support) library                              |
| ii libbrlapi0.6:amd64              | 5.3.1-2ubuntu2.1                   | amd64 | braille display        | access via BRLTTY - shared library                                     |
| ii libbs2b0:amd64                  | 3.1.0+dfsg-2.2                     | amd64 | Bauer stereophonic-to- | binaural DSP library                                                   |
| ii libbsd0:amd64                   | 0.8.2-1                            | amd64 | utility functions from | BSD systems - shared library                                           |
| ii libbsd0:i386                    | 0.8.2-1                            | i386  | utility functions from | BSD systems - shared library                                           |
| ii                                 |                                    |       |                        |                                                                        |

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|---------------------------------------------------------------------------------|----------------------------|-------|----------------------------------------------------|
| libbsh-java<br>(BeanShell) Version 2 (library)                                  | 2.0b4-17ubuntu1            | all   | Java scripting environment                         |
| ii libbz2-1.0:amd64<br>sorting file compressor library - runtime                | 1.0.6-8                    | amd64 | high-quality block-                                |
| ii libbz2-1.0:i386<br>file compressor library - runtime                         | 1.0.6-8                    | i386  | high-quality block-sorting                         |
| ii libc-bin                                                                     | 2.23-0ubuntu5              | amd64 | GNU C Library: Binaries                            |
| ii libc-dev-bin<br>Development binaries                                         | 2.23-0ubuntu5              | amd64 | GNU C Library:                                     |
| ii libc6:amd64<br>libraries                                                     | 2.23-0ubuntu5              | amd64 | GNU C Library: Shared                              |
| ii libc6:i386<br>libraries                                                      | 2.23-0ubuntu5              | i386  | GNU C Library: Shared                              |
| ii libc6-dbg:amd64<br>detached debugging symbols                                | 2.23-0ubuntu5              | amd64 | GNU C Library:                                     |
| ii libc6-dev:amd64<br>Development Libraries and Header Files                    | 2.23-0ubuntu5              | amd64 | GNU C Library:                                     |
| ii libc6-i386<br>shared libraries for AMD64                                     | 2.23-0ubuntu5              | amd64 | GNU C Library: 32-bit                              |
| ii libcac0:amd64<br>library                                                     | 0.99.beta19-2build2~gcc5.2 | amd64 | colour ASCII art                                   |
| ii libcac0:i386<br>library                                                      | 0.99.beta19-2build2~gcc5.2 | i386  | colour ASCII art                                   |
| ii libcairo-gobject2:amd64<br>library                                           | 1.14.6-1                   | amd64 | Cairo 2D vector graphics library (GObject library) |
| ii libcairo-gobject2:i386<br>library (GObject library)                          | 1.14.6-1                   | i386  | Cairo 2D vector graphics                           |
| ii libcairo-script-interpreter2:amd64<br>graphics library (script interpreter)  | 1.14.6-1                   | amd64 | Cairo 2D vector                                    |
| ii libcairo2:amd64<br>library                                                   | 1.14.6-1                   | amd64 | Cairo 2D vector graphics                           |
| ii libcairo2:i386<br>library                                                    | 1.14.6-1                   | i386  | Cairo 2D vector graphics                           |
| ii libcairo2-dev<br>Cairo 2D graphics library                                   | 1.14.6-1                   | amd64 | Development files for the                          |
| ii libcaiomm-1.0-1v5:amd64<br>library                                           | 1.12.0-1                   | amd64 | C++ wrappers for Cairo (shared libraries)          |
| ii libcamel-1.2-54:amd64<br>message handling library                            | 3.18.5-1ubuntu1            | amd64 | Evolution MIME                                     |
| ii libcanberra-gtk-module:amd64<br>GTK+ widgets signals to event sounds         | 0.30-2.1ubuntu1            | amd64 | translates                                         |
| ii libcanberra-gtk0:amd64<br>playing widget event sounds with libcanberra       | 0.30-2.1ubuntu1            | amd64 | GTK+ helper for                                    |
| ii libcanberra-gtk3-0:amd64<br>for playing widget event sounds with libcanberra | 0.30-2.1ubuntu1            | amd64 | GTK+ 3.0 helper                                    |
| ii libcanberra-gtk3-module:amd64<br>GTK3                                        | 0.30-2.1ubuntu1            | amd64 | translates                                         |



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|------------------------------------------------|------------------------|-------|-----------------------------|
| widgets signals to event sounds                |                        |       |                             |
| ii libcanberra-pulse:amd64                     | 0.30-2.1ubuntu1        | amd64 | PulseAudio                  |
| backend for libcanberra                        |                        |       |                             |
| ii libcanberra0:amd64                          | 0.30-2.1ubuntu1        | amd64 | simple abstract             |
| interface for playing event sounds             |                        |       |                             |
| ii libcap-ng0:amd64                            | 0.7.7-1                | amd64 | An alternate POSIX          |
| capabilities library                           |                        |       |                             |
| ii libcap2:amd64                               | 1:2.24-12              | amd64 | POSIX 1003.1e               |
| capabilities (library)                         |                        |       |                             |
| ii libcap2:i386                                | 1:2.24-12              | i386  | POSIX 1003.1e capabilities  |
| (library)                                      |                        |       |                             |
| ii libcap2-bin                                 | 1:2.24-12              | amd64 | POSIX 1003.1e               |
| capabilities (utilities)                       |                        |       |                             |
| ii                                             |                        |       |                             |
| libcc1-0:amd64                                 | 5.4.0-6ubuntu1~16.04.4 | amd64 | GCC cc1 plugin for          |
| GDB                                            |                        |       |                             |
| ii libcdi-api-java                             | 1.0-2                  | all   | Contexts and Dependency     |
| Injection for Java EE                          |                        |       |                             |
| ii libcdio-cdda1:amd64                         | 0.83-4.2ubuntu1        | amd64 | library to read and         |
| control digital audio CDs                      |                        |       |                             |
| ii libcdio-paranoia1:amd64                     | 0.83-4.2ubuntu1        | amd64 | library to read             |
| digital audio CDs with error correction        |                        |       |                             |
| ii libcdio13:amd64                             | 0.83-4.2ubuntu1        | amd64 | library to read and         |
| control CD-ROM                                 |                        |       |                             |
| ii libcdparanoia0:amd64                        | 3.10.2+debian-11       | amd64 | audio extraction            |
| tool for sampling CDs (library)                |                        |       |                             |
| ii                                             |                        |       |                             |
| libcdparanoia0:i386                            | 3.10.2+debian-11       | i386  | audio extraction tool       |
| for sampling CDs (library)                     |                        |       |                             |
| ii libcdr-0.1-1:amd64                          | 0.1.2-2ubuntu2         | amd64 | library for reading         |
| and converting Corel DRAW files                |                        |       |                             |
| ii libcdt5                                     | 2.38.0-12ubuntu2.1     | amd64 | rich set of graph drawing   |
| tools - cdt library                            |                        |       |                             |
| ii libcgi-fast-perl                            | 1:2.10-1               | all   | CGI subclass for work with  |
| FCGI                                           |                        |       |                             |
| ii libcgi-pm-perl                              | 4.26-1                 | all   | module for Common Gateway   |
| Interface applications                         |                        |       |                             |
| ii libcglib3-java                              | 3.1+dfsg-1             | all   | code generation library for |
| Java                                           |                        |       |                             |
| ii                                             |                        |       |                             |
| libcgmanager0:amd64                            | 0.39-2ubuntu5          | amd64 | Central cgroup              |
| manager daemon (client library)                |                        |       |                             |
| ii libcgraph6                                  | 2.38.0-12ubuntu2.1     | amd64 | rich set of graph           |
| drawing tools - cgraph library                 |                        |       |                             |
| ii libcheese-gtk25:amd64                       | 3.18.1-2ubuntu3        | amd64 | tool to take                |
| pictures and videos from your webcam - widgets |                        |       |                             |
| ii libcheese8:amd64                            | 3.18.1-2ubuntu3        | amd64 | tool to take pictures       |
| and videos from your webcam - base library     |                        |       |                             |

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|-------------------------------------------------------------------------------------|-------------------------------|-------|------------------------------|
| ii libchromaprint0:amd64<br>library                                                 | 1.3-1                         | amd64 | audio fingerprint            |
| ii libcilkrts5:amd64<br>language extensions (runtime)                               | 5.4.0-6ubuntu1~16.04.4        | amd64 | Intel Cilk Plus              |
| ii libclang-common-3.8-dev<br>Common development package                            | 1:3.8-2ubuntu4                | amd64 | clang library -              |
| ii libclang1-3.8:amd64<br>clang library                                             | 1:3.8-2ubuntu4                | amd64 | C interface to the           |
| ii libclass-accessor-perl<br>automatically generates accessors                      | 0.34-1                        | all   | Perl module that             |
| ii libclassworlds-java<br>developers requiring manipulation of ClassLoaders         | 1.1-final-5                   | all   | framework for container      |
| ii libclone-perl<br>copying Perl datatypes                                          | 0.38-1build1                  | amd64 | module for recursively       |
| ii libclucene-contribs1v5:amd64<br>amd64 language specific text analyzers (runtime) | 2.3.3.4-4.1                   |       |                              |
| ii libclucene-core1v5:amd64<br>featured text search engine (runtime)                | 2.3.3.4-4.1                   | amd64 | core library for full-       |
| ii libclutter-1.0-0:amd64<br>interactive canvas library                             | 1.24.2-1                      | amd64 | Open GL based                |
| ii libclutter-1.0-common<br>interactive canvas library (common files)               | 1.24.2-1                      | all   | Open GL based                |
| ii libclutter-gst-3.0-0:amd64<br>interactive canvas library GStreamer elements      | 3.0.18-1                      | amd64 | Open GL based                |
| ii libclutter-gtk-1.0-0:amd64<br>interactive canvas library GTK+ widget             | 1.6.6-1                       | amd64 | Open GL based                |
| ii libcmis-0.5-5v5:amd64<br>0.5.1-2ubuntu2                                          | amd64                         | amd64 | CMIS protocol client library |
| ii libcogl-common<br>Abstraction/Utility Layer (common files)                       | 1.22.0-2                      | all   | Object oriented GL/GLES      |
| ii libcogl-pango20:amd64<br>GL/GLES Abstraction/Utility Layer                       | 1.22.0-2                      | amd64 | Object oriented              |
| ii libcogl-path20:amd64<br>GL/GLES Abstraction/Utility Layer                        | 1.22.0-2                      | amd64 | Object oriented              |
| ii libcogl20:amd64<br>GL/GLES Abstraction/Utility Layer                             | 1.22.0-2                      | amd64 | Object oriented              |
| ii libcolamd2.9.1:amd64<br>minimum degree ordering library for sparse matrices      | 1:4.4.6-1                     | amd64 | column approximate           |
| ii<br>libcolord2:amd64                                                              | 1.2.12-1ubuntu1               | amd64 | system service to            |
| manage device colour profiles -- runtime                                            |                               |       |                              |
| ii libcolorhug2:amd64<br>ColorHug colourimeter -- runtime                           | 1.2.12-1ubuntu1               | amd64 | library to access the        |
| ii libcolumbus1-common<br>matching engine - common files                            | 1.1.0+15.10.20150806-0ubuntu4 | all   | error tolerant               |
| ii libcolumbus1v5:amd64<br>tolerant matching engine - shared library                | 1.1.0+15.10.20150806-0ubuntu4 | amd64 | error                        |
| ii libcomerr2:amd64                                                                 | 1.42.13-1ubuntu1              | amd64 | common error                 |

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|---------------------------------|------------------------------------|-------|-------|-------------------------------------------------------------------|
| description library             |                                    |       |       |                                                                   |
| ii libcomerr2:i386              | 1.42.13-1ubuntu1                   |       | i386  | common error                                                      |
| description library             |                                    |       |       |                                                                   |
| ii libcommons-cli-java          | 1.3.1-3ubuntu1                     |       | all   | Command line arguments and options parsing library                |
| ii libcommons-codec-java        | 1.10-1                             |       | all   | encoder and decoders such as Base64 and hexadecimal codec         |
| ii libcommons-collections3-java | 3.2.2-1                            |       | all   | Apache Commons Collections - Extended Collections API for Java    |
| ii libcommons-httpclient-java   | 3.1-12                             |       | all   | Commons HTTPClient - Java library for creating HTTP clients       |
| ii libcommons-io-java           | 2.4-2                              |       | all   | Common useful IO related classes                                  |
| ii libcommons-lang-java         | 2.6-6ubuntu2                       |       | all   | Commons Lang - an extension of the java.lang package              |
| ii libcommons-lang3-java        | 3.4-1                              |       | all   | Extension of the java.lang package (for Java 5+)                  |
| ii libcommons-logging-java      | 1.2-1+build1                       |       | all   | common wrapper interface for several logging APIs                 |
| ii libcommons-math-java         | 2.2-5                              |       | all   | Java lightweight mathematics and statistics components            |
| ii libcommons-net-java          | 3.4-2ubuntu2                       |       | all   | Apache Commons Net - Java client API for basic Internet protocols |
| ii libcommons-net2-java         | 2.2-2                              |       | all   | internet protocol suite Java library                              |
| ii libcommons-parent-java       | 39-3                               | all   |       | Maven metadata for Apache Commons project                         |
| ii libcompizconfig0:amd64       | 1:0.9.12.2+16.04.20160823-0ubuntu1 |       | amd64 | Settings library for plugins - OpenCompositing Project            |
| ii libcrack2:amd64              | 2.9.2-1build2                      |       | amd64 | pro-active password checker library                               |
| ii libcroco3:amd64              | 0.6.11-1                           |       | amd64 | Cascading Style Sheet (CSS) parsing and manipulation toolkit      |
| ii libcryptsetup4:amd64         | 2:1.6.6-5ubuntu2                   |       | amd64 | disk encryption support - shared library                          |
| ii libcrystalhd3:amd64          | 1:0.0~git20110715.fdd2f19-11build1 |       | amd64 | Crystal HD Video Decoder (shared library)                         |
| ii libcups2:amd64               | 2.1.3-4                            | amd64 |       | Common UNIX Printing System(tm) - Core library                    |
| ii libcups2:i386                | 2.1.3-4                            |       | i386  | Common UNIX Printing System(tm) - Core library                    |
| ii libcups2-dev:amd64           | 2.1.3-4                            |       | amd64 | Common UNIX Printing System(tm) - Development files CUPS library  |
| ii libcups2-cgi1:amd64          | 2.1.3-4                            |       | amd64 | Common UNIX Printing System(tm) - CGI library                     |
| ii libcupsfilters1:amd64        | 1.8.3-2ubuntu3.1                   |       | amd64 | OpenPrinting CUPS Filters - Shared library                        |

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|------------------------------------------------------------------------------------------------|---------------------------------|-------|----------------------------------------|
| ii libcupsimage2:amd64<br>Printing System(tm) - Raster image library                           | 2.1.3-4                         | amd64 | Common UNIX                            |
| ii libcupsmime1:amd64<br>library                                                               | 2.1.3-4                         | amd64 | Common UNIX Printing System(tm) - MIME |
| ii libcupspdc1:amd64<br>Printing System(tm) - PPD manipulation library                         | 2.1.3-4                         | amd64 | Common UNIX                            |
| ii libcurl3:amd64<br>side URL transfer library (OpenSSL flavour)                               | 7.47.0-1ubuntu2.2               | amd64 | easy-to-use client-                    |
| ii libcurl3-gnutls:amd64<br>side URL transfer library (GnuTLS flavour)                         | 7.47.0-1ubuntu2.2               | amd64 | easy-to-use client-                    |
| ii libcv-dev:amd64<br>package for libcv-dev                                                    | 2.4.9.1+dfsg-1.5ubuntu1         | amd64 | Translation                            |
| ii libcvaux-dev:amd64<br>package for libcvaux-dev                                              | 2.4.9.1+dfsg-1.5ubuntu1         | amd64 | Translation                            |
| ii libdaemon0:amd64<br>for daemons - runtime library                                           | 0.14-6                          | amd64 | lightweight C library                  |
| ii libdata-alias-perl<br>instead of copies                                                     | 1.20-1build1                    | amd64 | module to create aliases               |
| ii libdatrie1:amd64                                                                            | 0.2.10-2                        | amd64 | Double-array trie library              |
| ii libdatrie1:i386                                                                             | 0.2.10-2                        | i386  | Double-array trie library              |
| ii libdb5.3:amd64<br>Libraries [runtime]                                                       | 5.3.28-11                       | amd64 | Berkeley v5.3 Database                 |
| ii libdbus-1-3:amd64<br>messaging system<br>(library)                                          | 1.10.6-1ubuntu3.3               | amd64 | simple interprocess                    |
| ii libdbus-1-3:i386<br>messaging system (library)                                              | 1.10.6-1ubuntu3.3               | i386  | simple interprocess                    |
| ii libdbus-glib-1-2:amd64<br>messaging system (GLib-based shared library)                      | 0.106-1                         | amd64 | simple interprocess                    |
| ii libdbus-glib-1-2:i386<br>messaging system (GLib-based shared library)                       | 0.106-1                         | i386  | simple interprocess                    |
| ii libdbusmenu-glib4:amd64<br>for passing menus over Dbus                                      | 16.04.1+16.04.20160927-0ubuntu1 | amd64 | library                                |
| ii libdbusmenu-gtk3-4:amd64<br>for passing menus over Dbus - GTK+ version                      | 16.04.1+16.04.20160927-0ubuntu1 | amd64 | library                                |
| ii libdbusmenu-gtk4:amd64<br>library for passing menus over Dbus - GTK+ version                | 16.04.1+16.04.20160927-0ubuntu1 | amd64 |                                        |
| ii libdbusmenu-qt2:amd64<br>implementation of the DbusMenu protocol                            | 0.9.3+16.04.20160218-0ubuntu1   | amd64 | Qt                                     |
| ii libdbusmenu-qt2:i386<br>implementation of the DbusMenu protocol                             | 0.9.3+16.04.20160218-0ubuntu1   | i386  | Qt                                     |
| ii libdbusmenu-qt5:amd64<br>implementation of the DbusMenu protocol                            | 0.9.3+16.04.20160218-0ubuntu1   | amd64 | Qt5                                    |
| ii libdc1394-22:amd64<br>programming interface for IEEE 1394 digital cameras                   | 2.2.4-1                         | amd64 | high level                             |
| ii libdc1394-22-dev:amd64<br>programming interface for IEEE 1394 digital cameras - development | 2.2.4-1                         | amd64 | high level                             |

|                                  |                                    |       |                                                                       |
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| ii libdca0:amd64                 | 0.0.5-7build1                      | amd64 | decoding library for DTS Coherent Acoustics streams                   |
| ii libdconf1:amd64               | 0.24.0-2                           | amd64 | simple configuration storage system - runtime library                 |
| ii libdconf1:i386                | 0.24.0-2                           | i386  | simple configuration storage system - runtime library                 |
| ii libde265-0:amd64              | 1.0.2-2                            | amd64 | Open H.265 video codec implementation                                 |
| ii libdebconfclient0:amd64       | 0.198ubuntu1                       | amd64 | Debian Configuration Management System (C-implementation library)     |
| ii libdecoration0:amd64          | 1:0.9.12.2+16.04.20160823-0ubuntu1 | amd64 | Compiz window decoration library                                      |
| ii libdee-1.0-4:amd64            | 1.2.7+15.04.20150304-0ubuntu2      | amd64 | model to synchronize multiple instances over Dbus - shared lib        |
| ii libdevmapper1.02.1:amd64      | 2:1.02.110-1ubuntu10               | amd64 | Linux Kernel Device Mapper userspace library                          |
| ii libdfu1:amd64                 | 0.7.0-0ubuntu4.3                   | amd64 | Firmware update daemon library for DFU support                        |
| ii libdigest-hmac-perl           | 1.03+dfsg-1                        | all   | module for creating standard message integrity checks                 |
| ii libdjvulibre-text             | 3.5.27.1-5                         | all   | Linguistic support files for libdjvulibre                             |
| ii libdjvulibre21:amd64          | 3.5.27.1-5                         | amd64 | Runtime support for the DjVu image format                             |
| ii libdmapsharing-3.0-2:amd64    | 2.9.34-1                           | amd64 | DMAP client and server library - runtime                              |
| ii libdns-export162              | 1:9.10.3.dfsg.P4-8ubuntu1.4        | amd64 | Exported DNS Shared Library                                           |
| ii libdns162:amd64               | 1:9.10.3.dfsg.P4-8ubuntu1.4        | amd64 | DNS Shared Library used by BIND                                       |
| ii libdom4j-java                 | 1.6.1+dfsg.3-2ubuntu1              | all   | flexible XML framework for Java                                       |
| ii libdotconf0:amd64             | 1.3-0.2                            | amd64 | Configuration file parser library - runtime files                     |
| ii libdouble-conversion1v5:amd64 | 2.0.1-3ubuntu2                     | amd64 | routines to convert IEEE floats to and from strings                   |
| ii libdoxia-core-java            | 1.1.4-3ubuntu1                     | all   | Doxia content generation framework (core)                             |
| ii libdpkg-perl                  | 1.18.4ubuntu1.1                    | all   | Dpkg perl modules                                                     |
| ii libdrm-amdgpu1:amd64          | 2.4.67-1ubuntu0.16.04.2            | amd64 | Userspace interface to amdgpu-specific kernel DRM services -- runtime |
| ii libdrm-amdgpu1:i386           | 2.4.67-1ubuntu0.16.04.2            | i386  | Userspace interface to amdgpu-specific kernel DRM services -- runtime |
| ii libdrm-dev:amd64              | 2.4.67-1ubuntu0.16.04.2            | amd64 | Userspace interface to kernel DRM services -- development files       |
| ii libdrm-intel1:amd64           | 2.4.67-1ubuntu0.16.04.2            | amd64 | Userspace interface to kernel DRM services -- development files       |

|                                                              |                         |  |       |                          |
|--------------------------------------------------------------|-------------------------|--|-------|--------------------------|
| interface                                                    |                         |  |       |                          |
| to intel-specific kernel DRM services -- runtime             |                         |  |       |                          |
| ii libdrm-intel1:i386                                        | 2.4.67-1ubuntu0.16.04.2 |  | i386  | Userspace interface      |
| to intel-specific kernel DRM services -- runtime             |                         |  |       |                          |
| ii libdrm-nouveau2:amd64                                     | 2.4.67-1ubuntu0.16.04.2 |  | amd64 | Userspace                |
| interface to nouveau-specific kernel DRM services -- runtime |                         |  |       |                          |
| ii libdrm-nouveau2:i386                                      | 2.4.67-1ubuntu0.16.04.2 |  | i386  | Userspace                |
| interface to nouveau-specific kernel DRM services -- runtime |                         |  |       |                          |
| ii libdrm-radeon1:amd64                                      | 2.4.67-1ubuntu0.16.04.2 |  | amd64 | Userspace                |
| interface to radeon-specific kernel DRM services -- runtime  |                         |  |       |                          |
| ii libdrm-radeon1:i386                                       | 2.4.67-1ubuntu0.16.04.2 |  | i386  | Userspace                |
| interface to radeon-specific kernel                          |                         |  |       |                          |
| DRM services -- runtime                                      |                         |  |       |                          |
| ii libdrm2:amd64                                             | 2.4.67-1ubuntu0.16.04.2 |  | amd64 | Userspace                |
| interface to kernel DRM services -- runtime                  |                         |  |       |                          |
| ii libdrm2:i386                                              | 2.4.67-1ubuntu0.16.04.2 |  | i386  | Userspace interface      |
| to kernel DRM services -- runtime                            |                         |  |       |                          |
| ii libdv4:amd64                                              | 1.0.0-7                 |  | amd64 | software library for DV  |
| format digital video (runtime lib)                           |                         |  |       |                          |
| ii libdv4:i386                                               | 1.0.0-7                 |  | i386  | software library for DV  |
| format digital video (runtime lib)                           |                         |  |       |                          |
| ii libdvnav4:amd64                                           | 5.0.3-1                 |  | amd64 | DVD navigation library   |
| ii libdvread4:amd64                                          | 5.0.3-1                 |  | amd64 |                          |
| library for reading DVDs                                     |                         |  |       |                          |
| ii libdw1:amd64                                              | 0.165-3ubuntu1          |  | amd64 | library that provides    |
| access to the DWARF debug information                        |                         |  |       |                          |
| ii libe-book-0.1-1:amd64                                     | 0.1.2-2ubuntu1          |  | amd64 | library for reading      |
| and converting various e-book formats                        |                         |  |       |                          |
| ii libeasymock-java                                          | 3.3.1+ds-3              |  | all   | Java library to generate |
| Mock Objects for given interfaces                            |                         |  |       |                          |
| ii libebook-1.2-10:amd64                                     | 3.18.5-1ubuntu1         |  | amd64 | Utility library          |
| for evolution data servers                                   |                         |  |       |                          |
| ii libebook-1.2-16:amd64                                     | 3.18.5-1ubuntu1         |  | amd64 | Client library for       |
| evolution address books                                      |                         |  |       |                          |
| ii libebook-contacts-1.2-2:amd64                             | 3.18.5-1ubuntu1         |  |       |                          |
| amd64 Client library for evolution contacts books            |                         |  |       |                          |
| ii libecal-1.2-19:amd64                                      | 3.18.5-1ubuntu1         |  | amd64 | Client library for       |
| evolution calendars                                          |                         |  |       |                          |
| ii libeclipse-aether-java                                    | 1.0.2-1                 |  | all   | Library to handle Java   |
| artifact repositories                                        |                         |  |       |                          |
| ii libecryptfs1                                              | 111-0ubuntu1.1          |  | amd64 | ecryptfs cryptographic   |
| filesystem (library)                                         |                         |  |       |                          |
| ii libedata-book-1.2-25:amd64                                | 3.18.5-1ubuntu1         |  | amd64 | Backend library          |
| for evolution address books                                  |                         |  |       |                          |
| ii libedata-cal-1.2-28:amd64                                 | 3.18.5-1ubuntu1         |  | amd64 | Backend library          |
| for evolution calendars                                      |                         |  |       |                          |
| ii libedataserver-1.2-21:amd64                               | 3.18.5-1ubuntu1         |  |       |                          |

|                                 |                                            |       |                                                                   |  |
|---------------------------------|--------------------------------------------|-------|-------------------------------------------------------------------|--|
| amd64                           | Utility library for evolution data servers |       |                                                                   |  |
| ii libedataserverui-1.2-1:amd64 | 3.18.5-1ubuntu1                            | amd64 | Utility library for evolution data servers                        |  |
| ii libedit2:amd64               | 3.1-20150325-1ubuntu2                      | amd64 | BSD editline and history libraries                                |  |
| ii libedit2:i386                | 3.1-20150325-1ubuntu2                      | i386  | BSD editline and history libraries                                |  |
| ii libefivar0:amd64             | 0.23-2                                     | amd64 | Library to manage UEFI variables                                  |  |
| ii libegl1-mesa:amd64           | 11.2.0-1ubuntu2.2                          | amd64 | free implementation of the EGL API -- runtime                     |  |
| ii libegl1-mesa:i386            | 11.2.0-1ubuntu2.2                          | i386  | free implementation of the EGL API -- runtime                     |  |
| ii libelf1:amd64                | 0.165-3ubuntu1                             | amd64 | library to read and write ELF files                               |  |
| ii libelf1:i386                 | 0.165-3ubuntu1                             | i386  | library to read and write ELF files                               |  |
| ii libemail-valid-perl          | 1.198-1                                    | all   | Perl module for checking the validity of Internet email addresses |  |
| ii libenchant1c2a:amd64         | 1.6.0-10.1build2                           | amd64 | Wrapper library for various spell checker engines (runtime libs)  |  |
| ii libenchant1c2a:i386          | 1.6.0-10.1build2                           | i386  | Wrapper library for various spell checker engines (runtime libs)  |  |
| ii libencode-locale-perl        | 1.05-1                                     |       |                                                                   |  |
|                                 | all                                        |       | utility to determine the locale encoding                          |  |
| ii libeot0:amd64                | 0.01-3ubuntu1                              | amd64 | Library for parsing/convertng Embedded OpenType files             |  |
| ii libepoxy0:amd64              | 1.3.1-1                                    | amd64 | OpenGL function pointer management library                        |  |
| ii liberror-perl                | 0.17-1.2                                   | all   | Perl module for error/exception handling in an OO-ish way         |  |
| ii libespeak1:amd64             | 1.48.04+dfsg-2                             | amd64 | Multi-lingual software speech synthesizer: shared library         |  |
| ii libestr0                     | 0.1.10-1                                   | amd64 | Helper functions for handling strings (lib)                       |  |
| ii libetonyek-0.1-1:amd64       | 0.1.6-1ubuntu1                             | amd64 | library for reading and converting Apple Keynote presentations    |  |
| ii libevdev2:amd64              | 1.4.6+dfsg-1                               | amd64 | wrapper library for evdev devices                                 |  |
| ii libevdocument3-4:amd64       | 3.18.2-1ubuntu4                            | amd64 | Document (PostScript, PDF) rendering library                      |  |
| ii libevent-2.0-5:amd64         | 2.0.21-stable-2                            | amd64 | Asynchronous event notification library                           |  |
| ii libevview3-3:amd64           | 3.18.2-1ubuntu4                            | amd64 | Document (PostScript, PDF) rendering library - Gtk+ widgets       |  |
| ii libexempi3:amd64             | 2.2.2-2                                    | amd64 | library to parse XMP metadata (Library)                           |  |

|                                                                                   |                            |                                                                 |                                            |
|-----------------------------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|--------------------------------------------|
| ii libexif12:amd64                                                                | 0.6.21-2                   | amd64                                                           | library to parse EXIF files                |
| ii libexiv2-14:amd64<br>manipulation library                                      | 0.25-2.1                   | amd64                                                           | EXIF/IPTC metadata                         |
| ii libexpat1:amd64<br>library - runtime library                                   | 2.1.0-7ubuntu0.16.04.2     | amd64                                                           | XML parsing C                              |
| ii libexpat1:i386<br>library - runtime library                                    | 2.1.0-7ubuntu0.16.04.2     | i386                                                            | XML parsing C                              |
| ii libexpat1-dev:amd64<br>library - development kit                               | 2.1.0-7ubuntu0.16.04.2     | amd64                                                           | XML parsing C                              |
| ii libexporter-lite-perl<br>Exporter                                              | 0.08-1                     | all                                                             | lightweight subset of                      |
| ii libexporter-tiny-perl<br>0.042-1                                               | all                        | tiny exporter similar to Sub::Exporter                          |                                            |
| ii libexttextcat-2.0-0:amd64<br>detection library                                 | 3.4.4-1ubuntu3             | amd64                                                           | Language                                   |
| ii libexttextcat-data<br>library - data files                                     | 3.4.4-1ubuntu3             | all                                                             | Language detection                         |
| ii libfaad2:amd64<br>Advanced Audio Decoder - runtime files                       | 2.8.0~cvs20150510-1        | amd64                                                           | freeware                                   |
| ii libfakeroot:amd64<br>superuser privileges - shared libraries                   | 1.20.2-1ubuntu1            | amd64                                                           | tool for simulating                        |
| ii libfcgi-perl                                                                   | 0.77-1build1               | amd64                                                           | helper module for FastCGI                  |
| ii libfcitx-config4:amd64<br>amd64                                                | 1:4.2.9.1-1ubuntu1.16.04.2 | Flexible Input Method Framework - configuration support library |                                            |
| ii libfcitx-gclient0:amd64<br>Method Framework - D-Bus client library for Glib    | 1:4.2.9.1-1ubuntu1.16.04.2 | amd64                                                           | Flexible Input                             |
| ii libfcitx-utils0:amd64<br>Method Framework - utility support library            | 1:4.2.9.1-1ubuntu1.16.04.2 | amd64                                                           | Flexible Input                             |
| ii libfdisk1:amd64<br>library                                                     | 2.27.1-6ubuntu3.2          | amd64                                                           | fdisk partitioning                         |
| ii libffi-dev:amd64<br>Interface library (development files)                      | 3.2.1-4                    | amd64                                                           | Foreign Function                           |
| ii libffi6:amd64<br>library runtime                                               | 3.2.1-4                    | amd64                                                           | Foreign Function Interface                 |
| ii libffi6:i386                                                                   | 3.2.1-4                    | i386                                                            | Foreign Function Interface library runtime |
| ii libfftw3-double3:amd64<br>computing Fast Fourier Transforms - Double precision | 3.3.4-2ubuntu1             | amd64                                                           | Library for                                |
| ii libfftw3-single3:amd64<br>computing Fast Fourier Transforms - Single precision | 3.3.4-2ubuntu1             | amd64                                                           | Library for                                |
| ii libfile-basedir-perl<br>freedesktop basedir specification                      | 0.07-1                     | all                                                             | Perl module to use the                     |
| ii libfile-copy-recursive-perl<br>recursively copying files and directories       | 0.38-1                     | all                                                             | Perl extension for                         |
| ii libfile-desktopentry-perl<br>Perl module to handle freedesktop .desktop files  | 0.22-1                     | all                                                             |                                            |
| ii libfile-fcntllock-perl                                                         | 0.22-3                     | amd64                                                           | Perl module for file                       |



|                                     |                                            |       |       |                                                             |
|-------------------------------------|--------------------------------------------|-------|-------|-------------------------------------------------------------|
| locking with fcntl(2)               |                                            |       |       |                                                             |
| ii libfile-homedir-perl             | 1.00-1                                     |       | all   | Perl module for finding user directories across platforms   |
| ii libfile-listing-perl             | 6.04-1                                     |       | all   | module to parse directory listings                          |
| ii libfile-mimeinfo-perl            | 0.27-1                                     |       | all   | Perl module to determine file types                         |
| ii libfile-stripnondeterminism-perl | 0.015-1                                    |       | all   | Perl module for stripping non-determinism from files        |
| ii libfile-which-perl               | 1.19-1                                     |       |       | all Perl module for searching paths for executable programs |
| ii libfl-dev:amd64                  | 2.6.0-11                                   |       | amd64 | static library for flex (a fast lexical analyzer generator) |
| ii libflac8:amd64                   | 1.3.1-4                                    |       | amd64 | Free Lossless Audio Codec - runtime C library               |
| ii libflac8:i386                    | 1.3.1-4                                    |       | i386  | Free Lossless Audio Codec - runtime C library               |
| ii libflite1:amd64                  | 2.0.0-release-1                            |       | amd64 | Small run-time speech synthesis engine - shared libraries   |
| ii libfluidsynth1:amd64             | 1.1.6-3                                    |       | amd64 | Real-time MIDI software synthesizer (runtime library)       |
| ii libfont-afm-perl                 | 1.20-1                                     | all   |       | Font::AFM - Interface to Adobe Font Metrics files           |
| ii libfontconfig1:amd64             | 2.11.94-0ubuntu1.1                         |       | amd64 | generic font configuration library - runtime                |
| ii libfontconfig1:i386              | 2.11.94-0ubuntu1.1                         |       | i386  | generic font configuration library - runtime                |
| ii libfontconfig1-dev:amd64         | 2.11.94-0ubuntu1.1                         |       | amd64 | generic font configuration library - development            |
| ii libfontembed1:amd64              | 1.8.3-2ubuntu3.1                           |       | amd64 | OpenPrinting CUPS Filters - Font Embed Shared library       |
| ii libfontenc1:amd64                | 1:1.1.3-1                                  |       | amd64 | X11 font encoding library                                   |
| ii libframe6:amd64                  | 2.5.0daily13.06.05+16.04.20160809-0ubuntu1 | amd64 |       | Touch Frame Library                                         |
| ii libfreehand-0.1-1:amd64          | 0.1.1-1ubuntu1                             |       | amd64 | Library for parsing the FreeHand file format structure      |
| ii libfreehep-export-java           | 2.1.1-2                                    |       | all   | FreeHEP Export and Save As Library                          |
| ii libfreehep-graphics2d-java       | 2.1.1-4                                    |       | all   | FreeHEP 2D Graphics Library                                 |
| ii libfreehep-graphicsio-emf-java   | 2.1.1-emfplus+dfsg1-2                      |       | all   | FreeHEP Enhanced Metafile Format Driver                     |
| ii libfreehep-graphicsio-java       | 2.1.1-3                                    |       | all   | FreeHEP GraphicsIO Base Library                             |
| ii libfreehep-graphicsio-pdf-java   | 2.1.1+dfsg-1                               |       |       | all FreeHEP Portable Document Format Driver                 |
| ii libfreehep-graphicsio-svg-java   | 2.1.1-3                                    |       | all   | FreeHEP Scalable                                            |

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|------------------------|-----------------------------------|--------------------------------------------|----------------------------------------------------------------------|
| Vector Graphics Driver |                                   |                                            |                                                                      |
| ii                     | libfreehep-graphicsio-tests-java  | 2.1.1+dfsg1-3                              | all FreeHEP GraphicsIO                                               |
| Test Library           |                                   |                                            |                                                                      |
| ii                     | libfreehep-io-java                | 2.0.2-4                                    | all FreeHEP I/O library                                              |
| ii                     | libfreehep-swing-java             | 2.0.3-3                                    | all FreeHEP swing extensions                                         |
| ii                     | libfreehep-util-java              | 2.0.2-5                                    | all FreeHEP utility library                                          |
| ii                     | libfreehep-xml-java               | 2.1.2+dfsg1-3                              | all FreeHEP XML Library                                              |
| ii                     | libfreerdp-cache1.1:amd64         | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 Free Remote Desktop Protocol library (cache library)           |
| ii                     | libfreerdp-client1.1:amd64        | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 Free Remote Desktop Protocol library (client library)          |
| ii                     | libfreerdp-codec1.1:amd64         | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 Free Remote Desktop Protocol library (codec library)           |
| ii                     | libfreerdp-common1.1.0:amd64      | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 Free Remote Desktop Protocol library (common library)          |
| ii                     | libfreerdp-core1.1:amd64          | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 Free Remote Desktop Protocol library (core library)            |
| ii                     | libfreerdp-crypto1.1:amd64        | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 Free Remote Desktop Protocol library (freerdp-crypto library)  |
| ii                     | libfreerdp-gdi1.1:amd64           | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 Free Remote Desktop Protocol library (GDI library)             |
| ii                     | libfreerdp-locale1.1:amd64        | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 Free Remote Desktop Protocol library (locale library)          |
| ii                     | libfreerdp-plugins-standard:amd64 | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 RDP client for Windows Terminal Services (plugins)             |
| ii                     | libfreerdp-primitives1.1:amd64    | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 Free Remote Desktop Protocol library (primitives library)      |
| ii                     | libfreerdp-utils1.1:amd64         | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 Free Remote Desktop Protocol library (freerdp-utils library)   |
| ii                     | libfreetype6:amd64                | 2.6.1-0.1ubuntu2                           | amd64 FreeType 2 font engine, shared library files                   |
| ii                     | libfreetype6:i386                 | 2.6.1-0.1ubuntu2                           | i386 FreeType 2 font engine, shared library files                    |
| ii                     | libfreetype6-dev:amd64            | 2.6.1-0.1ubuntu2                           | amd64 FreeType 2 font engine, development files                      |
| ii                     | libfribidi0:amd64                 | 0.19.7-1                                   | amd64 Free Implementation of the Unicode BiDi algorithm              |
| ii                     | libfuse2:amd64                    | 2.9.4-1ubuntu3.1                           | amd64 Filesystem in Userspace (library)                              |
| ii                     | libfwupd0:amd64                   | 0.5-2ubuntu4                               | amd64 Library to manage UEFI firmware updates                        |
| ii                     | libfwupd1:amd64                   | 0.7.0-0ubuntu4.3                           | amd64 Firmware update daemon library                                 |
| ii                     | libgail-3-0:amd64                 | 3.18.9-1ubuntu3.1                          | amd64 GNOME Accessibility Implementation Library -- shared libraries |
| ii                     | libgail-common:amd64              | 2.24.30-1ubuntu1                           | amd64 GNOME                                                          |

|                                                          |                                |       |                                              |
|----------------------------------------------------------|--------------------------------|-------|----------------------------------------------|
| Accessibility Implementation Library -- common modules   |                                |       |                                              |
| ii libgail18:amd64                                       | 2.24.30-1ubuntu1               | amd64 | GNOME                                        |
| Accessibility Implementation Library -- shared libraries |                                |       |                                              |
| ii libgbm1:amd64                                         | 11.2.0-1ubuntu2.2              | amd64 | generic buffer                               |
| management API -- runtime                                |                                |       |                                              |
| ii libgbm1:i386                                          | 11.2.0-1ubuntu2.2              | i386  | generic buffer                               |
| management API -- runtime                                |                                |       |                                              |
| ii libgc1c2:amd64                                        | 1:7.4.2-7.3                    | amd64 | conservative garbage collector for C and C++ |
| ii libgcab-1.0-0:amd64                                   | 0.7-1                          | amd64 | Microsoft Cabinet file                       |
| manipulation library                                     |                                |       |                                              |
| ii libgcc-4.9-dev:amd64                                  | 4.9.3-13ubuntu2                | amd64 | GCC support                                  |
| library (development files)                              |                                |       |                                              |
| ii libgcc-5-dev:amd64                                    | 5.4.0-6ubuntu1~16.04.4         | amd64 | GCC support                                  |
| library (development files)                              |                                |       |                                              |
| ii libgcc1:amd64                                         | 1:6.0.1-0ubuntu1               | amd64 | GCC support library                          |
| ii libgcc1:i386                                          | 1:6.0.1-0ubuntu1               | i386  | GCC support library                          |
| ii libgck-1-0:amd64                                      | 3.18.0-1ubuntu1                | amd64 | Glib wrapper library for PKCS#11 - runtime   |
| amd64 Glib wrapper library for PKCS#11 - runtime         |                                |       |                                              |
| ii libgconf-2-4:amd64                                    | 3.2.6-3ubuntu6                 | amd64 | GNOME                                        |
| configuration database system (shared libraries)         |                                |       |                                              |
| ii libgcr-3-common                                       | 3.18.0-1ubuntu1                | all   | Library for Crypto UI                        |
| related tasks - common files                             |                                |       |                                              |
| ii libgcr-base-3-1:amd64                                 | 3.18.0-1ubuntu1                | amd64 | Library for Crypto                           |
| related tasks                                            |                                |       |                                              |
| ii libgcr-ui-3-1:amd64                                   | 3.18.0-1ubuntu1                | amd64 | Library for Crypto                           |
| UI related tasks                                         |                                |       |                                              |
| ii libgcrui11-dev                                        | 1.5.4-3+really1.6.5-2ubuntu0.2 | all   | transitional                                 |
| libgcrui11-dev package                                   |                                |       |                                              |
| ii libgcrui20:amd64                                      | 1.6.5-2ubuntu0.2               | amd64 | LGPL Crypto library - runtime library        |
| amd64 LGPL Crypto library - runtime library              |                                |       |                                              |
| ii libgcrui20:i386                                       | 1.6.5-2ubuntu0.2               | i386  | LGPL Crypto library -                        |
| runtime library                                          |                                |       |                                              |
| ii libgcrui20-dev                                        | 1.6.5-2ubuntu0.2               | amd64 | LGPL Crypto library                          |
| - development files                                      |                                |       |                                              |
| ii libgd3:amd64                                          | 2.1.1-4ubuntu0.16.04.5         | amd64 | GD Graphics                                  |
| Library                                                  |                                |       |                                              |
| ii libgd3-common                                         | 0.17.4-1                       | all   | Library for accessing                        |
| GDData webservices - common data files                   |                                |       |                                              |
| ii libgd3:amd64                                          | 0.17.4-1                       | amd64 | Library for accessing                        |
| GDData webservices - shared libraries                    |                                |       |                                              |
| ii libgdbm3:amd64                                        | 1.8.3-13.1                     | amd64 | GNU dbm database routines (runtime version)  |
| GNU dbm database routines (runtime version)              |                                |       |                                              |
| ii libgdiplus                                            | 4.2-1ubuntu1                   | amd64 | interface library for                        |
| System.Drawing of Mono                                   |                                |       |                                              |
| ii libgdk-pixbuf2.0-0:amd64                              | 2.32.2-1ubuntu1.2              | amd64 | GDK Pixbuf                                   |
| library                                                  |                                |       |                                              |
| ii libgdk-pixbuf2.0-0:i386                               | 2.32.2-1ubuntu1.2              | i386  | GDK Pixbuf library                           |

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| ii libgdk-pixbuf2.0-common<br>library - data files                                      | 2.32.2-1ubuntu1.2              | all   | GDK Pixbuf                                              |
| ii libgdk-pixbuf2.0-dev<br>library (development files)                                  | 2.32.2-1ubuntu1.2              | amd64 | GDK Pixbuf                                              |
| ii libgee-0.8-2:amd64<br>collection and utility library                                 | 0.18.0-1                       | amd64 | GObject based                                           |
| ii libgeis1:amd64<br>support                                                            | 2.2.17+16.04.20160126-0ubuntu1 | amd64 | Gesture engine interface                                |
| ii libgeoclue0:amd64                                                                    | 0.12.99-4ubuntu1               | amd64 | C API for GeoClue                                       |
| ii libgeoclue0:i386                                                                     | 0.12.99-4ubuntu1               | i386  | C API for GeoClue                                       |
| ii libgeocode-glib0:amd64<br>reverse geocoding GLib library using Nominatim             | 3.18.2-1                       | amd64 | geocoding and                                           |
| ii libgeoip1:amd64<br>resolver library                                                  | 1.6.9-1                        | amd64 | non-DNS IP-to-country                                   |
| ii libgeonames0:amd64<br>query the geonames database dump                               | 0.2+16.04.20160321-0ubuntu1    | amd64 | Parse and                                               |
| ii libgeronimo-interceptor-3.0-spec-java<br>1.0.1-3fakesync1                            | all                            |       | Geronimo API implementation of the Interceptor 3.0 spec |
| ii libgetopt-tabular-perl<br>parsing for Perl 5                                         | 0.3-2                          | all   | table-driven argument                                   |
| ii libgettextpo-dev:amd64<br>Internationalization library development files             | 0.19.7-2ubuntu3                | amd64 | GNU                                                     |
| ii libgettextpo0:amd64<br>Internationalization library                                  | 0.19.7-2ubuntu3                | amd64 | GNU                                                     |
| ii libgexiv2-2:amd64<br>around the Exiv2 library                                        | 0.10.3-2                       | amd64 | GObject-based wrapper                                   |
| ii libgfortran-5-dev:amd64<br>library for GNU Fortran applications (development files)  | 5.4.0-6ubuntu1~16.04.4         | amd64 | Runtime                                                 |
| ii libgfortran3:amd64<br>applications                                                   | 5.4.0-6ubuntu1~16.04.4         | amd64 | Runtime library for GNU Fortran                         |
| ii libgif7:amd64<br>(library)                                                           | 5.1.4-0.3~16.04                | amd64 | library for GIF images                                  |
| ii libgirepository-1.0-1:amd64<br>handling GObject introspection data (runtime library) | 1.46.0-3ubuntu1                | amd64 | Library for                                             |
| ii libgl1-mesa-dev:amd64<br>implementation of the OpenGL API -- GLX development files   | 11.2.0-1ubuntu2.2              | amd64 | free                                                    |
| ii libgl1-mesa-dri:amd64<br>implementation of the OpenGL API -- DRI modules             | 11.2.0-1ubuntu2.2              | amd64 | free                                                    |
| ii libgl1-mesa-dri:i386<br>of the OpenGL<br>API -- DRI modules                          | 11.2.0-1ubuntu2.2              | i386  | free implementation                                     |
| ii libgl1-mesa-glx:amd64<br>implementation of the OpenGL API -- GLX runtime             | 11.2.0-1ubuntu2.2              | amd64 | free                                                    |
| ii libgl1-mesa-glx:i386<br>of the OpenGL API -- GLX runtime                             | 11.2.0-1ubuntu2.2              | i386  | free implementation                                     |
| ii libglapi-mesa:amd64                                                                  | 11.2.0-1ubuntu2.2              | amd64 | free                                                    |

|                                                               |                        |       |                       |  |
|---------------------------------------------------------------|------------------------|-------|-----------------------|--|
| implementation of the GL API -- shared library                |                        |       |                       |  |
| ii libglapi-mesa:i386                                         | 11.2.0-1ubuntu2.2      | i386  | free implementation   |  |
| of the GL API -- shared library                               |                        |       |                       |  |
| ii libglew1.13:amd64                                          | 1.13.0-2               | amd64 | OpenGL Extension      |  |
| Wrangler - runtime environment                                |                        |       |                       |  |
| ii libglewmx1.13:amd64                                        | 1.13.0-2               |       |                       |  |
| amd64 OpenGL Extension Wrangler (Multiple Rendering Contexts) |                        |       |                       |  |
| ii libglib2.0-0:amd64                                         | 2.48.2-0ubuntu1        | amd64 | GLib library of C     |  |
| routines                                                      |                        |       |                       |  |
| ii libglib2.0-0:i386                                          | 2.48.2-0ubuntu1        | i386  | GLib library of C     |  |
| routines                                                      |                        |       |                       |  |
| ii libglib2.0-bin                                             | 2.48.2-0ubuntu1        | amd64 | Programs for the GLib |  |
| library                                                       |                        |       |                       |  |
| ii libglib2.0-data                                            | 2.48.2-0ubuntu1        | all   | Common files for GLib |  |
| library                                                       |                        |       |                       |  |
| ii libglib2.0-dev                                             | 2.48.2-0ubuntu1        | amd64 | Development files for |  |
| the GLib library                                              |                        |       |                       |  |
| ii libglibmm-2.4-1v5:amd64                                    | 2.46.3-1               | amd64 | C++ wrapper for the   |  |
| GLib toolkit                                                  |                        |       |                       |  |
| (shared libraries)                                            |                        |       |                       |  |
| ii libglu1-mesa:amd64                                         | 9.0.0-2.1              | amd64 | Mesa OpenGL utility   |  |
| library (GLU)                                                 |                        |       |                       |  |
| ii libgme0:amd64                                              | 0.6.0-3ubuntu0.16.04.1 | amd64 | Playback library      |  |
| for video game music files - shared library                   |                        |       |                       |  |
| ii libgmime-2.6-0:amd64                                       | 2.6.20-1               | amd64 | MIME message          |  |
| parser and creator library - runtime                          |                        |       |                       |  |
| ii libgmp-dev:amd64                                           | 2:6.1.0+dfsg-2         | amd64 | Multiprecision        |  |
| arithmetic library developers tools                           |                        |       |                       |  |
| ii libgmp10:amd64                                             | 2:6.1.0+dfsg-2         | amd64 | Multiprecision        |  |
| arithmetic library                                            |                        |       |                       |  |
| ii libgmp10:i386                                              | 2:6.1.0+dfsg-2         | i386  | Multiprecision        |  |
| arithmetic library                                            |                        |       |                       |  |
| ii libgmpxx4ldbl:amd64                                        | 2:6.1.0+dfsg-2         | amd64 | Multiprecision        |  |
| arithmetic library (C++ bindings)                             |                        |       |                       |  |
| ii libgnome-bluetooth13:amd64                                 | 3.18.2-1ubuntu2        | amd64 | GNOME                 |  |
| Bluetooth tools - support library                             |                        |       |                       |  |
| ii libgnome-desktop-3-12:amd64                                | 3.18.2-1ubuntu1        | amd64 | Utility library       |  |
| for loading .desktop files - runtime files                    |                        |       |                       |  |
| ii libgnome-keyring-common                                    | 3.12.0-1build1         | all   | GNOME keyring         |  |
| services library - data files                                 |                        |       |                       |  |
| ii libgnome-keyring0:amd64                                    | 3.12.0-1build1         | amd64 | GNOME keyring         |  |
| services library                                              |                        |       |                       |  |
| ii libgnome-menu-3-0:amd64                                    | 3.13.3-6ubuntu3.1      | amd64 | GNOME                 |  |
| implementation                                                |                        |       |                       |  |
| of the freedesktop menu specification                         |                        |       |                       |  |
| ii libgnomekbd-common                                         | 3.6.0-1ubuntu2         | all   | GNOME library to      |  |
| manage keyboard configuration - common files                  |                        |       |                       |  |
| ii libgnomekbd8:amd64                                         | 3.6.0-1ubuntu2         | amd64 | GNOME library to      |  |

|                                                                        |                               |       |                         |  |
|------------------------------------------------------------------------|-------------------------------|-------|-------------------------|--|
| manage keyboard configuration - shared library                         |                               |       |                         |  |
| ii libgnutls-openssl27:amd64                                           | 3.4.10-4ubuntu1.2             | amd64 | GNU TLS                 |  |
| library - OpenSSL wrapper                                              |                               |       |                         |  |
| ii libgnutls30:amd64                                                   | 3.4.10-4ubuntu1.2             | amd64 | GNU TLS library -       |  |
| main runtime library                                                   |                               |       |                         |  |
| ii libgnutls30:i386                                                    | 3.4.10-4ubuntu1.2             | i386  | GNU TLS library -       |  |
| main runtime library                                                   |                               |       |                         |  |
| ii libgoa-1.0-0b:amd64                                                 | 3.18.3-1ubuntu2               |       |                         |  |
| amd64 library for GNOME Online Accounts                                |                               |       |                         |  |
| ii libgoa-1.0-common                                                   | 3.18.3-1ubuntu2               | all   | library for GNOME       |  |
| Online Accounts - common files                                         |                               |       |                         |  |
| ii libgom-1.0-0:amd64                                                  | 0.3.1-1                       | amd64 | Object mapper from      |  |
| GObjects to SQLite                                                     |                               |       |                         |  |
| ii libgom-1.0-common                                                   | 0.3.1-1                       | all   | libgom architecture-    |  |
| independent files                                                      |                               |       |                         |  |
| ii libgomp1:amd64                                                      | 5.4.0-6ubuntu1~16.04.4        | amd64 | GCC OpenMP              |  |
| (GOMP) support library                                                 |                               |       |                         |  |
| ii libgpg-error-dev                                                    | 1.21-2ubuntu1                 | amd64 | library for common      |  |
| error values and messages in GnuPG components (development)            |                               |       |                         |  |
| ii libgpg-error0:amd64                                                 | 1.21-2ubuntu1                 |       |                         |  |
| amd64 library for common error values and messages in GnuPG components |                               |       |                         |  |
| ii libgpg-error0:i386                                                  | 1.21-2ubuntu1                 | i386  | library for common      |  |
| error values and messages in GnuPG components                          |                               |       |                         |  |
| ii libgpgme11:amd64                                                    | 1.6.0-1                       | amd64 | GPGME - GnuPG           |  |
| Made Easy (library)                                                    |                               |       |                         |  |
| ii libgphoto2-6:amd64                                                  | 2.5.9-3                       | amd64 | gphoto2 digital camera  |  |
| library                                                                |                               |       |                         |  |
| ii libgphoto2-110n                                                     | 2.5.9-3                       | all   | gphoto2 digital camera  |  |
| library - localized messages                                           |                               |       |                         |  |
| ii libgphoto2-port12:amd64                                             | 2.5.9-3                       | amd64 | gphoto2 digital         |  |
| camera port library                                                    |                               |       |                         |  |
| ii libgpm2:amd64                                                       | 1.20.4-6.1                    |       |                         |  |
| amd64 General Purpose Mouse - shared library                           |                               |       |                         |  |
| ii libgpm2:i386                                                        | 1.20.4-6.1                    | i386  | General Purpose Mouse - |  |
| shared library                                                         |                               |       |                         |  |
| ii libgpod-common                                                      | 0.8.3-6ubuntu2                | amd64 | common files for        |  |
| libgpod                                                                |                               |       |                         |  |
| ii libgpod4:amd64                                                      | 0.8.3-6ubuntu2                | amd64 | library to read and     |  |
| write songs and artwork to an iPod                                     |                               |       |                         |  |
| ii libgrail6                                                           | 3.1.0+16.04.20160125-0ubuntu1 | amd64 | Gesture                 |  |
| Recognition And Instantiation Library                                  |                               |       |                         |  |
| ii libgraphite2-3:amd64                                                | 1.3.6-1ubuntu1                | amd64 | Font rendering          |  |
| engine for Complex Scripts -- library                                  |                               |       |                         |  |
| ii libgraphite2-3:i386                                                 | 1.3.6-1ubuntu1                |       |                         |  |
| i386 Font rendering engine for Complex Scripts -- library              |                               |       |                         |  |
| ii libgrilo-0.2-1:amd64                                                | 0.2.15-1                      | amd64 | Framework for           |  |
| discovering and browsing media - Shared libraries                      |                               |       |                         |  |
| ii libgs9:amd64                                                        | 9.18~dfsg~0-0ubuntu2.3        | amd64 | interpreter for the     |  |

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|----------------------------------------------------------------|-------------------------------|--|-------|---------------------------------|
| PostScript language and for PDF - Library                      |                               |  |       |                                 |
| ii libgs9-common                                               | 9.18~dfsg~0-0ubuntu2.3        |  | all   | interpreter for the             |
| PostScript language and for PDF - common files                 |                               |  |       |                                 |
| ii libgsettings-qt1:amd64                                      | 0.1+16.04.20160329-0ubuntu1   |  | amd64 | Library to                      |
| access GSettings from Qt                                       |                               |  |       |                                 |
| ii libgsl2:amd64                                               | 2.1+dfsg-2                    |  | amd64 | GNU Scientific Library          |
| (GSL) -- library package                                       |                               |  |       |                                 |
| ii libgsm1:amd64                                               | 1.0.13-4                      |  | amd64 | Shared libraries for GSM speech |
| compressor                                                     |                               |  |       |                                 |
| ii libgssapi-krb5-2:amd64                                      | 1.13.2+dfsg-5ubuntu1          |  | amd64 | MIT Kerberos                    |
| runtime libraries - krb5 GSS-API Mechanism                     |                               |  |       |                                 |
| ii libgssapi-krb5-2:i386                                       | 1.13.2+dfsg-5ubuntu1          |  | i386  | MIT Kerberos                    |
| runtime libraries - krb5 GSS-API Mechanism                     |                               |  |       |                                 |
| ii libgssapi3-heimdal:amd64                                    | 1.7~git20150920+dfsg-4ubuntu1 |  | amd64 | Heimdal                         |
| Kerberos - GSSAPI support library                              |                               |  |       |                                 |
| ii libgstreamer-plugins-bad1.0-0:amd64                         | 1.8.2-1ubuntu0.2              |  | amd64 | GStreamer                       |
| development files for libraries from the "bad" set             |                               |  |       |                                 |
| ii libgstreamer-plugins-base1.0-0:amd64                        | 1.8.2-1ubuntu0.2              |  | amd64 | GStreamer                       |
| libraries                                                      |                               |  |       |                                 |
| from the "base" set                                            |                               |  |       |                                 |
| ii libgstreamer-plugins-base1.0-0:i386                         | 1.8.2-1ubuntu0.2              |  | i386  | GStreamer                       |
| libraries from the "base" set                                  |                               |  |       |                                 |
| ii libgstreamer-plugins-good1.0-0:amd64                        | 1.8.2-1ubuntu0.3              |  | amd64 | GStreamer                       |
| development files for libraries from the "good" set            |                               |  |       |                                 |
| ii libgstreamer-plugins-good1.0-0:i386                         | 1.8.2-1ubuntu0.3              |  | i386  | GStreamer                       |
| development files for libraries from the "good" set            |                               |  |       |                                 |
| ii libgstreamer1.0-0:amd64                                     | 1.8.2-1~ubuntu1               |  | amd64 | Core GStreamer                  |
| libraries and elements                                         |                               |  |       |                                 |
| ii libgstreamer1.0-0:i386                                      | 1.8.2-1~ubuntu1               |  | i386  | Core GStreamer                  |
| libraries and elements                                         |                               |  |       |                                 |
| ii libgtk-3-0:amd64                                            | 3.18.9-1ubuntu3.1             |  | amd64 |                                 |
| GTK+ graphical user interface library                          |                               |  |       |                                 |
| ii libgtk-3-bin                                                | 3.18.9-1ubuntu3.1             |  | amd64 | programs for the GTK+           |
| graphical user interface library                               |                               |  |       |                                 |
| ii libgtk-3-common                                             | 3.18.9-1ubuntu3.1             |  | all   | common files for the            |
| GTK+ graphical user interface library                          |                               |  |       |                                 |
| ii libgtk2.0-0:amd64                                           | 2.24.30-1ubuntu1              |  | amd64 | GTK+ graphical                  |
| user interface library                                         |                               |  |       |                                 |
| ii libgtk2.0-0:i386                                            | 2.24.30-1ubuntu1              |  | i386  | GTK+ graphical user             |
| interface library                                              |                               |  |       |                                 |
| ii libgtk2.0-bin                                               | 2.24.30-1ubuntu1              |  | amd64 | programs for the                |
| GTK+ graphical user interface library                          |                               |  |       |                                 |
| ii libgtk2.0-common                                            | 2.24.30-1ubuntu1              |  |       |                                 |
| all common files for the GTK+ graphical user interface library |                               |  |       |                                 |
| ii libgtk2.0-dev                                               | 2.24.30-1ubuntu1              |  | amd64 | development files for           |
| the GTK+ library                                               |                               |  |       |                                 |
| ii libgtkglex1:amd64                                           | 1.2.0-3.2fakesync1ubuntu1     |  | amd64 | OpenGL                          |

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|-----------------------------------------------|------------------------------------|-------|------------------------------------------------------------|
| Extension to GTK+ (shared libraries)          |                                    |       |                                                            |
| ii libgtkmm-3.0-1v5:amd64                     | 3.18.0-1                           | amd64 | C++ wrappers for                                           |
| GTK+ (shared libraries)                       |                                    |       |                                                            |
| ii libgtksourceview-3.0-1:amd64               | 3.18.2-1                           | amd64 | shared libraries for                                       |
| the GTK+ syntax highlighting widget           |                                    |       |                                                            |
| ii libgtksourceview-3.0-common                | 3.18.2-1                           | all   | common files for the                                       |
| GTK+ syntax highlighting widget               |                                    |       |                                                            |
| ii libgtksPELL3-3-0:amd64                     | 3.0.7-2                            |       |                                                            |
| amd64                                         |                                    |       | spell-checking addon for GTK+'s TextView widget            |
| ii libgtop-2.0-10:amd64                       | 2.32.0-1                           | amd64 | gtop system                                                |
| monitoring library (shared)                   |                                    |       |                                                            |
| ii libgtop2-common                            | 2.32.0-1                           | all   | gtop system monitoring                                     |
| library (common)                              |                                    |       |                                                            |
| ii libguava-java                              | 19.0-1                             | all   | Suite of Google common                                     |
| libraries for Java                            |                                    |       |                                                            |
| ii libgucharmap-2-90-7:amd64                  | 1:3.18.2-1ubuntu1                  | amd64 | Unicode                                                    |
| browser widget library (shared library)       |                                    |       |                                                            |
| ii libgudev-1.0-0:amd64                       | 1:230-2                            | amd64 | GObject-based                                              |
| wrapper library for libudev                   |                                    |       |                                                            |
| ii libgudev-1.0-0:i386                        | 1:230-2                            |       |                                                            |
| i386                                          |                                    |       | GObject-based wrapper library for libudev                  |
| ii libguice-java                              | 4.0-2                              | all   | lightweight dependency                                     |
| injection framework for Java 5 and above      |                                    |       |                                                            |
| ii libgusb2:amd64                             | 0.2.9-0ubuntu1                     | amd64 | GLib wrapper around                                        |
| libusb1                                       |                                    |       |                                                            |
| ii libgutenprint2                             | 5.2.11-1                           | amd64 | runtime for the Gutenprint                                 |
| printer driver library                        |                                    |       |                                                            |
| ii libgvc6                                    | 2.38.0-12ubuntu2.1                 | amd64 | rich set of graph                                          |
| drawing tools - gvc library                   |                                    |       |                                                            |
| ii libgvpr2                                   | 2.38.0-12ubuntu2.1                 | amd64 | rich set of graph                                          |
| drawing tools - gvpr library                  |                                    |       |                                                            |
| ii libgweather-3-6:amd64                      |                                    |       |                                                            |
| 3.18.2-0ubuntu0.1                             | amd64                              |       | GWeather shared library                                    |
| ii libgweather-common                         | 3.18.2-0ubuntu0.1                  | all   | GWeather common                                            |
| files                                         |                                    |       |                                                            |
| ii libgxps2:amd64                             | 0.2.3.2-1                          | amd64 | handling and rendering                                     |
| XPS documents (library)                       |                                    |       |                                                            |
| ii libhamcrest-java                           | 1.3-5ubuntu1                       | all   | library of matchers for                                    |
| building test expressions                     |                                    |       |                                                            |
| ii libhardware2                               | 0.1.0+git20151016+6d424c9-0ubuntu7 | amd64 | Library to                                                 |
| provide access to the Android libhardware HAL |                                    |       |                                                            |
| ii libharfbuzz-dev                            | 1.0.1-1ubuntu0.1                   | amd64 | Development files for                                      |
| OpenType text shaping engine                  |                                    |       |                                                            |
| ii libharfbuzz-gobject0:amd64                 | 1.0.1-1ubuntu0.1                   |       |                                                            |
| amd64                                         |                                    |       | OpenType text shaping engine ICU backend (GObject library) |
| ii libharfbuzz-icu0:amd64                     | 1.0.1-1ubuntu0.1                   | amd64 | OpenType text                                              |
| shaping engine ICU backend                    |                                    |       |                                                            |
| ii libharfbuzz-icu0:i386                      | 1.0.1-1ubuntu0.1                   | i386  | OpenType text                                              |



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|----------------------------------------------------|-------------------------------|-------|-------|---------------------------------------------|
| shaping engine ICU backend                         |                               |       |       |                                             |
| ii libharfbuzz0b:amd64                             | 1.0.1-1ubuntu0.1              |       | amd64 | OpenType text                               |
| shaping engine (shared library)                    |                               |       |       |                                             |
| ii libharfbuzz0b:i386                              | 1.0.1-1ubuntu0.1              |       | i386  | OpenType text                               |
| shaping engine (shared library)                    |                               |       |       |                                             |
| ii libcrypto4-heimdal:amd64                        | 1.7~git20150920+dfsg-4ubuntu1 |       | amd64 | Heimdal                                     |
| Kerberos - crypto library                          |                               |       |       |                                             |
| ii libheimbase1-heimdal:amd64                      | 1.7~git20150920+dfsg-4ubuntu1 | amd64 |       | Heimdal Kerberos - Base library             |
| ii libheimntlm0-heimdal:amd64                      | 1.7~git20150920+dfsg-4ubuntu1 |       | amd64 |                                             |
| Heimdal Kerberos - NTLM support library            |                               |       |       |                                             |
| ii libhighgui-dev:amd64                            | 2.4.9.1+dfsg-1.5ubuntu1       |       | amd64 | Translation                                 |
| package for libhighgui-dev                         |                               |       |       |                                             |
| ii libhogweed4:amd64                               | 3.2-1ubuntu0.16.04.1          |       | amd64 | low level                                   |
| cryptographic library (public-key cryptos)         |                               |       |       |                                             |
| ii libhogweed4:i386                                | 3.2-1ubuntu0.16.04.1          |       | i386  | low level                                   |
| cryptographic library (public-key cryptos)         |                               |       |       |                                             |
| ii libhpmud0:amd64                                 | 3.16.3+repack0-1              |       | amd64 | HP Multi-Point                              |
| Transport Driver (hpmud) run-time libraries        |                               |       |       |                                             |
| ii libhtml-form-perl                               | 6.03-1                        | all   |       | module that represents an HTML form element |
| ii libhtml-format-perl                             | 2.11-2                        |       | all   | module for transforming                     |
| HTML into various formats                          |                               |       |       |                                             |
| ii libhtml-parser-perl                             | 3.72-1                        |       | amd64 | collection of modules that                  |
| parse HTML text documents                          |                               |       |       |                                             |
| ii libhtml-tagset-perl                             | 3.20-2                        |       | all   | Data tables pertaining to                   |
| HTML                                               |                               |       |       |                                             |
| ii libhtml-tree-perl                               | 5.03-2                        |       | all   | Perl module to represent and                |
| create HTML syntax trees                           |                               |       |       |                                             |
| ii libhttp-cookies-perl                            | 6.01-1                        |       | all   | HTTP cookie jars                            |
| ii libhttp-daemon-perl                             | 6.01-1                        | all   |       | simple http server class                    |
| ii libhttp-date-perl                               | 6.02-1                        |       | all   | module of date conversion                   |
| routines                                           |                               |       |       |                                             |
| ii libhttp-message-perl                            | 6.11-1                        |       | all   | perl interface to HTTP style                |
| messages                                           |                               |       |       |                                             |
| ii libhttp-negotiate-perl                          | 6.00-2                        |       | all   | implementation of content                   |
| negotiation                                        |                               |       |       |                                             |
| ii libhttpclient-java                              | 4.5.1-1                       |       | all   | HTTP/1.1 compliant HTTP                     |
| agent implementation                               |                               |       |       |                                             |
| ii libhttpcore-java                                | 4.4.4-1                       |       | all   | set of low level HTTP                       |
| transport components for Java                      |                               |       |       |                                             |
| ii libhud2:amd64                                   | 14.10+16.04.20160415-0ubuntu1 |       |       |                                             |
| amd64 library for exporting items to the Unity HUD |                               |       |       |                                             |
| ii libhunspell-1.3-0:amd64                         | 1.3.3-4ubuntu1                |       | amd64 | spell checker and                           |
| morphological analyzer (shared library)            |                               |       |       |                                             |
| ii libhunspell-1.3-0:i386                          | 1.3.3-4ubuntu1                |       | i386  | spell checker and                           |
| morphological analyzer (shared library)            |                               |       |       |                                             |

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| ii libhx509-5-heimdal:amd64<br>Kerberos - X509 support library                           | 1.7~git20150920+dfsg-4ubuntu1      | amd64 | Heimdal                               |
| ii libhybris<br>bionic-based HW adaptations in glibc systems - libs                      | 0.1.0+git20151016+6d424c9-0ubuntu7 | amd64 | Allows to run                         |
| ii libhybris-common1<br>Common library that contains the Android linker and custom hooks | 0.1.0+git20151016+6d424c9-0ubuntu7 | amd64 |                                       |
| ii libhyphen0:amd64<br>library                                                           | 2.8.8-2ubuntu1                     | amd64 | ALTLinux hyphenation library - shared |
| ii libibus-1.0-5:amd64<br>Bus - shared library                                           | 1.5.11-1ubuntu2                    | amd64 | Intelligent Input                     |
| ii libical1a:amd64<br>implementation in C (runtime)                                      | 1.0.1-0ubuntu2                     | amd64 | iCalendar library                     |
| ii libice-dev:amd64<br>Exchange library (development headers)                            | 2:1.0.9-1                          | amd64 | X11 Inter-Client                      |
| ii libice6:amd64<br>Exchange library                                                     | 2:1.0.9-1                          | amd64 | X11 Inter-Client                      |
| ii libice6:i386<br>library                                                               | 2:1.0.9-1                          | i386  | X11 Inter-Client Exchange             |
| ii libicu-dev:amd64<br>Components for Unicode                                            | 55.1-7                             | amd64 | Development files for International   |
| ii libicu55:amd64<br>for Unicode                                                         | 55.1-7                             | amd64 | International Components              |
| ii libicu55:i386<br>Unicode                                                              | 55.1-7                             | i386  | International Components for          |
| ii libidn11:amd64<br>implementation of IETF IDN specifications                           | 1.32-3ubuntu1.1                    | amd64 | GNU Libidn library,                   |
| ii libidn11:i386<br>implementation of IETF IDN specifications                            | 1.32-3ubuntu1.1                    | i386  | GNU Libidn library,                   |
| ii libido3-0.1-0:amd64<br>library providing extra<br>gtk menu items for display in       | 13.10.0+16.04.20161028-0ubuntu1    | amd64 | Shared                                |
| ii libiec61883-0:amd64<br>implementation of IEC 61883                                    | 1.2.0-0.2                          | amd64 | an partial                            |
| ii libiec61883-0:i386<br>of IEC 61883                                                    | 1.2.0-0.2                          | i386  | an partial implementation             |
| ii libieee1284-3:amd64<br>for parallel port access                                       | 0.2.11-12                          | amd64 | cross-platform library                |
| ii libijs-0.35:amd64<br>protocol: shared library                                         | 0.35-12                            | amd64 | IJS raster image transport            |
| ii libilmbase-dev<br>ILMBase                                                             | 2.2.0-11ubuntu2                    | amd64 | development files for                 |
| ii libilmbase12:amd64<br>libraries<br>from ILM used by OpenEXR                           | 2.2.0-11ubuntu2                    | amd64 | several utility                       |
| ii libimobiledevice6:amd64<br>communicating with the iPhone and iPod Touch               | 1.2.0+dfsg-3~ubuntu0.2             | amd64 | Library for                           |

|                                                                                |                                          |       |                                |
|--------------------------------------------------------------------------------|------------------------------------------|-------|--------------------------------|
| ii libindicator3-7<br>indicator applet - shared library                        | 12.10.2+16.04.20151208-0ubuntu1          | amd64 | panel                          |
| ii libindicator7<br>applet - shared library                                    | 12.10.2+16.04.20151208-0ubuntu1          | amd64 | panel indicator                |
| ii libinput10:amd64<br>management and event handling library - shared library  | 1.2.3-1ubuntu1                           | amd64 | input device                   |
| ii libio-html-perl<br>automatic charset detection                              | 1.001-1                                  | all   | open an HTML file with         |
| ii libio-pty-perl<br>amd64 Perl module for pseudo tty IO                       | 1:1.08-1.1build1                         |       |                                |
| ii libio-socket-inet6-perl<br>AF_INET6 domain sockets                          | 2.72-2                                   | all   | object interface for           |
| ii libio-socket-ssl-perl<br>object oriented interface to SSL sockets           | 2.024-1                                  | all   | Perl module implementing       |
| ii libio-string-perl<br>in-core strings                                        | 1.08-3                                   | all   | Emulate IO::File interface for |
| ii libipc-run-perl<br>processes                                                | 0.94-1                                   | all   | Perl module for running        |
| ii libipc-system-simple-perl<br>commands simply, with detailed diagnostics     | 1.25-3                                   | all   | Perl module to run             |
| ii libisc-export160<br>amd64 Exported ISC Shared Library                       | 1:9.10.3.dfsg.P4-8ubuntu1.4              |       |                                |
| ii libisc160:amd64<br>Library used by BIND                                     | 1:9.10.3.dfsg.P4-8ubuntu1.4              | amd64 | ISC Shared                     |
| ii libisccc140:amd64<br>Channel Library used by BIND                           | 1:9.10.3.dfsg.P4-8ubuntu1.4              | amd64 | Command                        |
| ii libisccfg140:amd64<br>Handling Library used by BIND                         | 1:9.10.3.dfsg.P4-8ubuntu1.4              | amd64 | Config File                    |
| ii libisl15:amd64<br>relations of integer points bounded by linear constraints | 0.16.1-1                                 | amd64 | manipulating sets and          |
| ii libitm1:amd64<br>Transactional Memory Library                               | 5.4.0-6ubuntu1~16.04.4                   | amd64 | GNU                            |
| ii libiw30:amd64<br>amd64 Wireless tools - library                             | 30~pre9-8ubuntu1                         |       |                                |
| ii libjack-jackd2-0:amd64<br>JACK Audio Connection Kit (libraries)             | 1.9.10+20150825git1ed50c92~dfsg-1ubuntu1 | amd64 |                                |
| ii libjack-jackd2-0:i386<br>Audio Connection Kit (libraries)                   | 1.9.10+20150825git1ed50c92~dfsg-1ubuntu1 | i386  | JACK                           |
| ii libjas-java<br>Algebra System                                               | 2.5.4408-1                               | all   | Java object-oriented type-safe |
| ii libjas-plotter-java<br>library                                              | 2.2.6+dfsg1-2                            | all   | JAS(2) Plotter graphic         |
| ii libjasper-dev<br>for the Jasper JPEG-2000 library                           | 1.900.1-debian1-2.4ubuntu1               | amd64 | Development files              |
| ii libjasper1:amd64<br>Jasper JPEG-2000 runtime library                        | 1.900.1-debian1-2.4ubuntu1               | amd64 |                                |
| ii libjavascriptcoregtk-1.0-0:i386<br>library from WebKitGTK+                  | 2.4.11-0ubuntu0.1                        | i386  | JavaScript engine              |

|                                                                            |                         |       |                                            |
|----------------------------------------------------------------------------|-------------------------|-------|--------------------------------------------|
| ii libjavascriptcoregtk-4.0-18:amd64<br>engine library from WebKitGTK+     | 2.14.3-0ubuntu0.16.04.1 | amd64 | JavaScript                                 |
| ii libjavascriptcoregtk-4.0-18:i386<br>engine library from WebKitGTK+      | 2.14.3-0ubuntu0.16.04.1 | i386  | JavaScript                                 |
| ii libjaxen-java                                                           | 1.1.6-1ubuntu1          | all   | Java XPath engine                          |
| ii libjasp1.3-java<br>transformer APIs (DOM, SAX, JAXP, TrAX)              | 1.3.05-2ubuntu3         | all   | Java XML parser and                        |
| ii libjbig-dev:amd64<br>files                                              | 2.1-3.1                 | amd64 | JBIGkit development                        |
| ii<br>libjbig0:amd64                                                       | 2.1-3.1                 | amd64 | JBIGkit libraries                          |
| ii libjbig0:i386                                                           | 2.1-3.1                 | i386  | JBIGkit libraries                          |
| ii libjbig2dec0<br>- shared libraries                                      | 0.12+20150918-1         | amd64 | JBIG2 decoder library                      |
| ii libjcommon-java<br>Java                                                 | 1.0.16-5                | all   | General Purpose library for                |
| ii libjdom1-java<br>using XML                                              | 1.1.3-1                 | all   | lightweight and fast library               |
| ii libjetty-java<br>webserver -- core libraries                            | 6.1.26-5                | all   | Java servlet engine and                    |
| ii libjfreechart-java<br>1.0.13-8                                          | all                     |       | Chart library for Java                     |
| ii libjfugue-java<br>programming                                           | 4.0.3-3                 | all   | Java API for music                         |
| ii libjlatexmath-java<br>math mode wrote in Java                           | 1.0.3-1                 | all   | Implementation of LaTeX                    |
| ii libjpeg-dev:amd64<br>Group's JPEG runtime library (dependency package)  | 8c-2ubuntu8             | amd64 | Independent JPEG                           |
| ii libjpeg-turbo8:amd64<br>compliant runtime library.                      | 1.4.2-0ubuntu3          | amd64 | IJG JPEG                                   |
| ii libjpeg-turbo8:i386<br>runtime library.                                 | 1.4.2-0ubuntu3          | i386  | IJG JPEG compliant                         |
| ii libjpeg-turbo8-dev:amd64<br>amd64                                       | 1.4.2-0ubuntu3          |       | Development files for the IJG JPEG library |
| ii libjpeg62:i386<br>JPEG runtime library (version 6.2)                    | 1:6b2-2                 | i386  | Independent JPEG Group's                   |
| ii libjpeg8:amd64<br>Group's JPEG runtime library (dependency package)     | 8c-2ubuntu8             | amd64 | Independent JPEG                           |
| ii libjpeg8:i386<br>Group's JPEG runtime library (dependency package)      | 8c-2ubuntu8             | i386  | Independent JPEG                           |
| ii libjpeg8-dev:amd64<br>Group's JPEG runtime library (dependency package) | 8c-2ubuntu8             | amd64 | Independent JPEG                           |
| ii libjs-inherits<br>environment                                           | 2.0.1-3                 | all   | Exposes inherits function from             |
| ii libjs-jquery<br>dynamic web applications                                | 1.11.3+dfsg-4           | all   | JavaScript library for                     |
| ii libjs-modernizr                                                         | 2.6.2+ds1-1ubuntu1      | all   | JavaScript library to                      |

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|------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------|-------|------------------------------------------|
| detect HTML5 and CSS3 features in the user's browser |                                                                                |                               |       |                                          |
| ii                                                   | libjs-node-uuid<br>RFC4122 UUIDs - JavaScript library                          | 1.4.0-1                       | all   | simple, fast generation of               |
| ii                                                   | libjs-sphinxdoc<br>Sphinx documentation                                        | 1.3.6-2ubuntu1                | all   | JavaScript support for                   |
| ii                                                   | libjs-underscore<br>programming helper library                                 | 1.7.0~dfsg-1ubuntu1           | all   | JavaScript's functional                  |
| ii                                                   | libjsch-java<br>all Java implementation of the SSH2 protocol                   | 0.1.53-1ubuntu1               |       |                                          |
| ii                                                   | libjson-c2:amd64<br>library - shared library                                   | 0.11-4ubuntu2                 | amd64 | JSON manipulation                        |
| ii                                                   | libjson-c2:i386<br>library - shared library                                    | 0.11-4ubuntu2                 | i386  | JSON manipulation                        |
| ii                                                   | libjson-glib-1.0-0:amd64<br>manipulation library                               | 1.1.2-0ubuntu1                | amd64 | GLib JSON                                |
| ii                                                   | libjson-glib-1.0-common<br>manipulation library (common files)                 | 1.1.2-0ubuntu1                | all   | GLib JSON                                |
| ii                                                   | libjsoncpp1:amd64<br>writing JSON for C++                                      | 1.7.2-1                       | amd64 | library for reading and                  |
| ii                                                   | libjsoup-java<br>all Java HTML parser that makes sense of real-world HTML soup | 1.8.3-1                       |       |                                          |
| ii                                                   | libjsr305-java<br>annotations for software defect detection                    | 0.1~+svn49-9                  | all   | Java library that provides               |
| ii                                                   | libk5crypto3:amd64<br>runtime libraries - Crypto Library                       | 1.13.2+dfsg-5ubuntu1          | amd64 | MIT Kerberos                             |
| ii                                                   | libk5crypto3:i386<br>runtime libraries - Crypto Library                        | 1.13.2+dfsg-5ubuntu1          | i386  | MIT Kerberos                             |
| ii                                                   | libkate1:amd64<br>text encapsulation                                           | 0.4.1-7                       | amd64 | Codec for karaoke and                    |
| ii                                                   | libkeyutils1:amd64<br>Management Utilities (library)                           | 1.5.9-8ubuntu1                | amd64 | Linux Key                                |
| ii                                                   | libkeyutils1:i386<br>1.5.9-8ubuntu1                                            | i386                          |       | Linux Key Management Utilities (library) |
| ii                                                   | libklibc<br>use with initramfs                                                 | 2.0.4-8ubuntu1.16.04.2        | amd64 | minimal libc subset for                  |
| ii                                                   | libkmod2:amd64<br>library                                                      | 22-1ubuntu4                   | amd64 | libkmod shared                           |
| ii                                                   | libkpathsea6:amd64<br>search library for TeX (runtime part)                    | 2015.20160222.37495-1         | amd64 | TeX Live: path                           |
| ii                                                   | libkrb5-26-heimdal:amd64<br>Kerberos - libraries                               | 1.7~git20150920+dfsg-4ubuntu1 | amd64 | Heimdal                                  |
| ii                                                   | libkrb5-3:amd64<br>runtime libraries                                           | 1.13.2+dfsg-5ubuntu1          | amd64 | MIT Kerberos                             |
| ii                                                   | libkrb5-3:i386<br>i386 MIT Kerberos runtime libraries                          | 1.13.2+dfsg-5ubuntu1          |       |                                          |
| ii                                                   | libkrb5support0:amd64<br>runtime libraries - Support library                   | 1.13.2+dfsg-5ubuntu1          | amd64 | MIT Kerberos                             |
| ii                                                   | libkrb5support0:i386                                                           | 1.13.2+dfsg-5ubuntu1          | i386  | MIT Kerberos                             |

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| runtime libraries - Support library               |                                                              |       |                                    |  |
| ii libksba8:amd64                                 | 1.3.3-1ubuntu0.16.04.1                                       | amd64 | X.509 and CMS                      |  |
| support library                                   |                                                              |       |                                    |  |
| ii liblangtag-common                              | 0.5.7-2ubuntu1                                               | all   | library to access tags             |  |
| for identifying languages -- data                 |                                                              |       |                                    |  |
| ii liblangtag1:amd64                              | 0.5.7-2ubuntu1                                               | amd64 | library to access tags             |  |
| for identifying languages                         |                                                              |       |                                    |  |
| ii liblapack-dev                                  | 3.6.0-2ubuntu2                                               |       |                                    |  |
| amd64                                             | Library of linear algebra routines 3 - static version        |       |                                    |  |
| ii liblapack3                                     | 3.6.0-2ubuntu2                                               | amd64 | Library of linear algebra          |  |
| routines 3 - shared version                       |                                                              |       |                                    |  |
| ii liblcms2-2:amd64                               | 2.6-3ubuntu2                                                 | amd64 | Little CMS 2 color                 |  |
| management library                                |                                                              |       |                                    |  |
| ii liblcms2-2:i386                                | 2.6-3ubuntu2                                                 | i386  | Little CMS 2 color                 |  |
| management library                                |                                                              |       |                                    |  |
| ii liblcms2-utils                                 | 2.6-3ubuntu2                                                 | amd64 | Little CMS 2 color                 |  |
| management library (utilities)                    |                                                              |       |                                    |  |
| ii libldap-2.4-2:amd64                            | 2.4.42+dfsg-2ubuntu3.1                                       | amd64 | OpenLDAP                           |  |
| libraries                                         |                                                              |       |                                    |  |
| ii libldb1:amd64                                  | 2:1.1.24-1ubuntu3                                            |       |                                    |  |
| amd64                                             | LDAP-like embedded database - shared library                 |       |                                    |  |
| ii liblightdm-gobject-1-0:amd64                   | 1.18.3-0ubuntu1                                              | amd64 | LightDM                            |  |
| GObject client library                            |                                                              |       |                                    |  |
| ii liblircclient0:amd64                           | 0.9.0-0ubuntu6                                               | amd64 | infra-red remote                   |  |
| control support - client library                  |                                                              |       |                                    |  |
| ii liblist-moreutils-perl                         | 0.413-1build1                                                | amd64 | Perl module with                   |  |
| additional list functions not found in List::Util |                                                              |       |                                    |  |
| ii liblldb-3.8                                    | 1:3.8-2ubuntu4                                               | amd64 | Next generation, high-             |  |
| performance debugger, library                     |                                                              |       |                                    |  |
| ii libllvm3.8:amd64                               | 1:3.8-2ubuntu4                                               | amd64 | Modular compiler                   |  |
| and toolchain technologies, runtime library       |                                                              |       |                                    |  |
| ii libllvm3.8:i386                                | 1:3.8-2ubuntu4                                               |       |                                    |  |
| i386                                              | Modular compiler and toolchain technologies, runtime library |       |                                    |  |
| ii liblocale-gettext-perl                         | 1.07-1build1                                                 | amd64 | module using libc                  |  |
| functions for internationalization in Perl        |                                                              |       |                                    |  |
| ii liblog4j1.2-java                               | 1.2.17-7ubuntu1                                              | all   | Logging library for java           |  |
| ii liblouis-data                                  | 2.6.4-2                                                      | all   | Braille translation library - data |  |
| ii liblouis9:amd64                                | 2.6.4-2                                                      | amd64 | Braille translation library        |  |
| - shared libs                                     |                                                              |       |                                    |  |
| ii liblouisutdml-bin                              | 2.5.0-3                                                      | amd64 | Braille UTDML                      |  |
| translation utilities                             |                                                              |       |                                    |  |
| ii liblouisutdml-data                             | 2.5.0-3                                                      |       |                                    |  |
| all                                               | Braille UTDML translation library - data                     |       |                                    |  |
| ii liblouisutdml6:amd64                           | 2.5.0-3                                                      | amd64 | Braille UTDML                      |  |
| translation library - shared libs                 |                                                              |       |                                    |  |
| ii liblqr-1-0:amd64                               | 0.4.2-2                                                      | amd64 | converts plain array               |  |
| images into multi-size representation             |                                                              |       |                                    |  |
| ii liblsan0:amd64                                 | 5.4.0-6ubuntu1~16.04.4                                       | amd64 | LeakSanitizer -- a                 |  |

|                                                 |                              |       |                                                       |  |
|-------------------------------------------------|------------------------------|-------|-------------------------------------------------------|--|
| memory leak detector (runtime)                  |                              |       |                                                       |  |
| ii libltdl7:amd64                               | 2.4.6-0.1                    | amd64 | System independent                                    |  |
| dlopen wrapper for GNU libtool                  |                              |       |                                                       |  |
| ii liblua5.1-0:amd64                            | 5.1.5-8ubuntu1               | amd64 | Shared library for the                                |  |
| Lua interpreter version 5.1                     |                              |       |                                                       |  |
| ii liblua5.2-0:amd64                            | 5.2.4-1ubuntu1               | amd64 | Shared library for the Lua interpreter version        |  |
| 5.2                                             |                              |       |                                                       |  |
| ii libluajit-5.1-2:amd64                        | 2.0.4+dfsg-1                 | amd64 | Just in time compiler                                 |  |
| for Lua - library version                       |                              |       |                                                       |  |
| ii libluajit-5.1-common                         | 2.0.4+dfsg-1                 | all   | Just in time compiler for                             |  |
| Lua - common files                              |                              |       |                                                       |  |
| ii liblwp-mediatypes-perl                       | 6.02-1                       | all   | module to guess media                                 |  |
| type for a file or a URL                        |                              |       |                                                       |  |
| ii liblwp-protocol-https-perl                   | 6.06-2                       | all   | HTTPS driver for                                      |  |
| LWP::UserAgent                                  |                              |       |                                                       |  |
| ii liblwres141:amd64                            | 1:9.10.3.dfsg.P4-8ubuntu1.4  | amd64 | Lightweight                                           |  |
| Resolver Library used by BIND                   |                              |       |                                                       |  |
| ii liblz4-1:amd64                               | 0.0~r131-2ubuntu2            | amd64 | Fast LZ compression algorithm library -               |  |
| runtime                                         |                              |       |                                                       |  |
| ii liblzma-dev:amd64                            | 5.1.1alpha+20120614-2ubuntu2 | amd64 | XZ-format                                             |  |
| compression library - development files         |                              |       |                                                       |  |
| ii liblzma5:amd64                               | 5.1.1alpha+20120614-2ubuntu2 | amd64 | XZ-format                                             |  |
| compression library                             |                              |       |                                                       |  |
| ii liblzma5:i386                                | 5.1.1alpha+20120614-2ubuntu2 | i386  | XZ-format                                             |  |
| compression library                             |                              |       |                                                       |  |
| ii liblzo2-2:amd64                              | 2.08-1.2                     | amd64 | data compression library                              |  |
| ii libmad0:amd64                                | 0.15.1b-8ubuntu1             | amd64 | MPEG audio                                            |  |
| decoder library                                 |                              |       |                                                       |  |
| ii libmagic1:amd64                              | 1:5.25-2ubuntu1              | amd64 | File type determination library using "magic" numbers |  |
| ii libmagiccore-6.q16-2:amd64                   | 8:6.8.9.9-7ubuntu5.3         | amd64 | low-level                                             |  |
| image manipulation library -- quantum depth Q16 |                              |       |                                                       |  |
| ii libmagiccore-6.q16-2-extra:amd64             | 8:6.8.9.9-7ubuntu5.3         | amd64 | low-level                                             |  |
| image manipulation library - extra codecs (Q16) |                              |       |                                                       |  |
| ii libmagicwand-6.q16-2:amd64                   | 8:6.8.9.9-7ubuntu5.3         | amd64 | image                                                 |  |
| manipulation library                            |                              |       |                                                       |  |
| ii libmail-sendmail-perl                        | 0.79.16-1                    | all   | Send email from a perl                                |  |
| script                                          |                              |       |                                                       |  |
| ii libmailtools-perl                            | 2.13-1                       | all   | Manipulate email in perl                              |  |
| programs                                        |                              |       |                                                       |  |
| ii libmaven-parent-java                         | 21-2                         | all   | Maven metadata for Apache Maven itself                |  |
| ii libmaven2-core-java                          | 2.2.1-24                     | all   | Core libraries for Maven2                             |  |
| ii libmaven3-core-java                          | 3.3.9-3                      | all   | Core libraries for Maven 3                            |  |
| ii libmbim-glib4:amd64                          | 1.12.2-2ubuntu1              | amd64 | Support library to                                    |  |
| use the MBIM protocol                           |                              |       |                                                       |  |

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|---------------------------------|------------------------------------|-------|------------------------------------------------------------------|
| ii libmbim-proxy                | 1.12.2-2ubuntu1                    | amd64 | Proxy to communicate with MBIM ports                             |
| ii libmedia1                    | 0.1.0+git20151016+6d424c9-0ubuntu7 | amd64 | Library to provide access to the Android Media HAL               |
| ii libmediaart-2.0-0:amd64      | 1.9.0-2                            | amd64 | media art extraction and cache management library                |
| ii libmessaging-menu0:amd64     | 13.10.1+15.10.20150505-0ubuntu1    | amd64 | Messaging Menu - shared library                                  |
| ii libmetacity-private3a:amd64  | 1:3.18.7-0ubuntu0.2                | amd64 | library for the Metacity window manager                          |
| ii libmhash2:amd64              | 0.9.9.9-7                          | amd64 | Library for cryptographic hashing and message authentication     |
| ii libmimic0:amd64              | 1.0.4-2.3                          | amd64 | A video codec for Mimic V2.x content                             |
| ii libminiupnpc10:amd64         | 1.9.20140610-2ubuntu2              | amd64 | UPnP IGD client lightweight library                              |
| ii libmirclient9:amd64          | 0.21.0+16.04.20160330-0ubuntu1     | amd64 | Display server for Ubuntu - client library                       |
| ii libmircommon5:amd64          | 0.21.0+16.04.20160330-0ubuntu1     | amd64 | Display server for Ubuntu - shared library                       |
| ii libmirprotobuf3:amd64        | 0.21.0+16.04.20160330-0ubuntu1     | amd64 | Display server for Ubuntu - RPC definitions                      |
| ii libmjpegutils-2.1-0          | 1:2.1.0+debian-4                   | amd64 | MJPEG capture/editing/replay and MPEG encoding toolset (library) |
| ii libmm-glib0:amd64            | 1.4.12-1ubuntu1                    | amd64 | D-Bus service for managing modems - shared libraries             |
| ii libmms0:amd64                | 0.6.4-1                            | amd64 | MMS stream protocol library - shared library                     |
| ii libmng2:amd64                | 2.0.2-0ubuntu3                     | amd64 | Multiple-image Network Graphics library                          |
| ii libmng2:i386                 | 2.0.2-0ubuntu3                     | i386  | Multiple-image Network Graphics library                          |
| ii libmnl0:amd64                | 1.0.3-5                            | amd64 | minimalistic Netlink communication library                       |
| ii libmodplug1:amd64            | 1:0.8.8.5-2                        | amd64 | shared libraries for mod music based on ModPlug                  |
| ii libmono-2.0-dev              | 4.2.1.102+dfsg2-7ubuntu4           | amd64 | Mono JIT library - Development files (Default version)           |
| ii libmono-accessibility4.0-cil | 4.2.1.102+dfsg2-7ubuntu4           | all   | Mono Accessibility library (for CLI 4.0)                         |
| ii libmono-c5-1.1-cil           | 4.2.1.102+dfsg2-7ubuntu4           | all   | Mono C5 library                                                  |
| ii libmono-cairo4.0-cil         | 4.2.1.102+dfsg2-7ubuntu4           | all   | Mono Cairo library (for CLI 4.0)                                 |
| ii libmono-cecil-private-cil    | 4.2.1.102+dfsg2-7ubuntu4           | all   | Mono.Cecil library                                               |
| ii libmono-cil-dev              | 4.2.1.102+dfsg2-7ubuntu4           | all   | Mono Base Class Libraries (BCL) - Development files              |



|                                                          |                          |                                                   |                                                  |
|----------------------------------------------------------|--------------------------|---------------------------------------------------|--------------------------------------------------|
| ii libmono-codecontracts4.0-cil                          | 4.2.1.102+dfsg2-7ubuntu4 | all                                               |                                                  |
| Mono.CodeContracts library (for CLI 4.0)                 |                          |                                                   |                                                  |
| ii libmono-compilerservices-symbolwriter4.0-cil          | 4.2.1.102+dfsg2-7ubuntu4 | all                                               |                                                  |
| Mono.CompilerServices.SymbolWriter library (for CLI 4.0) |                          |                                                   |                                                  |
| ii libmono-corlib4.5-cil                                 | 4.2.1.102+dfsg2-7ubuntu4 | all                                               | Mono core library                                |
| (for CLI 4.5)                                            |                          |                                                   |                                                  |
| ii libmono-cscompmgd0.0-cil                              | 4.2.1.102+dfsg2-7ubuntu4 | all                                               | Mono                                             |
| cscompmgd library (for CLI 4.0)                          |                          |                                                   |                                                  |
| ii libmono-csharp4.0c-cil                                | 4.2.1.102+dfsg2-7ubuntu4 | all                                               | Mono.CSharp                                      |
| library (for CLI 4.0)                                    |                          |                                                   |                                                  |
| ii libmono-custommarshallers4.0-cil                      | 4.2.1.102+dfsg2-7ubuntu4 | all                                               | Mono                                             |
| CustomMarshalers library (for CLI 4.0)                   |                          |                                                   |                                                  |
| ii libmono-data-tds4.0-cil                               | 4.2.1.102+dfsg2-7ubuntu4 | all                                               | Mono Data                                        |
| Library (for CLI 4.0)                                    |                          |                                                   |                                                  |
| ii libmono-db2-1.0-cil                                   | 4.2.1.102+dfsg2-7ubuntu4 | all                                               | Mono DB2 library                                 |
| ii libmono-debugger-soft4.0a-cil                         | 4.2.1.102+dfsg2-7ubuntu4 | all                                               | Mono Soft                                        |
| Debugger library (for CLI 4.0)                           |                          |                                                   |                                                  |
| ii libmono-http4.0-cil                                   | 4.2.1.102+dfsg2-7ubuntu4 | all                                               | Mono.Http library (for CLI 4.0)                  |
| ii libmono-i18n-cjk4.0-cil                               |                          |                                                   |                                                  |
| 4.2.1.102+dfsg2-7ubuntu4                                 | all                      | Mono I18N.CJK                                     | library (for CLI 4.0)                            |
| ii libmono-i18n-mideast4.0-cil                           |                          |                                                   |                                                  |
| 4.2.1.102+dfsg2-7ubuntu4                                 | all                      | Mono                                              | I18N.MidEast library (for CLI 4.0)               |
| ii libmono-i18n-other4.0-cil                             |                          |                                                   |                                                  |
| 4.2.1.102+dfsg2-7ubuntu4                                 | all                      | Mono                                              | I18N.Other library (for CLI 4.0)                 |
| ii libmono-i18n-rare4.0-cil                              |                          |                                                   |                                                  |
| 4.2.1.102+dfsg2-7ubuntu4                                 | all                      | Mono I18N.Rare                                    | library (for CLI 4.0)                            |
| ii libmono-i18n-west4.0-cil                              |                          |                                                   |                                                  |
| 4.2.1.102+dfsg2-7ubuntu4                                 | all                      | Mono                                              | I18N.West library (for CLI 4.0)                  |
| ii libmono-i18n4.0-all                                   |                          |                                                   |                                                  |
| 4.2.1.102+dfsg2-7ubuntu4                                 | all                      | Mono I18N libraries metapackage (for CLI 4.0)     |                                                  |
| ii libmono-i18n4.0-cil                                   |                          |                                                   |                                                  |
| 4.2.1.102+dfsg2-7ubuntu4                                 | all                      | Mono I18N base                                    | library (for CLI 4.0)                            |
| ii libmono-ldap4.0-cil                                   |                          |                                                   |                                                  |
| 4.2.1.102+dfsg2-7ubuntu4                                 | all                      | Mono LDAP                                         | library (for CLI 4.0)                            |
| ii libmono-management4.0-cil                             |                          |                                                   |                                                  |
| 4.2.1.102+dfsg2-7ubuntu4                                 | all                      | Mono                                              | Management library (for CLI 4.0)                 |
| ii libmono-messaging-rabbitmq4.0-cil                     |                          |                                                   |                                                  |
| 4.2.1.102+dfsg2-7ubuntu4                                 | all                      | Mono                                              | Messaging RabbitMQ library (for CLI 4.0)         |
| ii libmono-messaging4.0-cil                              |                          |                                                   |                                                  |
| 4.2.1.102+dfsg2-7ubuntu4                                 | all                      | Mono                                              | Messaging library (for CLI 4.0)                  |
| ii libmono-microsoft-build-engine4.0-cil                 |                          |                                                   |                                                  |
| 4.2.1.102+dfsg2-7ubuntu4                                 | all                      | Mono Microsoft.Build.Engine library (for CLI 4.0) |                                                  |
| ii libmono-microsoft-build-framework4.0-cil              |                          |                                                   |                                                  |
| 4.2.1.102+dfsg2-7ubuntu4                                 | all                      | Mono                                              | Microsoft.Build.Framework library (for CLI 4.0)  |
| ii libmono-microsoft-build-tasks-v4.0-4.0-cil            |                          |                                                   |                                                  |
| 4.2.1.102+dfsg2-7ubuntu4                                 | all                      | Mono                                              | Microsoft.Build.Tasks.v4.0 library (for CLI 4.0) |
| ii libmono-microsoft-build-utilities-v4.0-4.0-cil        |                          |                                                   |                                                  |
| 4.2.1.102+dfsg2-7ubuntu4                                 | all                      | Mono                                              |                                                  |

|                                                                  |                                                      |                          |     |                                                          |
|------------------------------------------------------------------|------------------------------------------------------|--------------------------|-----|----------------------------------------------------------|
| Microsoft.Build.Utilities.v4.0 library (for CLI 4.0)             |                                                      |                          |     |                                                          |
| ii                                                               | libmono-microsoft-build4.0-cil                       | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                     |
| Microsoft.Build library (for CLI 4.0)                            |                                                      |                          |     |                                                          |
| ii                                                               | libmono-microsoft-csharp4.0-cil                      | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                     |
| Microsoft.CSharp library (for CLI 4.0)                           |                                                      |                          |     |                                                          |
| ii                                                               | libmono-microsoft-visualc10.0-cil                    | 4.2.1.102+dfsg2-7ubuntu4 |     |                                                          |
|                                                                  | all                                                  |                          |     | Mono Microsoft.VisualBasic library (for CLI 4.0)         |
| ii                                                               | libmono-microsoft-web-infrastructure1.0-cil          | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                     |
| Microsoft.Web.Infrastructure library (for CLI 4.0)               |                                                      |                          |     |                                                          |
| ii                                                               | libmono-oracle4.0-cil                                | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono Oracle                                              |
| library (for CLI 4.0)                                            |                                                      |                          |     |                                                          |
| ii                                                               | libmono-parallel4.0-cil                              | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono.Parallel                                            |
| library (for CLI 4.0)                                            |                                                      |                          |     |                                                          |
| ii                                                               | libmono-peapi4.0a-cil                                | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono PEAPI                                               |
| library (for CLI 4.0)                                            |                                                      |                          |     |                                                          |
| ii                                                               | libmono-posix4.0-cil                                 | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono.Posix                                               |
| library (for CLI 4.0)                                            |                                                      |                          |     |                                                          |
| ii                                                               | libmono-rabbitmq4.0-cil                              | 4.2.1.102+dfsg2-7ubuntu4 |     |                                                          |
|                                                                  | all                                                  |                          |     | Mono RabbitMQ.Client library (for CLI 4.0)               |
| ii                                                               | libmono-relaxng4.0-cil                               | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono Relaxng                                             |
| library (for CLI 4.0)                                            |                                                      |                          |     |                                                          |
| ii                                                               | libmono-security4.0-cil                              | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono Security                                            |
| library (for CLI 4.0)                                            |                                                      |                          |     |                                                          |
| ii                                                               | libmono-sharpzip4.84-cil                             | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                     |
| SharpZipLib library (for CLI 4.0)                                |                                                      |                          |     |                                                          |
| ii                                                               | libmono-simd4.0-cil                                  | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono SIMD (for                                           |
| CLI 4.0)                                                         |                                                      |                          |     |                                                          |
| ii                                                               | libmono-smdiagnostics0.0-cil                         | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                     |
| SMDiagnostics Library (for CLI 4.0)                              |                                                      |                          |     |                                                          |
| ii                                                               | libmono-sqlite4.0-cil                                | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono Sqlite                                              |
| library (for CLI 4.0)                                            |                                                      |                          |     |                                                          |
| ii                                                               | libmono-system-componentmodel-composition4.0-cil     | 4.2.1.102+dfsg2-7ubuntu4 |     | all                                                      |
| Mono System.ComponentModel.Composition library (for CLI 4.0)     |                                                      |                          |     |                                                          |
| ii                                                               | libmono-system-componentmodel-dataannotations4.0-cil | 4.2.1.102+dfsg2-7ubuntu4 |     | all                                                      |
| Mono System.ComponentModel.DataAnnotations library (for CLI 4.0) |                                                      |                          |     |                                                          |
| ii                                                               | libmono-system-configuration-install4.0-cil          | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                     |
| System.Configuration.Install library (for CLI 4.0)               |                                                      |                          |     |                                                          |
| ii                                                               | libmono-system-configuration4.0-cil                  | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                     |
| System.Configuration library (for CLI 4.0)                       |                                                      |                          |     |                                                          |
| ii                                                               | libmono-system-core4.0-cil                           | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                     |
| System.Core library (for CLI 4.0)                                |                                                      |                          |     |                                                          |
| ii                                                               | libmono-system-data-datasetextensions4.0-cil         | 4.2.1.102+dfsg2-7ubuntu4 |     |                                                          |
|                                                                  | all                                                  |                          |     | Mono System.Data.DataSetExtensions library (for CLI 4.0) |
| ii                                                               | libmono-system-data-entity4.0-cil                    | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                     |
| System.Data.Entity library (for CLI 4.0)                         |                                                      |                          |     |                                                          |
| ii                                                               | libmono-system-data-linq4.0-cil                      | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                     |
| System.Data.Linq Library (for CLI 4.0)                           |                                                      |                          |     |                                                          |
| ii                                                               | libmono-system-data-services-client4.0-cil           | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                     |

|                                                          |                                                 |                          |     |                                                     |
|----------------------------------------------------------|-------------------------------------------------|--------------------------|-----|-----------------------------------------------------|
| System.Data.Services.Client library (for CLI 4.0)        |                                                 |                          |     |                                                     |
| ii                                                       | libmono-system-data-services4.0-cil             | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                |
| System.Data.Services library (for CLI 4.0)               |                                                 |                          |     |                                                     |
| ii                                                       | libmono-system-data4.0-cil                      | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                |
| System.Data library (for CLI 4.0)                        |                                                 |                          |     |                                                     |
| ii                                                       | libmono-system-design4.0-cil                    | 4.2.1.102+dfsg2-7ubuntu4 |     |                                                     |
|                                                          | all                                             |                          |     | Mono System.Design Library (for CLI 4.0)            |
| ii                                                       | libmono-system-drawing-design4.0-cil            | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                |
| System.Drawing.Design (for CLI 4.0)                      |                                                 |                          |     |                                                     |
| ii                                                       | libmono-system-drawing4.0-cil                   | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                |
| System.Drawing library (for CLI 4.0)                     |                                                 |                          |     |                                                     |
| ii                                                       | libmono-system-dynamic4.0-cil                   | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                |
| System.Dynamic library (for CLI 4.0)                     |                                                 |                          |     |                                                     |
| ii                                                       | libmono-system-enterpriseservices4.0-cil        | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                |
| System.EnterpriseServices library (for CLI 4.0)          |                                                 |                          |     |                                                     |
| ii                                                       | libmono-system-identitymodel-selectors4.0-cil   | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                |
| System.IdentityModel.Selectors Library (for CLI 4.0)     |                                                 |                          |     |                                                     |
| ii                                                       | libmono-system-identitymodel4.0-cil             |                          |     |                                                     |
|                                                          | 4.2.1.102+dfsg2-7ubuntu4                        | all                      |     | Mono System.IdentityModel Library (for CLI 4.0)     |
| ii                                                       | libmono-system-io-compression-filesystem4.0-cil | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                |
| System.IO.Compression.FileSystem library (for CLI 4.0)   |                                                 |                          |     |                                                     |
| ii                                                       | libmono-system-io-compression4.0-cil            | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                |
| System.IO.Compression library (for CLI 4.0)              |                                                 |                          |     |                                                     |
| ii                                                       | libmono-system-json-microsoft4.0-cil            | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                |
| System.Json.Microsoft library (for CLI 4.0)              |                                                 |                          |     |                                                     |
| ii                                                       | libmono-system-json4.0-cil                      | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                |
| System.Json library (for CLI 4.0)                        |                                                 |                          |     |                                                     |
| ii                                                       | libmono-system-ldap-protocols4.0-cil            | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                |
| System.DirectoryServices.Protocols library (for CLI 4.0) |                                                 |                          |     |                                                     |
| ii                                                       | libmono-system-ldap4.0-cil                      |                          |     |                                                     |
|                                                          | 4.2.1.102+dfsg2-7ubuntu4                        | all                      |     | Mono System.DirectoryServices library (for CLI 4.0) |
| CLI 4.0)                                                 |                                                 |                          |     |                                                     |
| ii                                                       | libmono-system-management4.0-cil                | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                |
| System.Management library (for CLI 4.0)                  |                                                 |                          |     |                                                     |
| ii                                                       | libmono-system-messaging4.0-cil                 | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                |
| System.Messaging library (for CLI 4.0)                   |                                                 |                          |     |                                                     |
| ii                                                       | libmono-system-net-http-formatting4.0-cil       | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                |
| System.Net.Http.Formatting library (for CLI 4.0)         |                                                 |                          |     |                                                     |
| ii                                                       | libmono-system-net-http-webrequest4.0-cil       | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                |
| System.Net.Http.WebRequest library (for CLI 4.0)         |                                                 |                          |     |                                                     |
| ii                                                       | libmono-system-net-http4.0-cil                  | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                |
| System.Net.Http library (for CLI 4.0)                    |                                                 |                          |     |                                                     |
| ii                                                       | libmono-system-net4.0-cil                       | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                |
| System.Net library (for CLI 4.0)                         |                                                 |                          |     |                                                     |
| ii                                                       | libmono-system-numeric4.0-cil                   | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                |
| System.Numerics library (for CLI 4.0)                    |                                                 |                          |     |                                                     |
| ii                                                       | libmono-system-reactive-core2.2-cil             | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                                                |

|                                                                         |                                                             |                          |     |      |
|-------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------|-----|------|
| System.Reactive.Core Library (for CLI 4.5)                              |                                                             |                          |     |      |
| ii                                                                      | libmono-system-reactive-debugger2.2-cil                     | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Reactive.Debugger Library (for CLI 4.5)                          |                                                             |                          |     |      |
| ii                                                                      | libmono-system-reactive-experimental2.2-cil                 | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Reactive.Experimental Library (for CLI 4.5)                      |                                                             |                          |     |      |
| ii                                                                      | libmono-system-reactive-interfaces2.2-cil                   | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Reactive.Interfaces Library (for CLI 4.5)                        |                                                             |                          |     |      |
| ii                                                                      | libmono-system-reactive-linq2.2-cil                         | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Reactive.Linq Library (for CLI 4.5)                              |                                                             |                          |     |      |
| ii                                                                      | libmono-system-reactive-observable-aliases0.0-cil           | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Reactive.Linq Library (for CLI 4.5)                              |                                                             |                          |     |      |
| ii                                                                      | libmono-system-reactive-platformservices2.2-cil             | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Reactive.PlatformServices Library (for CLI 4.5)                  |                                                             |                          |     |      |
| ii                                                                      | libmono-system-reactive-providers2.2-cil                    | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Reactive.Providers Library (for CLI 4.5)                         |                                                             |                          |     |      |
| ii                                                                      | libmono-system-reactive-runtime-remoting2.2-cil             | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Reactive.Runtime.Remoting Library (for CLI 4.5)                  |                                                             |                          |     |      |
| ii                                                                      | libmono-system-reactive-windows-forms2.2-cil                | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Reactive.Windows.Forms Library (for CLI 4.5)                     |                                                             |                          |     |      |
| ii                                                                      | libmono-system-reactive-windows-threading2.2-cil            | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Reactive.Windows.Threading Library (for CLI 4.5)                 |                                                             |                          |     |      |
| ii                                                                      | libmono-system-runtime-caching4.0-cil                       | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Runtime.Caching Library (for CLI 4.0)                            |                                                             |                          |     |      |
| ii                                                                      | libmono-system-runtime-durableinstancing4.0-cil             | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Runtime.DurableInstancing Library (for CLI 4.0)                  |                                                             |                          |     |      |
| ii                                                                      | libmono-system-runtime-serialization-formatters-soap4.0-cil | 4.2.1.102+dfsg2-7ubuntu4 | all |      |
| Mono System.Runtime.Serialization.Formatters.Soap Library (for CLI 4.0) |                                                             |                          |     |      |
| ii                                                                      | libmono-system-runtime-serialization4.0-cil                 | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Runtime.Serialization Library (for CLI 4.0)                      |                                                             |                          |     |      |
| ii                                                                      | libmono-system-runtime4.0-cil                               | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Runtime library (for CLI 4.0)                                    |                                                             |                          |     |      |
| ii                                                                      | libmono-system-security4.0-cil                              | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Security library (for CLI 4.0)                                   |                                                             |                          |     |      |
| ii                                                                      | libmono-system-servicemodel-activation4.0-cil               | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.ServiceModel.Activation Library (for CLI 4.0)                    |                                                             |                          |     |      |
| ii                                                                      | libmono-system-servicemodel-discovery4.0-cil                | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.ServiceModel.Discovery Library (for CLI 4.0)                     |                                                             |                          |     |      |
| ii                                                                      | libmono-system-servicemodel-internals0.0-cil                | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.ServiceModel.Internals Library (for CLI 4.0)                     |                                                             |                          |     |      |
| ii                                                                      | libmono-system-servicemodel-routing4.0-cil                  | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.ServiceModel.Routing Library (for CLI 4.0)                       |                                                             |                          |     |      |
| ii                                                                      | libmono-system-servicemodel-web4.0-cil                      | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.ServiceModel.Web Library (for CLI 4.0)                           |                                                             |                          |     |      |
| ii                                                                      | libmono-system-servicemodel4.0a-cil                         | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.ServiceModel Library (for CLI 4.0)                               |                                                             |                          |     |      |
| ii                                                                      | libmono-system-serviceprocess4.0-cil                        | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.ServiceProcess library (for CLI 4.0)                             |                                                             |                          |     |      |

|                                                                                                                                |                          |      |                                               |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------|------|-----------------------------------------------|
| ii libmono-system-threading-tasks-dataflow4.0-cil<br>System.Threading.Tasks.Dataflow library (for CLI 4.0)                     | 4.2.1.102+dfsg2-7ubuntu4 | all  | Mono                                          |
| ii libmono-system-transactions4.0-cil<br>System.Transactions library (for CLI 4.0)                                             | 4.2.1.102+dfsg2-7ubuntu4 | all  | Mono                                          |
| ii libmono-system-web-abstractions4.0-cil<br>4.2.1.102+dfsg2-7ubuntu4                                                          | all                      | Mono | System.Web.Abstractions library (for CLI 4.0) |
| ii libmono-system-web-applicationservices4.0-cil<br>System.Web.ApplicationServices library (for CLI 4.0)                       | 4.2.1.102+dfsg2-7ubuntu4 | all  | Mono                                          |
| ii libmono-system-web-dynamicdata4.0-cil<br>System.Web.DynamicData library (for CLI 4.0)                                       | 4.2.1.102+dfsg2-7ubuntu4 | all  | Mono                                          |
| ii libmono-system-web-extensions-design4.0-cil<br>System.Web.Extensions.Design library (for CLI 4.0)                           | 4.2.1.102+dfsg2-7ubuntu4 | all  | Mono                                          |
| ii libmono-system-web-extensions4.0-cil<br>System.Web.Extensions library (for CLI 4.0)                                         | 4.2.1.102+dfsg2-7ubuntu4 | all  | Mono                                          |
| ii libmono-system-web-http-selfhost4.0-cil<br>System.Web.Http.SelfHost library (for CLI 4.0)                                   | 4.2.1.102+dfsg2-7ubuntu4 | all  | Mono                                          |
| ii libmono-system-web-http-webhost4.0-cil<br>System.Web.Http.WebHost library (for CLI 4.0)                                     | 4.2.1.102+dfsg2-7ubuntu4 | all  | Mono                                          |
| ii libmono-system-web-http4.0-cil<br>System.Web.Http library (for CLI 4.0)                                                     | 4.2.1.102+dfsg2-7ubuntu4 | all  | Mono                                          |
| ii libmono-system-web-mvc3.0-cil<br>ASP.NET MVC 3.0 Library (for CLI 4.0)                                                      | 4.2.1.102+dfsg2-7ubuntu4 | all  | Mono                                          |
| ii libmono-system-web-razor2.0-cil<br>System.Web.Razor (for CLI 4.0)                                                           | 4.2.1.102+dfsg2-7ubuntu4 | all  | Mono                                          |
| ii libmono-system-web-routing4.0-cil<br>System.Web.Routing (for CLI 4.0)                                                       | 4.2.1.102+dfsg2-7ubuntu4 | all  | Mono                                          |
| ii libmono-system-web-services4.0-cil<br>System.Web.Services (for CLI 4.0)                                                     | 4.2.1.102+dfsg2-7ubuntu4 | all  | Mono                                          |
| ii libmono-system-web-webpages-deployment2.0-cil<br>4.2.1.102+dfsg2-7ubuntu4                                                   | all                      | Mono | System.Web.WebPages.Deployment (for CLI 4.0)  |
| ii libmono-system-web-webpages-razor2.0-cil<br>System.Web.WebPages.Razor (for CLI 4.0)                                         | 4.2.1.102+dfsg2-7ubuntu4 | all  | Mono                                          |
| ii libmono-system-web-webpages2.0-cil<br>System.Web.WebPages (for CLI 4.0)                                                     | 4.2.1.102+dfsg2-7ubuntu4 | all  | Mono                                          |
| ii libmono-system-web4.0-cil<br>System.Web library (for CLI 4.0)                                                               | 4.2.1.102+dfsg2-7ubuntu4 | all  | Mono                                          |
| ii libmono-system-windows-forms-datavisualization4.0a-cil<br>Mono System.Windows.Forms.DataVisualization Library (for CLI 4.0) | 4.2.1.102+dfsg2-7ubuntu4 | all  |                                               |
| ii libmono-system-windows-forms4.0-cil<br>System.Windows.Forms Library<br>(for CLI 4.0)                                        | 4.2.1.102+dfsg2-7ubuntu4 | all  | Mono                                          |
| ii libmono-system-windows4.0-cil<br>System.Windows library (for CLI 4.0)                                                       | 4.2.1.102+dfsg2-7ubuntu4 | all  | Mono                                          |
| ii libmono-system-xaml4.0-cil<br>System.Xaml Library (for CLI 4.0)                                                             | 4.2.1.102+dfsg2-7ubuntu4 | all  | Mono                                          |
| ii libmono-system-xml-linq4.0-cil<br>System.Xml.Linq library (for CLI 4.0)                                                     | 4.2.1.102+dfsg2-7ubuntu4 | all  | Mono                                          |

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|----------------------------------------------------------------------------------------------|--------------------------|-------|------------------------------------------------|
| ii libmono-system-xml-serialization4.0-cil<br>System.Xml.Serialization library (for CLI 4.0) | 4.2.1.102+dfsg2-7ubuntu4 | all   | Mono                                           |
| ii libmono-system-xml4.0-cil<br>System.Xml library (for CLI 4.0)                             | 4.2.1.102+dfsg2-7ubuntu4 | all   | Mono                                           |
| ii libmono-system4.0-cil<br>libraries (for CLI 4.0)                                          | 4.2.1.102+dfsg2-7ubuntu4 | all   | Mono System                                    |
| ii<br>libmono-tasklets4.0-cil<br>library (for CLI 4.0)                                       | 4.2.1.102+dfsg2-7ubuntu4 | all   | Mono Tasklets                                  |
| ii libmono-webbrowser4.0-cil<br>Browser library (for CLI 4.0)                                | 4.2.1.102+dfsg2-7ubuntu4 | all   | Mono Web                                       |
| ii libmono-webmatrix-data4.0-cil<br>WebMatrix.Data Library (for CLI 4.0)                     | 4.2.1.102+dfsg2-7ubuntu4 | all   | Mono                                           |
| ii libmono-windowsbase4.0-cil<br>WindowsBase library (for CLI 4.0)                           | 4.2.1.102+dfsg2-7ubuntu4 | all   | Mono                                           |
| ii libmono-xbuild-tasks4.0-cil<br>Mono.XBuild.Tasks library (for CLI 4.0)                    | 4.2.1.102+dfsg2-7ubuntu4 | all   | Mono                                           |
| ii libmonoboehm-2.0-1<br>library (Boehm GC)                                                  | 4.2.1.102+dfsg2-7ubuntu4 | amd64 | Mono JIT                                       |
| ii libmonoboehm-2.0-dev<br>(Boehm GC)                                                        | 4.2.1.102+dfsg2-7ubuntu4 | amd64 | Mono JIT library - Development files           |
| ii libmount1:amd64<br>library                                                                | 2.27.1-6ubuntu3.2        | amd64 | device mounting                                |
| ii libmp3lame0:amd64<br>library                                                              | 3.99.5+repack1-9build1   | amd64 | MP3 encoding                                   |
| ii libmpc3:amd64<br>complex floating-point library                                           | 1.0.3-1                  | amd64 | multiple precision                             |
| ii libmpdec2:amd64<br>floating point arithmetic (runtime library)                            | 2.4.2-1                  | amd64 | library for decimal                            |
| ii libmpeg2-4:amd64<br>video decoder library                                                 | 0.5.1-7                  | amd64 | MPEG1 and MPEG2                                |
| ii libmpeg2encpp-2.1-0<br>1:2.1.0+debian-4<br>toolset (library)                              | amd64                    | amd64 | MJPEG capture/editing/replay and MPEG encoding |
| ii libmpfr4:amd64<br>floating-point computation                                              | 3.1.4-1                  | amd64 | multiple precision                             |
| ii libmpeg123-0:amd64<br>audio decoder (shared library)                                      | 1.22.4-1                 | amd64 | MPEG layer 1/2/3                               |
| ii libmplex2-2.1-0<br>capture/editing/replay and MPEG encoding toolset (library)             | 1:2.1.0+debian-4         | amd64 | MJPEG                                          |
| ii libmpx0:amd64<br>protection extensions (runtime)                                          | 5.4.0-6ubuntu1~16.04.4   | amd64 | Intel memory                                   |
| ii libmshpub-0.1-1:amd64<br>the mshpub file structure                                        | 0.1.2-2ubuntu1           | amd64 | library for parsing                            |
| ii<br>libmtdev1:amd64<br>Translation Library - shared library                                | 1.1.5-1ubuntu2           | amd64 | Multitouch Protocol                            |

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|-----------------------------------------------------------------------------------|-----------------------------|-------|---------------------------------|
| ii libmtp-common<br>Protocol (MTP) common files                                   | 1.1.10-2ubuntu1             | all   | Media Transfer                  |
| ii libmtp-runtime<br>Protocol (MTP) runtime tools                                 | 1.1.10-2ubuntu1             | amd64 | Media Transfer                  |
| ii libmtp9:amd64<br>Protocol (MTP) library                                        | 1.1.10-2ubuntu1             | amd64 | Media Transfer                  |
| ii libmwaw-0.3-3:amd64<br>some old Mac text documents                             | 0.3.7-1ubuntu2              | amd64 | import library for              |
| ii libmysqlclient20:i386<br>client library                                        | 5.7.17-0ubuntu0.16.04.1     | i386  | MySQL database                  |
| ii<br>libmythes-1.2-0:amd64<br>library                                            | 2:1.2.4-1ubuntu3            | amd64 | simple thesaurus                |
| ii libnatpmp1:amd64<br>compliant implementation of NAT-PMP                        | 20110808-4                  | amd64 | portable and fully              |
| ii libnautilus-extension1a:amd64<br>nautilus components - runtime version         | 1:3.18.4.is.3.14.3-0ubuntu5 | amd64 | libraries for                   |
| ii libnb-org-openide-util-java<br>NetBeans Platform                               | 8.1+dfsg1-2                 | all   | Utility classes from the        |
| ii libnb-org-openide-util-lookup-java<br>classes from the NetBeans Platform       | 8.1+dfsg1-2                 | all   | Utility lookup                  |
| ii libncurses5:amd64<br>for terminal handling                                     | 6.0+20160213-1ubuntu1       | amd64 | shared libraries                |
| ii<br>libncurses5:i386<br>terminal handling                                       | 6.0+20160213-1ubuntu1       | i386  | shared libraries for            |
| ii libncurses5-dev:amd64<br>libraries for ncurses                                 | 6.0+20160213-1ubuntu1       | amd64 | developer's                     |
| ii libncursesw5:amd64<br>libraries for terminal handling (wide character support) | 6.0+20160213-1ubuntu1       | amd64 | shared                          |
| ii libncursesw5:i386<br>for terminal handling (wide character support)            | 6.0+20160213-1ubuntu1       | i386  | shared libraries                |
| ii libndp0:amd64<br>Neighbor Discovery Protocol                                   | 1.4-2ubuntu0.16.04.1        | amd64 | Library for                     |
| ii libneon27-gnutls:amd64<br>WebDAV client<br>library (GnuTLS enabled)            | 0.30.1-3build1              | amd64 | HTTP and                        |
| ii libnet-dbus-perl<br>DBus bindings                                              | 1.1.0-3build1               | amd64 | Perl extension for the          |
| ii libnet-dns-perl<br>from a Perl script                                          | 0.81-2build1                | amd64 | Perform DNS queries             |
| ii libnet-domain-tld-perl<br>Top-level Domains (TLDs)                             | 1.73-1                      | all   | list of currently available     |
| ii libnet-http-perl<br>HTTP connection client                                     | 6.09-1                      | all   | module providing low-level      |
| ii libnet-ip-perl<br>IPv4/IPv6 addresses                                          | 1.26-1                      | all   | Perl extension for manipulating |
| ii libnet-libidn-perl                                                             | 0.12.ds-2build2             | amd64 | Perl                            |

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|--------------------------------------------------------------------------------|------------------------|-------|---------------------------|
| bindings for GNU Libidn                                                        |                        |       |                           |
| ii libnet-smtp-ssl-perl support to Net::SMTP                                   | 1.03-1                 | all   | Perl module providing SSL |
| ii libnet-ssleay-perl Sockets Layer (SSL)                                      | 1.72-1build1           | amd64 | Perl module for Secure    |
| ii libnetfilter-conntrack3:amd64 conntrack library                             | 1.0.5-1                | amd64 | Netfilter netlink-        |
| ii libnetpbm10 tools shared libraries                                          | 2:10.0-15.3            | amd64 | Graphics conversion       |
| ii libnettle6:amd64 cryptographic library (symmetric and one-way cryptos)      | 3.2-1ubuntu0.16.04.1   | amd64 | low level                 |
| ii libnettle6:i386 level cryptographic library (symmetric and one-way cryptos) | 3.2-1ubuntu0.16.04.1   | i386  | low                       |
| ii libnewt0.52:amd64 Windowing Toolkit - text mode windowing with slang        | 0.52.18-1ubuntu2       | amd64 | Not Erik's                |
| ii libnfnetwork0:amd64                                                         | 1.0.1-3                | amd64 | Netfilter netlink library |
| ii libnih-dbus1:amd64 Bindings Library                                         | 1.0.3-4.3ubuntu1       | amd64 | NIH D-Bus                 |
| ii libnih1:amd64                                                               | 1.0.3-4.3ubuntu1       | amd64 | NIH Utility Library       |
| ii libnl-3-200:amd64 netlink sockets                                           | 3.2.27-1               | amd64 | library for dealing with  |
| ii libnl-genl-3-200:amd64 with netlink sockets - generic netlink               | 3.2.27-1               | amd64 | library for dealing       |
| ii libnm-glib-vpn1:amd64 management framework (GLib VPN shared library)        | 1.2.2-0ubuntu0.16.04.3 | amd64 | network                   |
| ii libnm-glib4:amd64 management framework (GLib shared library)                | 1.2.2-0ubuntu0.16.04.3 | amd64 | network                   |
| ii libnm-gtk-common and mobile dialogs - common files                          | 1.2.0-0ubuntu0.16.04.4 | all   | library for wireless      |
| ii libnm-gtk0:amd64 wireless and mobile dialogs (libnm-glib version)           | 1.2.0-0ubuntu0.16.04.4 | amd64 | library for               |
| ii libnm-util2:amd64 management framework (shared library)                     | 1.2.2-0ubuntu0.16.04.3 | amd64 | network                   |
| ii libnm0:amd64 amd64 GObject-based client library for NetworkManager          | 1.2.2-0ubuntu0.16.04.3 |       |                           |
| ii libnma-common and mobile dialogs - common files                             | 1.2.0-0ubuntu0.16.04.4 | all   | library for wireless      |
| ii libnma0:amd64 and mobile dialogs (libnm version)                            | 1.2.0-0ubuntu0.16.04.4 | amd64 | library for wireless      |
| ii libnotify-bin notifications to a notification daemon (Utilities)            | 0.7.6-2svn1            | amd64 | sends desktop             |
| ii libnotify4:amd64 notifications to a notification daemon                     | 0.7.6-2svn1            | amd64 | sends desktop             |
| ii libnpt0:amd64 using system threads                                          | 1.2-3                  | amd64 | replacement for GNU Pth   |
| ii libnspr4:amd64                                                              |                        |       |                           |



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|-------------------------------------------------------------|-------------------------------|-------|-------------------------------------------|
|                                                             | 2:4.12-0ubuntu0.16.04.1       | amd64 | NetScape Portable Runtime Library         |
| ii libnss-mdns:amd64                                        | 0.10-7                        | amd64 | NSS module for                            |
| Multicast DNS name resolution                               |                               |       |                                           |
| ii libnss3:amd64                                            | 2:3.26.2-0ubuntu0.16.04.2     | amd64 | Network Security                          |
| Service libraries                                           |                               |       |                                           |
| ii libnss3-1d:amd64                                         | 2:3.26.2-0ubuntu0.16.04.2     | amd64 | Network                                   |
| Security Service libraries - transitional package           |                               |       |                                           |
| ii libnss3-nssdb                                            | 2:3.26.2-0ubuntu0.16.04.2     | all   | Network Security                          |
| Security libraries - shared databases                       |                               |       |                                           |
| ii libnuma1:amd64                                           | 2.0.11-1ubuntu1               | amd64 | Libraries for                             |
| controlling NUMA policy                                     |                               |       |                                           |
| ii libnunit-cil-dev                                         | 2.6.4+dfsg-1                  | all   | Unit test framework for CLI - Development |
| files                                                       |                               |       |                                           |
| ii libnunit-console-runner2.6.3-cil                         | 2.6.4+dfsg-1                  | all   | Unit test framework                       |
| for CLI - Assemblies                                        |                               |       |                                           |
| ii libnunit-core-interfaces2.6.3-cil                        | 2.6.4+dfsg-1                  | all   | Unit test framework                       |
| for CLI - Assemblies                                        |                               |       |                                           |
| ii libnunit-core2.6.3-cil                                   | 2.6.4+dfsg-1                  | all   | Unit test framework for                   |
| CLI - Assemblies                                            |                               |       |                                           |
| ii libnunit-framework2.6.3-cil                              | 2.6.4+dfsg-1                  | all   | Unit test framework                       |
| for CLI - Assemblies                                        |                               |       |                                           |
| ii libnunit-mocks2.6.3-cil                                  | 2.6.4+dfsg-1                  | all   | Unit test framework for                   |
| CLI - Assemblies                                            |                               |       |                                           |
| ii libnunit-util2.6.3-cil                                   | 2.6.4+dfsg-1                  | all   | Unit test framework for CLI - Assemblies  |
|                                                             |                               |       |                                           |
| ii libnux-4.0-0                                             | 4.0.8+16.04.20160705-0ubuntu1 | amd64 | Visual                                    |
| rendering toolkit for real-time applications - shared lib   |                               |       |                                           |
| ii libnux-4.0-common                                        | 4.0.8+16.04.20160705-0ubuntu1 | all   | Visual                                    |
| rendering toolkit for real-time applications - common files |                               |       |                                           |
| ii liboauth0:amd64                                          | 1.0.3-0ubuntu2                | amd64 | C library for                             |
| implementing OAuth 1.0                                      |                               |       |                                           |
| ii libobjc-5-dev:amd64                                      | 5.4.0-6ubuntu1~16.04.4        | amd64 | Runtime library                           |
| for GNU Objective-C applications (development files)        |                               |       |                                           |
| ii libobjc4:amd64                                           | 5.4.0-6ubuntu1~16.04.4        | amd64 | Runtime library                           |
| for GNU Objective-C applications                            |                               |       |                                           |
| ii libobjenesis-java                                        | 2.2-1                         | all   | Java library to instantiate a             |
| new object of a particular class                            |                               |       |                                           |
| ii libodfgen-0.1-1                                          | 0.1.6-1ubuntu2                | amd64 | library to generate                       |
| ODF documents                                               |                               |       |                                           |
| ii libofa0:amd64                                            | 0.9.3-10ubuntu1               | amd64 | library for acoustic                      |
| fingerprinting                                              |                               |       |                                           |
| ii libogg0:amd64                                            | 1.3.2-1                       | amd64 | Ogg bitstream library                     |
| ii libogg0:i386                                             | 1.3.2-1                       | i386  | Ogg bitstream library                     |
| ii libopenal-data                                           | 1:1.16.0-3                    | all   | Software implementation of                |
| the OpenAL audio API                                        |                               |       |                                           |
| (data files)                                                |                               |       |                                           |
| ii libopenal1:amd64                                         | 1:1.16.0-3                    | amd64 | Software                                  |

|                                                                  |                         |       |                   |
|------------------------------------------------------------------|-------------------------|-------|-------------------|
| implementation of the OpenAL audio API (shared library)          |                         |       |                   |
| ii libopencore-amrnb0:amd64                                      | 0.1.3-2.1               | amd64 | Adaptive Multi    |
| Rate speech codec - shared library                               |                         |       |                   |
| ii libopencore-amrwb0:amd64                                      | 0.1.3-2.1               | amd64 | Adaptive Multi-   |
| Rate - Wideband speech codec - shared library                    |                         |       |                   |
| ii libopencv-calib3d-dev:amd64                                   | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 |                   |
| development files for libopencv-calib3d                          |                         |       |                   |
| ii libopencv-calib3d2.4v5:amd64                                  | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer          |
| vision Camera Calibration library                                |                         |       |                   |
| ii libopencv-contrib-dev:amd64                                   | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 |                   |
| development files for libopencv-contrib                          |                         |       |                   |
| ii libopencv-contrib2.4v5:amd64                                  | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer          |
| vision contrib library                                           |                         |       |                   |
| ii libopencv-core-dev:amd64                                      | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development       |
| files for libopencv-core                                         |                         |       |                   |
| ii libopencv-core2.4v5:amd64                                     | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer          |
| vision core library                                              |                         |       |                   |
| ii libopencv-dev                                                 | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development files |
| for opencv                                                       |                         |       |                   |
| ii libopencv-features2d-dev:amd64                                | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 |                   |
| development files for libopencv-features2d                       |                         |       |                   |
| ii libopencv-features2d2.4v5:amd64                               | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer          |
| vision Feature Detection and Descriptor                          |                         |       |                   |
| Extraction library                                               |                         |       |                   |
| ii libopencv-flann-dev:amd64                                     | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development       |
| files for libopencv-flann                                        |                         |       |                   |
| ii libopencv-flann2.4v5:amd64                                    | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer          |
| vision Clustering and Search in Multi-Dimensional spaces library |                         |       |                   |
| ii libopencv-gpu-dev:amd64                                       | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development       |
| files for libopencv-gpu2.4v5                                     |                         |       |                   |
| ii libopencv-gpu2.4v5:amd64                                      | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer          |
| vision GPU library                                               |                         |       |                   |
| ii libopencv-highgui-dev:amd64                                   | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 |                   |
| development files for libopencv-highgui                          |                         |       |                   |
| ii libopencv-highgui2.4v5:amd64                                  | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer          |
| vision                                                           |                         |       |                   |
| High-level GUI and Media I/O library                             |                         |       |                   |
| ii libopencv-imgproc-dev:amd64                                   | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 |                   |
| development files for libopencv-imgproc                          |                         |       |                   |
| ii libopencv-imgproc2.4v5:amd64                                  | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer          |
| vision Image Processing library                                  |                         |       |                   |
| ii libopencv-legacy-dev:amd64                                    | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development       |
| files for libopencv-legacy                                       |                         |       |                   |
| ii libopencv-legacy2.4v5:amd64                                   | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer          |
| vision legacy library                                            |                         |       |                   |
| ii libopencv-ml-dev:amd64                                        | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development       |
| files for libopencv-ml                                           |                         |       |                   |
| ii libopencv-ml2.4v5:amd64                                       | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer          |

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|------------------------------------------------|-------------------------|-------|-----------------------------------|---------------------------|
| vision Machine Learning library                |                         |       |                                   |                           |
| ii                                             |                         |       |                                   |                           |
| libopencv-objdetect-dev:amd64                  | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development                       |                           |
| files for libopencv-objdetect                  |                         |       |                                   |                           |
| ii libopencv-objdetect2.4v5:amd64              | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer                          |                           |
| vision Object Detection library                |                         |       |                                   |                           |
| ii libopencv-ocl-dev:amd64                     | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development                       |                           |
| files for libopencv-ocl2.4v5                   |                         |       |                                   |                           |
| ii libopencv-ocl2.4v5:amd64                    | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer                          |                           |
| vision OpenCL support library                  |                         |       |                                   |                           |
| ii libopencv-photo-dev:amd64                   | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development                       |                           |
| files for libopencv-photo2.4v5                 |                         |       |                                   |                           |
| ii libopencv-photo2.4v5:amd64                  | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer                          |                           |
| vision computational photography library       |                         |       |                                   |                           |
| ii                                             |                         |       |                                   |                           |
| libopencv-stitching-dev:amd64                  | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development                       |                           |
| files for libopencv-stitching2.4v5             |                         |       |                                   |                           |
| ii libopencv-stitching2.4v5:amd64              | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer                          |                           |
| vision image stitching library                 |                         |       |                                   |                           |
| ii libopencv-superres-dev:amd64                | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 |                                   |                           |
| development files for libopencv-superres2.4v5  |                         |       |                                   |                           |
| ii libopencv-superres2.4v5:amd64               | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer                          |                           |
| vision Super Resolution library                |                         |       |                                   |                           |
| ii libopencv-ts-dev:amd64                      | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development                       |                           |
| files for libopencv-ts2.4v5                    |                         |       |                                   |                           |
| ii libopencv-ts2.4v5:amd64                     | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer                          |                           |
| vision ts library                              |                         |       |                                   |                           |
| ii libopencv-video-dev:amd64                   |                         |       |                                   |                           |
|                                                | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development                       | files for libopencv-video |
| ii libopencv-video2.4v5:amd64                  | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer                          |                           |
| vision Video analysis library                  |                         |       |                                   |                           |
| ii libopencv-videostab-dev:amd64               | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 |                                   |                           |
| development files for libopencv-videostab2.4v5 |                         |       |                                   |                           |
| ii libopencv-videostab2.4v5:amd64              | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer                          |                           |
| vision video stabilization library             |                         |       |                                   |                           |
| ii libopencv2.4-java                           | 2.4.9.1+dfsg-1.5ubuntu1 | all   | Java bindings for the             |                           |
| computer vision library                        |                         |       |                                   |                           |
| ii libopencv2.4-jni                            | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | Java jni library for              |                           |
| the computer vision library                    |                         |       |                                   |                           |
| ii libopenexr-dev                              |                         |       |                                   |                           |
|                                                | 2.2.0-10ubuntu2         | amd64 | development files for the OpenEXR |                           |
| image library                                  |                         |       |                                   |                           |
| ii libopenexr22:amd64                          | 2.2.0-10ubuntu2         | amd64 | runtime files for                 |                           |
| the OpenEXR image library                      |                         |       |                                   |                           |
| ii libopenjpeg5:amd64                          | 1:1.5.2-3.1             | amd64 | JPEG 2000 image                   |                           |
| compression/decompression library - runtime    |                         |       |                                   |                           |
| ii libopus0:amd64                              | 1.1.2-1ubuntu1          | amd64 | Opus codec runtime                |                           |
| library                                        |                         |       |                                   |                           |

|                                                                                          |                                 |       |                                          |
|------------------------------------------------------------------------------------------|---------------------------------|-------|------------------------------------------|
| ii libopus0:i386<br>library                                                              | 1.1.2-1ubuntu1                  | i386  | Opus codec runtime                       |
| ii liborc-0.4-0:amd64<br>Inner Loops Runtime Compiler                                    | 1:0.4.25-1                      | amd64 | Library of Optimized                     |
| ii liborc-0.4-0:i386<br>Compiler                                                         | 1:0.4.25-1                      | i386  | Library of Optimized Inner Loops Runtime |
| ii liborcus-0.10-0v5:amd64<br>processing spreadsheet documents                           | 0.9.2-4ubuntu2                  | amd64 | library for                              |
| ii libosmesa6:amd64<br>rendering extension                                               | 11.2.0-1ubuntu2.2               | amd64 | Mesa Off-screen                          |
| ii liboxideqt-qmlplugin:amd64<br>engine for Qt (QML plugin)                              | 1.20.4-0ubuntu0.16.04.1         | amd64 | Web browser                              |
| ii liboxideqtcore0:amd64<br>engine for Qt (core library and components)                  | 1.20.4-0ubuntu0.16.04.1         | amd64 | Web browser                              |
| ii liboxideqtquick0:amd64<br>engine for Qt (QtQuick library)                             | 1.20.4-0ubuntu0.16.04.1         | amd64 | Web browser                              |
| ii libp11-kit-gnome-keyring:amd64<br>module loading library                              | 3.18.3-0ubuntu2                 | amd64 | GNOME keyring module for the PKCS#11     |
| ii libp11-kit0:amd64<br>loading and coordinating access to PKCS#11 modules - runtime     | 0.23.2-5~ubuntu16.04.1          | amd64 | library for                              |
| ii libp11-kit0:i386<br>and coordinating access to PKCS#11 modules - runtime              | 0.23.2-5~ubuntu16.04.1          | i386  | library for loading                      |
| ii libpackagekit-glib2-16:amd64<br>for accessing PackageKit using GLib                   | 0.8.17-4ubuntu6~gcc5.4ubuntu1.1 | amd64 | Library                                  |
| ii libpagemaker-0.0-0:amd64<br>importing and converting PageMaker Documents              | 0.0.3-1ubuntu1                  | amd64 | Library for                              |
| ii libpam-gnome-keyring:amd64<br>amd64 PAM module to unlock the GNOME keyring upon login | 3.18.3-0ubuntu2                 |       |                                          |
| ii libpam-modules:amd64<br>Authentication Modules for PAM                                | 1.1.8-3.2ubuntu2                | amd64 | Pluggable                                |
| ii libpam-modules-bin<br>Authentication Modules for PAM - helper binaries                | 1.1.8-3.2ubuntu2                | amd64 | Pluggable                                |
| ii libpam-runtime<br>PAM library                                                         | 1.1.8-3.2ubuntu2                | all   | Runtime support for the                  |
| ii libpam-systemd:amd64<br>service manager - PAM module                                  | 229-4ubuntu16                   | amd64 | system and                               |
| ii libpam0g:amd64<br>Authentication Modules library                                      | 1.1.8-3.2ubuntu2                | amd64 | Pluggable                                |
| ii libpango-1.0-0:amd64<br>amd64 Layout and rendering of internationalized text          | 1.38.1-1                        |       |                                          |
| ii libpango-1.0-0:i386<br>internationalized text                                         | 1.38.1-1                        | i386  | Layout and rendering of                  |
| ii libpango1.0-0:amd64<br>of internationalized text (transitional package)               | 1.38.1-1                        | amd64 | Layout and rendering                     |
| ii libpango1.0-dev<br>Pango                                                              | 1.38.1-1                        | amd64 | Development files for the                |

|                                  |                         |       |                                                                     |
|----------------------------------|-------------------------|-------|---------------------------------------------------------------------|
| ii libpangocairo-1.0-0:amd64     | 1.38.1-1                | amd64 | Layout and rendering of internationalized text                      |
| ii libpangocairo-1.0-0:i386      | 1.38.1-1                | i386  | Layout and rendering of internationalized text                      |
| ii libpangoft2-1.0-0:amd64       | 1.38.1-1                | amd64 | Layout and rendering of internationalized text                      |
| ii libpangoft2-1.0-0:i386        | 1.38.1-1                | i386  | Layout and rendering of internationalized text                      |
| ii libpangomm-1.4-1v5:amd64      | 2.38.1-1                | amd64 | C++ Wrapper for pango (shared libraries)                            |
| ii libpangox-1.0-0:amd64         | 0.0.2-5                 | amd64 | pango library X backend                                             |
| ii libpangoxft-1.0-0:amd64       | 1.38.1-1                | amd64 | Layout and rendering of internationalized text                      |
| ii libpaper-utils                | 1.1.24+nmu4ubuntu1      | amd64 | library for handling paper characteristics (utilities)              |
| ii libpaper1:amd64               | 1.1.24+nmu4ubuntu1      | amd64 | library for handling paper characteristics                          |
| ii libparse-debianchangelog-perl | 1.2.0-8                 | all   | parse Debian changelogs and output them in other formats            |
| ii libparted2:amd64              | 3.2-15                  | amd64 | manipulator - shared library                                        |
| ii libpathplan4                  | 2.38.0-12ubuntu2.1      | amd64 | rich set of graph drawing tools - pathplan library                  |
| ii libpcap0.8:amd64              | 1.7.4-2                 | amd64 | system interface for user-level packet capture                      |
| ii libpci3:amd64                 | 1:3.3.1-1.1ubuntu1      | amd64 | Linux PCI Utilities (shared library)                                |
| ii libpciaccess0:amd64           | 0.13.4-1                | amd64 | Generic PCI access library for X                                    |
| ii libpciaccess0:i386            | 0.13.4-1                | i386  | Generic PCI access library for X                                    |
| ii libpcre16-3:amd64             | 2:8.38-3.1              | amd64 | Perl 5 Compatible Regular Expression Library - 16 bit runtime files |
| ii libpcre3:amd64                | 2:8.38-3.1              | amd64 | Perl 5 Compatible Regular Expression Library - runtime files        |
| ii libpcre3:i386                 | 2:8.38-3.1              | i386  | Perl 5 Compatible Regular Expression Library - runtime files        |
| ii libpcre3-dev:amd64            | 2:8.38-3.1              | amd64 | Perl 5 Compatible Regular Expression Library - development files    |
| ii libpcre32-3:amd64             | 2:8.38-3.1              | amd64 | Perl 5 Compatible Regular Expression Library - 32 bit runtime files |
| ii libpcrecpp0v5:amd64           | 2:8.38-3.1              | amd64 | Perl 5 Compatible Regular Expression Library - C++ runtime files    |
| ii libpcsclite1:amd64            | 1.8.14-1ubuntu1.16.04.1 | amd64 | Middleware to access a smart card using PC/SC (library)             |
| ii libpeas-1.0-0:amd64           | 1.16.0-1ubuntu2         | amd64 | Application plugin                                                  |

|                                                                        |                        |     |       |                                                |
|------------------------------------------------------------------------|------------------------|-----|-------|------------------------------------------------|
| library                                                                |                        |     |       |                                                |
| ii libpeas-1.0-0-python3loader<br>plugin library                       | 1.16.0-1ubuntu2        |     | amd64 | Application                                    |
| ii libpeas-common<br>plugin library (common files)                     | 1.16.0-1ubuntu2        |     | all   | Application                                    |
| ii libperl5.22:amd64                                                   | 5.22.1-9               |     | amd64 | shared Perl library                            |
| ii libperlio-gzip-perl<br>PerlIO layer to gzip/gunzip                  | 0.19-1build1           |     | amd64 | module providing a                             |
| ii libpipeline1:amd64<br>library                                       | 1.4.1-2                |     | amd64 | pipeline manipulation                          |
| ii libpixmap-1-0:amd64<br>library for X and cairo                      | 0.33.6-1               |     | amd64 | pixel-manipulation                             |
| ii libpixmap-1-0:i386<br>for X and cairo                               | 0.33.6-1               |     | i386  | pixel-manipulation library                     |
| ii libpixmap-1-dev<br>library for X and cairo (development<br>files)   | 0.33.6-1               |     | amd64 | pixel-manipulation                             |
| ii libplexus-ant-factory-java                                          | 1.0~alpha2.1-3         |     | all   | Plexus Ant Factory                             |
| ii libplexus-archiver-java<br>Plexus compiler system                   | 2.2-1                  |     | all   | Archiver plugin for the                        |
| ii libplexus-bsh-factory-java<br>Factory                               | 1.0~alpha7-3.1         |     | all   | Plexus Beanshell                               |
| ii libplexus-cipher-java<br>used by Maven                              | 1.7-1                  |     | all   | Plexus Cipher Component                        |
| ii libplexus-classworlds-java<br>the Plexus framework                  | 1.5.0-5                |     | all   | Class loading utilities for                    |
| ii libplexus-classworlds2-java<br>the Plexus framework                 | 2.5.2-1                |     | all   | Class loading utilities for                    |
| ii libplexus-cli-java<br>1.2-5                                         |                        | all |       | Easily create CLIs with Plexus components      |
| ii libplexus-component-annotations-java<br>Annotations                 | 1.6-2                  |     | all   | Plexus Component                               |
| ii libplexus-component-metadata-java<br>Maven plugin for Plexus        | 1.6-2                  |     | all   | Component Metadata                             |
| ii libplexus-container-default-java<br>Plexus framework                | 1.0-alpha-9-stable-1-7 |     | all   | utilities for the                              |
| ii libplexus-container-default1.5-java<br>control Container            | 1.6-2                  |     | all   | Plexus Inversion-of-                           |
| ii libplexus-containers-java<br>framework                              | 1.0~beta3.0.7-8        |     | all   | utilities for the Plexus                       |
| ii libplexus-containers1.5-java<br>1.6-2                               |                        | all |       | Plexus IoC Container core with companion tools |
| ii libplexus-interactivity-api-java<br>the Plexus framework            | 1.0-alpha-6-7          |     | all   | interactivity API for                          |
| ii libplexus-interpolation-java                                        | 1.21-1                 |     | all   | Plexus Interpolation API                       |
| ii libplexus-io-java                                                   | 1.0~alpha5-2           |     | all   | Plexus IO Components                           |
| ii libplexus-sec-dispatcher-java<br>Dispatcher Component used by Maven | 1.3.1-6                |     | all   | Plexus Security                                |

|                                                                                                             |                           |       |                                     |
|-------------------------------------------------------------------------------------------------------------|---------------------------|-------|-------------------------------------|
| ii libplexus-utils-java<br>framework                                                                        | 1:1.5.15-4                | all   | utilities for the Plexus            |
| ii libplexus-utils2-java<br>all utilities for the Plexus framework                                          | 3.0.22-1                  |       |                                     |
| ii libplist3:amd64<br>Apple binary and XML property lists                                                   | 1.12-3.1                  | amd64 | Library for handling                |
| ii libplymouth4:amd64<br>animation and logger - shared libraries                                            | 0.9.2-3ubuntu13.1         | amd64 | graphical boot                      |
| ii libpng12-0:amd64<br>runtime                                                                              | 1.2.54-1ubuntu1           | amd64 | PNG library -                       |
| ii libpng12-0:i386                                                                                          | 1.2.54-1ubuntu1           | i386  | PNG library - runtime               |
| ii libpng12-dev:amd64<br>development                                                                        | 1.2.54-1ubuntu1           | amd64 | PNG library -                       |
| ii libpolkit-agent-1-0:amd64<br>Authentication<br>Agent API                                                 | 0.105-14.1                | amd64 | PolicyKit                           |
| ii libpolkit-backend-1-0:amd64<br>API                                                                       | 0.105-14.1                | amd64 | PolicyKit backend                   |
| ii libpolkit-gobject-1-0:amd64<br>Authorization API                                                         | 0.105-14.1                | amd64 | PolicyKit                           |
| ii libpoppler-glib8:amd64<br>library (GLib-based shared library)                                            | 0.41.0-0ubuntu1.1         | amd64 | PDF rendering                       |
| ii libpoppler-qt5-1:amd64<br>library (Qt 5 based shared library)                                            | 0.41.0-0ubuntu1.1         | amd64 | PDF rendering                       |
| ii libpoppler58:amd64<br>library                                                                            | 0.41.0-0ubuntu1.1         | amd64 | PDF rendering                       |
| ii libpopt0:amd64<br>parameters                                                                             | 1.16-10                   | amd64 | lib for parsing cmdline             |
| ii libportaudio2:amd64<br>19+svn20140130-1build1                                                            |                           | amd64 | Portable audio I/O - shared library |
| ii libpostproc-ffmpeg53:amd64<br>library for post processing - runtime files                                | 7:2.8.10-0ubuntu0.16.04.1 | amd64 | FFmpeg                              |
| ii libpotrace0                                                                                              | 1.13-2                    | amd64 | library for tracing bitmaps         |
| ii libpq5:amd64<br>library                                                                                  | 9.6.1-2.pgdg16.04+1       | amd64 | PostgreSQL C client                 |
| ii libprocps4:amd64<br>accessing process information from /proc                                             | 2:3.3.10-4ubuntu2.3       | amd64 | library for                         |
| ii libprotobuf-lite9v5:amd64<br>library (lite version)                                                      | 2.6.1-1.3                 | amd64 | protocol buffers C++                |
| ii libprotobuf9v5:amd64<br>2.6.1-1.3                                                                        |                           | amd64 | protocol buffers C++ library        |
| ii libproxy1-plugin-gsettings:amd64<br>proxy configuration management library (GSettings plugin)            | 0.4.11-5ubuntu1           | amd64 | automatic                           |
| ii libproxy1-plugin-gsettings:i386<br>configuration management library (GSettings plugin)                   | 0.4.11-5ubuntu1           | i386  | automatic proxy                     |
| ii libproxy1-plugin-networkmanager:amd64<br>proxy configuration management library (Network Manager plugin) | 0.4.11-5ubuntu1           | amd64 | automatic                           |
| ii libproxy1-plugin-webkit:i386                                                                             | 0.4.11-5ubuntu1           | i386  | automatic proxy                     |

|                                                                                |                         |       |                             |  |
|--------------------------------------------------------------------------------|-------------------------|-------|-----------------------------|--|
| configuration management library (Webkit plugin)                               |                         |       |                             |  |
| ii libproxy1v5:amd64                                                           | 0.4.11-5ubuntu1         | amd64 | automatic proxy             |  |
| configuration management library (shared)                                      |                         |       |                             |  |
| ii libproxy1v5:i386                                                            | 0.4.11-5ubuntu1         | i386  | automatic proxy             |  |
| configuration management library (shared)                                      |                         |       |                             |  |
| ii libptexenc1:amd64                                                           | 2015.20160222.37495-1   | amd64 | TeX Live:                   |  |
| pTeX encoding library                                                          |                         |       |                             |  |
| ii libpthread-stubs0-dev:amd64                                                 | 0.3-4                   | amd64 | pthread stubs not           |  |
| provided by native libc, development files                                     |                         |       |                             |  |
| ii libpulse-mainloop-glib0:amd64                                               | 1:8.0-0ubuntu3.2        | amd64 | PulseAudio                  |  |
| client libraries (glib support)                                                |                         |       |                             |  |
| ii libpulse0:amd64                                                             | 1:8.0-0ubuntu3.2        | amd64 | PulseAudio client           |  |
| libraries                                                                      |                         |       |                             |  |
| ii libpulse0:i386                                                              | 1:8.0-0ubuntu3.2        | i386  | PulseAudio                  |  |
| client libraries                                                               |                         |       |                             |  |
| ii libpulsedsp:amd64                                                           | 1:8.0-0ubuntu3.2        | amd64 | PulseAudio OSS              |  |
| pre-load library                                                               |                         |       |                             |  |
| ii libpwquality-common                                                         | 1.3.0-0ubuntu1          | all   | library for password        |  |
| quality checking and generation (data files)                                   |                         |       |                             |  |
| ii libpwquality1:amd64                                                         | 1.3.0-0ubuntu1          | amd64 | library for                 |  |
| password quality checking and generation                                       |                         |       |                             |  |
| ii libpython-all-dev:amd64                                                     | 2.7.11-1                | amd64 | package depending on        |  |
| all supported Python development packages                                      |                         |       |                             |  |
| ii libpython-dev:amd64                                                         | 2.7.11-1                | amd64 | header files and a          |  |
| static library for Python (default)                                            |                         |       |                             |  |
| ii libpython-stdlib:amd64                                                      | 2.7.11-1                |       |                             |  |
| amd64 interactive high-level object-oriented language (default python version) |                         |       |                             |  |
| ii libpython2.7:amd64                                                          | 2.7.12-1ubuntu0~16.04.1 | amd64 | Shared Python               |  |
| runtime library (version 2.7)                                                  |                         |       |                             |  |
| ii libpython2.7-dev:amd64                                                      | 2.7.12-1ubuntu0~16.04.1 | amd64 | Header files                |  |
| and a static library for Python (v2.7)                                         |                         |       |                             |  |
| ii libpython2.7-minimal:amd64                                                  | 2.7.12-1ubuntu0~16.04.1 | amd64 | Minimal                     |  |
| subset of the Python language (version 2.7)                                    |                         |       |                             |  |
| ii libpython2.7-stdlib:amd64                                                   | 2.7.12-1ubuntu0~16.04.1 | amd64 | Interactive                 |  |
| high-level object-oriented language (standard library, version 2.7)            |                         |       |                             |  |
| ii libpython3-stdlib:amd64                                                     | 3.5.1-3                 | amd64 | interactive high-level      |  |
| object-oriented language (default                                              |                         |       |                             |  |
| python3 version)                                                               |                         |       |                             |  |
| ii libpython3.5:amd64                                                          | 3.5.2-2ubuntu0~16.04.1  | amd64 | Shared Python               |  |
| runtime library (version 3.5)                                                  |                         |       |                             |  |
| ii libpython3.5-minimal:amd64                                                  | 3.5.2-2ubuntu0~16.04.1  | amd64 | Minimal                     |  |
| subset of the Python language (version 3.5)                                    |                         |       |                             |  |
| ii libpython3.5-stdlib:amd64                                                   | 3.5.2-2ubuntu0~16.04.1  | amd64 | Interactive                 |  |
| high-level object-oriented language (standard library, version 3.5)            |                         |       |                             |  |
| ii libqdox2-java                                                               | 2.0~M3-2                | all   | quickly parses declarations |  |
| and Javadoc from Java source                                                   |                         |       |                             |  |
| ii libqmi-glib1:amd64                                                          | 1.12.6-1                | amd64 | Support library to use      |  |



the Qualcomm MSM Interface (QMI) protocol

|                             |       |                                     |       |                                                            |
|-----------------------------|-------|-------------------------------------|-------|------------------------------------------------------------|
| ii libqmi-proxy             |       |                                     |       |                                                            |
| 1.12.6-1                    | amd64 | Proxy to communicate with QMI ports |       |                                                            |
| ii libqpdf17:amd64          |       | 6.0.0-2                             | amd64 | runtime library for PDF transformation/inspection software |
| ii libqqwing2v5:amd64       |       | 1.3.4-1                             | amd64 | tool for generating and solving Sudoku puzzles (library)   |
| ii libqt4-dbus:amd64        |       | 4:4.8.7+dfsg-5ubuntu2               | amd64 | Qt 4 D-Bus module                                          |
| ii libqt4-dbus:i386         |       | 4:4.8.7+dfsg-5ubuntu2               | i386  | Qt 4 D-Bus module                                          |
| ii libqt4-declarative:amd64 |       | 4:4.8.7+dfsg-5ubuntu2               | amd64 | Qt 4 Declarative module                                    |
| ii libqt4-declarative:i386  |       | 4:4.8.7+dfsg-5ubuntu2               | i386  | Qt 4 Declarative module                                    |
| ii libqt4-network:amd64     |       | 4:4.8.7+dfsg-5ubuntu2               | amd64 | Qt 4 network module                                        |
| ii libqt4-network:i386      |       | 4:4.8.7+dfsg-5ubuntu2               | i386  | Qt 4 network module                                        |
| ii libqt4-opengl:i386       |       | 4:4.8.7+dfsg-5ubuntu2               | i386  | Qt 4 OpenGL module                                         |
| ii libqt4-script:amd64      |       | 4:4.8.7+dfsg-5ubuntu2               | amd64 | Qt 4 script module                                         |
| ii libqt4-script:i386       |       | 4:4.8.7+dfsg-5ubuntu2               | i386  | Qt 4 script module                                         |
| ii libqt4-sql:amd64         |       | 4:4.8.7+dfsg-5ubuntu2               | amd64 | Qt 4 SQL module                                            |
| ii libqt4-sql:i386          |       | 4:4.8.7+dfsg-5ubuntu2               | i386  | Qt 4 SQL module                                            |
| ii libqt4-sql-mysql:i386    |       | 4:4.8.7+dfsg-5ubuntu2               | i386  | Qt 4 MySQL database driver                                 |
| ii libqt4-sql-sqlite:amd64  |       | 4:4.8.7+dfsg-5ubuntu2               | amd64 | Qt 4 SQLite 3 database driver                              |
| ii libqt4-xml:amd64         |       | 4:4.8.7+dfsg-5ubuntu2               | amd64 | Qt 4 XML module                                            |
| ii libqt4-xml:i386          |       | 4:4.8.7+dfsg-5ubuntu2               | i386  | Qt 4 XML module                                            |
| ii libqt4-xmlpatterns:amd64 |       | 4:4.8.7+dfsg-5ubuntu2               | amd64 | Qt 4 XML patterns module                                   |
| ii libqt4-xmlpatterns:i386  |       | 4:4.8.7+dfsg-5ubuntu2               | i386  | Qt 4 XML patterns module                                   |
| ii libqt5core5a:amd64       |       | 5.5.1+dfsg-16ubuntu7.2              |       | Qt 5 core module                                           |
| ii libqt5dbus5:amd64        |       | 5.5.1+dfsg-16ubuntu7.2              | amd64 | Qt 5 D-Bus module                                          |
| ii libqt5feedback5:amd64    |       | 5.0~git20130529-0ubuntu13           | amd64 | Qt Feedback module                                         |
| ii libqt5gui5:amd64         |       | 5.5.1+dfsg-16ubuntu7.2              | amd64 | Qt 5 GUI module                                            |
| ii libqt5multimedia5:amd64  |       | 5.5.1-4ubuntu2                      | amd64 | Qt 5 Multimedia module                                     |
| ii libqt5network5:amd64     |       | 5.5.1+dfsg-16ubuntu7.2              | amd64 | Qt 5 network module                                        |

|                                                                     |                                    |       |                           |
|---------------------------------------------------------------------|------------------------------------|-------|---------------------------|
| ii libqt5opengl5:amd64<br>module                                    | 5.5.1+dfsg-16ubuntu7.2             | amd64 | Qt 5 OpenGL               |
| ii libqt5organizer5:amd64<br>amd64 Qt PIM module, Organizer library | 5.0~git20140515~29475884-0ubuntu20 |       |                           |
| ii libqt5positioning5:amd64<br>module                               | 5.5.1-3ubuntu1                     | amd64 | Qt Positioning            |
| ii libqt5printsupport5:amd64<br>support module                      | 5.5.1+dfsg-16ubuntu7.2             | amd64 | Qt 5 print                |
| ii libqt5qml5:amd64                                                 | 5.5.1-2ubuntu6                     | amd64 | Qt 5 QML module           |
| ii libqt5quick5:amd64                                               | 5.5.1-2ubuntu6                     | amd64 | Qt 5 Quick library        |
| ii libqt5quicktest5:amd64<br>library                                | 5.5.1-2ubuntu6                     | amd64 | Qt 5 Quick Test           |
| ii libqt5script5:amd64                                              | 5.5.1+dfsg-2build1                 | amd64 | Qt 5 script module        |
| ii libqt5sql5:amd64<br>amd64 Qt 5 SQL module                        | 5.5.1+dfsg-16ubuntu7.2             |       |                           |
| ii libqt5sql5-sqlite:amd64<br>database driver                       | 5.5.1+dfsg-16ubuntu7.2             | amd64 | Qt 5 SQLite 3             |
| ii libqt5svg5:amd64                                                 | 5.5.1-2build1                      | amd64 | Qt 5 SVG module           |
| ii libqt5test5:amd64                                                | 5.5.1+dfsg-16ubuntu7.2             | amd64 | Qt 5 test module          |
| ii libqt5webkit5:amd64<br>engine library for Qt                     | 5.5.1+dfsg-2ubuntu1                | amd64 | Web content               |
| ii libqt5widgets5:amd64<br>module                                   | 5.5.1+dfsg-16ubuntu7.2             | amd64 | Qt 5 widgets              |
| ii libqt5x11extras5:amd64                                           | 5.5.1-3build1                      | amd64 | Qt 5 X11 extras           |
| ii libqt5xml5:amd64<br>amd64 Qt 5 XML module                        | 5.5.1+dfsg-16ubuntu7.2             |       |                           |
| ii libqtcore4:amd64                                                 | 4:4.8.7+dfsg-5ubuntu2              | amd64 | Qt 4 core module          |
| ii libqtcore4:i386                                                  | 4:4.8.7+dfsg-5ubuntu2              | i386  | Qt 4 core module          |
| ii libqtdbus4:amd64<br>module library                               | 4:4.8.7+dfsg-5ubuntu2              | amd64 | Qt 4 D-Bus                |
| ii libqtdbus4:i386<br>library                                       | 4:4.8.7+dfsg-5ubuntu2              | i386  | Qt 4 D-Bus module         |
| ii libqtgui4:amd64                                                  | 4:4.8.7+dfsg-5ubuntu2              | amd64 | Qt 4 GUI module           |
| ii libqtgui4:i386                                                   | 4:4.8.7+dfsg-5ubuntu2              | i386  | Qt 4 GUI module           |
| ii libqtwebkit4:i386<br>i386 Web content engine library for Qt      | 2.3.2-0ubuntu11                    |       |                           |
| ii libquadmath0:amd64<br>Precision Math Library                     | 5.4.0-6ubuntu1~16.04.4             | amd64 | GCC Quad-                 |
| ii libquvi-scripts<br>download links (Lua scripts)                  | 0.4.21-2                           | all   | library for parsing video |
| ii libquvi7:amd64<br>download links (runtime libraries)             | 0.4.1-3                            | amd64 | library for parsing video |
| ii libraptor2-0:amd64<br>library                                    | 2.0.14-1                           | amd64 | Raptor 2 RDF syntax       |
| ii librasqal3:amd64<br>library                                      | 0.9.32-1                           | amd64 | Rasqal RDF query          |
| ii libraw1394-11:amd64                                              | 2.1.1-2                            |       |                           |

|                                          |                                                           |       |                                                                    |  |
|------------------------------------------|-----------------------------------------------------------|-------|--------------------------------------------------------------------|--|
| amd64                                    | library for direct access to IEEE 1394 bus (aka FireWire) |       |                                                                    |  |
| ii libraw1394-11:i386                    | 2.1.1-2                                                   | i386  | library for direct access to IEEE 1394 bus (aka FireWire)          |  |
| ii libraw1394-dev:amd64                  | 2.1.1-2                                                   | amd64 | library for direct access to IEEE 1394 bus - development files     |  |
| ii libraw1394-tools                      | 2.1.1-2                                                   | amd64 | library for direct access to IEEE 1394 bus (aka FireWire)          |  |
| ii libraw15:amd64                        | 0.17.1-1                                                  | amd64 | raw image decoder library                                          |  |
| ii librdf0:amd64                         | 1.0.17-1build1                                            | amd64 | Redland Resource Description Framework (RDF) library               |  |
| ii libreadline6:amd64                    | 6.3-8ubuntu2                                              | amd64 | GNU readline and history libraries, run-time libraries             |  |
| ii librecode0:amd64                      | 3.6-22                                                    | amd64 | Shared library on which recode is based                            |  |
| ii libregexp-common-perl                 | 2016020301-1                                              | all   | module with common regular expressions                             |  |
| ii libreoffice-avmedia-backend-gstreamer | 1:5.1.4-0ubuntu1                                          | amd64 | GStreamer backend for LibreOffice                                  |  |
| ii libreoffice-base-core                 | 1:5.1.4-0ubuntu1                                          | amd64 | office productivity suite -- shared library                        |  |
| ii libreoffice-calc                      | 1:5.1.4-0ubuntu1                                          | amd64 | office productivity suite -- spreadsheet                           |  |
| ii libreoffice-common                    | 1:5.1.4-0ubuntu1                                          | all   | office productivity suite -- arch-independent files                |  |
| ii libreoffice-core                      | 1:5.1.4-0ubuntu1                                          | amd64 | office productivity suite -- arch-dependent files                  |  |
| ii libreoffice-draw                      | 1:5.1.4-0ubuntu1                                          | amd64 | office productivity suite -- drawing                               |  |
| ii libreoffice-gnome                     | 1:5.1.4-0ubuntu1                                          | amd64 | office productivity suite -- GNOME integration                     |  |
| ii libreoffice-gtk                       | 1:5.1.4-0ubuntu1                                          | amd64 | office productivity suite -- GTK+ integration                      |  |
| ii libreoffice-help-en-gb                | 1:5.1.4-0ubuntu1                                          | all   | office productivity suite -- English_british help                  |  |
| ii libreoffice-help-en-us                | 1:5.1.4-0ubuntu1                                          | all   | office productivity suite -- English_american help                 |  |
| ii libreoffice-help-it                   | 1:5.1.4-0ubuntu1                                          | all   | office productivity suite - Italian help                           |  |
| ii libreoffice-impress                   | 1:5.1.4-0ubuntu1                                          | amd64 | office productivity suite -- presentation                          |  |
| ii libreoffice-l10n-en-gb                | 1:5.1.4-0ubuntu1                                          | all   | office productivity suite -- English_british language package      |  |
| ii libreoffice-l10n-en-za                | 1:5.1.4-0ubuntu1                                          | all   | office productivity suite -- English_southafrican language package |  |
| ii libreoffice-l10n-it                   | 1:5.1.4-0ubuntu1                                          | all   | office productivity suite - Italian language                       |  |

|                                                                        |                                 |       |                                 |
|------------------------------------------------------------------------|---------------------------------|-------|---------------------------------|
| package                                                                |                                 |       |                                 |
| ii libreoffice-math suite -- equation editor                           | 1:5.1.4-0ubuntu1                | amd64 | office productivity             |
| ii libreoffice-ogltrans extension for slide transitions using OpenGL   | 1:5.1.4-0ubuntu1                | amd64 | LibreOffice Impress             |
| ii libreoffice-pdfimport component for LibreOffice                     | 1:5.1.4-0ubuntu1                | amd64 | PDF Import                      |
| ii libreoffice-style-breeze suite -- Breeze symbol style               | 1:5.1.4-0ubuntu1                | all   | office productivity             |
| ii libreoffice-style-galaxy suite -- Galaxy (Default) symbol style     | 1:5.1.4-0ubuntu1                | all   | office productivity             |
| ii libreoffice-writer office productivity suite -- word processor      | 1:5.1.4-0ubuntu1                | amd64 |                                 |
| ii librest-0.7-0:amd64 library                                         | 0.7.93-1                        | amd64 | REST service access             |
| ii librevenge-0.0-0:amd64 writing document interface filters           | 0.0.4-4ubuntu1                  | amd64 | Base Library for                |
| ii librhino-java Engine                                                | 1.7R4-3                         | all   | Libraries for rhino Java Script |
| ii librhythmbox-core9:amd64 for the rhythmbox music player             | 3.3-1ubuntu7                    | amd64 | support library                 |
| ii libroken18-heimdal:amd64 Kerberos - roken support library           | 1.7~git20150920+dfsg-4ubuntu1   | amd64 | Heimdal                         |
| ii libsvg2-2:amd64 renderer library for SVG files (runtime)            | 2.40.13-3                       | amd64 | SAX-based                       |
| ii libsvg2-common:amd64 renderer library for SVG files (extra runtime) | 2.40.13-3                       | amd64 | SAX-based                       |
| ii libsync1:amd64 algorithm library                                    | 0.9.7-10                        | amd64 | rsync remote-delta              |
| ii librtmp1:amd64 RTMP streams (shared library)                        | 2.4+20151223.gitfa8646d-1build1 | amd64 | toolkit for                     |
| ii libruby2.3:amd64 run Ruby 2.3                                       | 2.3.1-2~16.04                   | amd64 | Libraries necessary to          |
| ii libsamplerate0:amd64 conversion library                             | 0.1.8-8                         | amd64 | Audio sample rate               |
| ii libsamplerate0:i386 rate conversion library                         | 0.1.8-8                         | i386  | Audio sample                    |
| ii libsane:amd64 scanners                                              | 1.0.26-git20160712-xenial0      | amd64 | API library for                 |
| ii libsane-common scanners -- documentation and support files          | 1.0.26-git20160712-xenial0      | amd64 | API library for                 |
| ii libsane-hpaio:amd64 for multi-function peripherals                  | 3.16.3+repack0-1                | amd64 | HP SANE backend                 |
| ii libsasl2-2:amd64 authentication abstraction library                 | 2.1.26.dfsg1-14build1           | amd64 | Cyrus SASL -                    |
| ii libsasl2-modules:amd64 pluggable authentication modules             | 2.1.26.dfsg1-14build1           | amd64 | Cyrus SASL -                    |
| ii libsasl2-modules-db:amd64                                           | 2.1.26.dfsg1-14build1           | amd64 | Cyrus                           |

|                                              |                                          |                                |       |                                                           |
|----------------------------------------------|------------------------------------------|--------------------------------|-------|-----------------------------------------------------------|
| SASL - pluggable authentication modules (DB) |                                          |                                |       |                                                           |
| ii                                           | libsbc1:amd64                            | 1.3-1                          | amd64 | Sub Band CODEC library                                    |
|                                              | - runtime                                |                                |       |                                                           |
| ii                                           | libschroedinger-1.0-0:amd64              | 1.0.11-2.1build1               | amd64 | library for                                               |
|                                              | encoding/decoding of Dirac video streams |                                |       |                                                           |
| ii                                           | libsd11.2debian:amd64                    | 1.2.15+dfsg1-3                 | amd64 | Simple                                                    |
|                                              | DirectMedia Layer                        |                                |       |                                                           |
| ii                                           | libseccomp2:amd64                        | 2.2.3-3ubuntu3                 | amd64 | high level interface                                      |
|                                              | to Linux seccomp filter                  |                                |       |                                                           |
| ii                                           | libsecret-1-0:amd64                      | 0.18.4-1ubuntu2                | amd64 | Secret store                                              |
| ii                                           | libsecret-1-0:i386                       | 0.18.4-1ubuntu2                | i386  | Secret store                                              |
| ii                                           | libsecret-common                         | 0.18.4-1ubuntu2                | all   | Secret store (common files)                               |
| ii                                           | libselinux1:amd64                        | 2.4-3build2                    | amd64 | SELinux runtime                                           |
|                                              | shared libraries                         |                                |       |                                                           |
| ii                                           | libselinux1:i386                         | 2.4-3build2                    | i386  | SELinux runtime shared                                    |
|                                              | libraries                                |                                |       |                                                           |
| ii                                           | libsemanage-common                       | 2.3-1build3                    | all   | Common files for                                          |
|                                              | SELinux policy management libraries      |                                |       |                                                           |
| ii                                           | libsemanage1:amd64                       | 2.3-1build3                    | amd64 | SELinux policy                                            |
|                                              | management library                       |                                |       |                                                           |
| ii                                           | libsensors4:amd64                        | 1:3.4.0-2                      | amd64 | library to read                                           |
|                                              | temperature/voltage/fan sensors          |                                |       |                                                           |
| ii                                           | libsepol1:amd64                          | 2.4-2                          | amd64 | SELinux library for manipulating binary security policies |
| ii                                           | libservlet2.5-java                       | 6.0.45+dfsg-1                  | all   | Servlet 2.5 and JSP 2.1                                   |
|                                              | Java API classes                         |                                |       |                                                           |
| ii                                           | libservlet3.1-java                       | 8.0.32-1ubuntu1.3              | all   | Servlet 3.1, JSP 2.3, EL                                  |
|                                              | 3.0 and WebSocket 1.0 Java API classes   |                                |       |                                                           |
| ii                                           | libsgutils2-2                            | 1.40-0ubuntu1                  | amd64 | utilities for devices using                               |
|                                              | the SCSI command set (shared libraries)  |                                |       |                                                           |
| ii                                           | libshine3:amd64                          | 3.1.0-4                        | amd64 | Fixed-point MP3                                           |
|                                              | encoding library - runtime files         |                                |       |                                                           |
| ii                                           | libshout3:amd64                          | 2.3.1-3                        | amd64 | MP3/Ogg Vorbis                                            |
|                                              | broadcast streaming library              |                                |       |                                                           |
| ii                                           | libshout3:i386                           | 2.3.1-3                        | i386  | MP3/Ogg Vorbis broadcast streaming library                |
| ii                                           | libsidplay1v5                            | 1.36.59-8                      | amd64 | SID (MOS 6581)                                            |
|                                              | emulation library                        |                                |       |                                                           |
| ii                                           | libsigc++-2.0-0v5:amd64                  | 2.6.2-1                        | amd64 | type-safe Signal                                          |
|                                              | Framework for C++ - runtime              |                                |       |                                                           |
| ii                                           | libsignon-extension1:amd64               | 8.58+16.04.20151106-0ubuntu1   | amd64 | Single                                                    |
|                                              | Sign On framework                        |                                |       |                                                           |
| ii                                           | libsignon-glib1:amd64                    | 1.13+16.04.20151209.1-0ubuntu1 | amd64 | library for                                               |
|                                              | signond                                  |                                |       |                                                           |
| ii                                           | libsignon-plugins-common1:amd64          | 8.58+16.04.20151106-0ubuntu1   | amd64 |                                                           |
|                                              | Single Sign On framework                 |                                |       |                                                           |
| ii                                           | libsignon-qt5-1:amd64                    | 8.58+16.04.20151106-0ubuntu1   |       |                                                           |

|    |                          |                                |       |                                                             |
|----|--------------------------|--------------------------------|-------|-------------------------------------------------------------|
|    | amd64                    | Single Sign On framework       |       |                                                             |
| ii | libsigsegv2:amd64        | 2.10-4                         | amd64 | Library for handling page faults in a portable way          |
| ii | libsisu-inject-java      | 0.3.2-1                        | all   | Dependency Injection container for Java                     |
| ii | libsisu-plexus-java      | 0.3.2-1                        | all   | Plexus adapter for the Sisu dependency injection container  |
| ii | libslang2:amd64          | 2.3.0-2ubuntu1                 | amd64 | S-Lang programming library - runtime version                |
| ii | libslang2:i386           | 2.3.0-2ubuntu1                 | i386  | S-Lang programming library - runtime version                |
| ii | libslf4j-java            | 1.7.14-3                       |       |                                                             |
|    | all                      | Simple Logging Facade for Java |       |                                                             |
| ii | libsm-dev:amd64          | 2:1.2.2-1                      | amd64 | X11 Session Management library (development headers)        |
| ii | libsm6:amd64             | 2:1.2.2-1                      | amd64 | X11 Session Management library                              |
| ii | libsm6:i386              | 2:1.2.2-1                      | i386  | X11 Session Management library                              |
| ii | libsmartcols1:amd64      | 2.27.1-6ubuntu3.2              | amd64 | smart column output alignment library                       |
| ii | libsmbclient:amd64       | 2:4.3.11+dfsg-0ubuntu0.16.04.3 | amd64 | shared library for communication with SMB/CIFS servers      |
| ii | libsnapd-glib1:amd64     | 1.2-0ubuntu1.1~xenial          |       |                                                             |
|    | amd64                    | GLib snapd library             |       |                                                             |
| ii | libsnappy1v5:amd64       | 1.1.3-2                        | amd64 | fast compression/decompression library                      |
| ii | libsndfile1:amd64        | 1.0.25-10                      | amd64 | Library for reading/writing audio files                     |
| ii | libsndfile1:i386         | 1.0.25-10                      | i386  | Library for reading/writing audio files                     |
| ii | libsnmp-base             | 5.7.3+dfsg-1ubuntu4            | all   | SNMP configuration script, MIBs and documentation           |
| ii | libsnmp30:amd64          | 5.7.3+dfsg-1ubuntu4            | amd64 | SNMP (Simple Network Management Protocol) library           |
| ii | libsocket6-perl          | 0.25-1build2                   | amd64 | Perl extensions for IPv6                                    |
| ii | libsodium18:amd64        | 1.0.8-5                        | amd64 | Network communication, cryptography and signaturing library |
| ii | libsonic0:amd64          | 0.2.0-3                        | amd64 | Simple library to speed up or slow down speech              |
| ii | libsoundtouch1:amd64     | 1.9.2-2                        | amd64 | Sound stretching library                                    |
| ii | libsoup-gnome2.4-1:amd64 | 2.52.2-1ubuntu0.1              | amd64 | HTTP library implementation in C -- GNOME support library   |
| ii | libsoup2.4-1:amd64       | 2.52.2-1ubuntu0.1              | amd64 | HTTP library implementation in C -- Shared library          |
| ii | libsoup2.4-1:i386        | 2.52.2-1ubuntu0.1              | i386  |                                                             |

HTTP library implementation in C -- Shared library

|                                                           |                                |       |                                                      |
|-----------------------------------------------------------|--------------------------------|-------|------------------------------------------------------|
| ii libsoxr0:amd64                                         | 0.1.2-1                        | amd64 | High quality 1D sample-                              |
| rate conversion library                                   |                                |       |                                                      |
| ii libspandsp2:amd64                                      | 0.0.6-2.1                      | amd64 | Telephony signal                                     |
| processing library                                        |                                |       |                                                      |
| ii libspectre1:amd64                                      | 0.2.7-3ubuntu2                 | amd64 | Library for rendering                                |
| PostScript documents                                      |                                |       |                                                      |
| ii libspeechd2:amd64                                      | 0.8.3-1ubuntu3                 | amd64 | Speech Dispatcher:                                   |
| Shared libraries                                          |                                |       |                                                      |
| ii libspeex1:amd64                                        | 1.2~rc1.2-1ubuntu1             | amd64 | The Speex codec                                      |
| runtime library                                           |                                |       |                                                      |
| ii libspeex1:i386                                         | 1.2~rc1.2-1ubuntu1             | i386  | The Speex codec                                      |
| runtime library                                           |                                |       |                                                      |
| ii libspeexdsp1:amd64                                     | 1.2~rc1.2-1ubuntu1             | amd64 | The Speex                                            |
| extended runtime library                                  |                                |       |                                                      |
| ii libspeexdsp1:i386                                      | 1.2~rc1.2-1ubuntu1             | i386  | The Speex extended                                   |
| runtime library                                           |                                |       |                                                      |
| ii libsqlite3-0:amd64                                     | 3.11.0-1ubuntu1                | amd64 | SQLite 3 shared                                      |
| library                                                   |                                |       |                                                      |
| ii libsqlite3-0:i386                                      | 3.11.0-1ubuntu1                | i386  | SQLite 3 shared library                              |
| ii libsrtp0                                               | 1.4.5~20130609~dfsg-1.1ubuntu1 | amd64 | Secure RTP                                           |
| (SRTP) and UST Reference Implementations - shared library |                                |       |                                                      |
| ii libss2:amd64                                           | 1.42.13-1ubuntu1               | amd64 | command-line                                         |
| interface parsing library                                 |                                |       |                                                      |
| ii libssh-4:amd64                                         | 0.6.3-4.3                      | amd64 | tiny C SSH library (OpenSSL flavor)                  |
|                                                           |                                |       |                                                      |
| ii libssh-gcrypt-4:amd64                                  | 0.6.3-4.3                      | amd64 | tiny C SSH library                                   |
| (gcrypt flavor)                                           |                                |       |                                                      |
| ii libssl-dev:amd64                                       | 1.0.2g-1ubuntu4.6              | amd64 | Secure Sockets                                       |
| Layer toolkit - development files                         |                                |       |                                                      |
| ii libssl-doc                                             | 1.0.2g-1ubuntu4.6              | all   | Secure Sockets Layer                                 |
| toolkit - development documentation                       |                                |       |                                                      |
| ii libssl1.0.0:amd64                                      | 1.0.2g-1ubuntu4.6              | amd64 | Secure Sockets                                       |
| Layer toolkit - shared libraries                          |                                |       |                                                      |
| ii libssl1.0.0:i386                                       | 1.0.2g-1ubuntu4.6              | i386  | Secure Sockets Layer                                 |
| toolkit - shared libraries                                |                                |       |                                                      |
| ii libstartup-notification0:amd64                         | 0.12-4build1                   | amd64 | library for program launch feedback (shared library) |
|                                                           |                                |       |                                                      |
| ii libstdc++-4.9-dev:amd64                                | 4.9.3-13ubuntu2                | amd64 | GNU Standard                                         |
| C++ Library v3 (development files)                        |                                |       |                                                      |
| ii libstdc++-5-dev:amd64                                  | 5.4.0-6ubuntu1~16.04.4         | amd64 | GNU Standard                                         |
| C++ Library v3 (development files)                        |                                |       |                                                      |
| ii libstdc++6:amd64                                       | 5.4.0-6ubuntu1~16.04.4         | amd64 | GNU Standard                                         |
| C++ Library v3                                            |                                |       |                                                      |
| ii libstdc++6:i386                                        | 5.4.0-6ubuntu1~16.04.4         | i386  | GNU Standard C++                                     |
| Library v3                                                |                                |       |                                                      |
| ii libsub-name-perl                                       | 0.14-1build1                   | amd64 | module for assigning a                               |
| new name to referenced sub                                |                                |       |                                                      |

|    |                                 |                           |       |                                                                              |
|----|---------------------------------|---------------------------|-------|------------------------------------------------------------------------------|
| ii | libsuitesparseconfig4.4.6:amd64 | 1:4.4.6-1                 | amd64 | configuration routines for all SuiteSparse modules                           |
| ii | libswresample-dev:amd64         | 7:2.8.10-0ubuntu0.16.04.1 | amd64 | FFmpeg library for audio resampling, rematrixing etc. - development files    |
| ii | libswresample-ffmpeg1:amd64     | 7:2.8.10-0ubuntu0.16.04.1 | amd64 | FFmpeg library for audio resampling, rematrixing etc. - runtime files        |
| ii | libswscale-dev:amd64            | 7:2.8.10-0ubuntu0.16.04.1 | amd64 | FFmpeg library for image scaling and various conversions - development files |
| ii | libswscale-ffmpeg3:amd64        | 7:2.8.10-0ubuntu0.16.04.1 | amd64 | FFmpeg library for image scaling and various conversions - runtime files     |
| ii | libsyntax1:amd64                | 2015.20160222.37495-1     | amd64 | TeX Live: SyncTeX parser library                                             |
| ii | libsys-hostname-long-perl       | 1.5-1                     | all   | Figure out the long (fully-qualified) hostname                               |
| ii | libsystemd0:amd64               | 229-4ubuntu16             | amd64 | systemd utility library                                                      |
| ii | libsystemd0:i386                | 229-4ubuntu16             | i386  | systemd utility library                                                      |
| ii | libtablelayout-java             | 20090826-2                | all   | Java layout manager for creating user interfaces fast and easy               |
| ii | libtag1v5:amd64                 | 1.9.1-2.4ubuntu1          | amd64 | audio meta-data library                                                      |
| ii | libtag1v5:i386                  | 1.9.1-2.4ubuntu1          | i386  | audio meta-data library                                                      |
| ii | libtag1v5-vanilla:amd64         | 1.9.1-2.4ubuntu1          | amd64 | audio meta-data library - vanilla flavour                                    |
| ii | libtag1v5-vanilla:i386          | 1.9.1-2.4ubuntu1          | i386  | audio meta-data library - vanilla flavour                                    |
| ii | libtalloc2:amd64                | 2.1.5-2                   | amd64 | hierarchical pool based memory allocator                                     |
| ii | libtasn1-6:amd64                | 4.7-3ubuntu0.16.04.1      | amd64 | Manage ASN.1 structures (runtime)                                            |
| ii | libtasn1-6:i386                 | 4.7-3ubuntu0.16.04.1      | i386  | Manage ASN.1 structures (runtime)                                            |
| ii | libtbb2:amd64                   | 4.4~20151115-0ubuntu3     | amd64 | parallelism library for C++ - runtime files                                  |
| ii | libtcl8.6:amd64                 | 8.6.5+dfsg-2              | amd64 | Tcl (the Tool Command Language) v8.6 - run-time library files                |
| ii | libtdb1:amd64                   | 1.3.8-2                   | amd64 | Trivial Database - shared library                                            |
| ii | libtelepathy-glib0:amd64        | 0.24.1-1.1                | amd64 | Telepathy framework - GLib library                                           |
| ii | libevent0:amd64                 | 0.9.28-0ubuntu0.16.04.1   | amd64 | talloc-based event loop library - shared library                             |
| ii | libtexlua52:amd64               | 2015.20160222.37495-1     | amd64 | TeX Live: Lua 5.2, modified for use with LuaTeX                              |
| ii | libtexluajit2:amd64             | 2015.20160222.37495-1     | amd64 | TeX Live: LuaJIT,                                                            |



|                                                                     |                       |       |                                       |
|---------------------------------------------------------------------|-----------------------|-------|---------------------------------------|
| modified for use with LuaJITTeX                                     |                       |       |                                       |
| ii libtext-charwidth-perl<br>characters on the terminal             | 0.04-7build5          | amd64 | get display widths of                 |
| ii libtext-iconv-perl<br>character sets in Perl                     | 1.7-5build4           | amd64 | converts between                      |
| ii libtext-levenshtein-perl<br>Levenshtein edit distance            | 0.13-1                | all   | implementation of the                 |
| ii libtext-wrapi18n-perl<br>of Text::Wrap                           | 0.06-7.1              | all   | internationalized substitute          |
| ii libthai-data<br>support library                                  | 0.1.24-2              | all   | Data files for Thai language          |
| ii libthai0:amd64<br>Thai language support library                  | 0.1.24-2              | amd64 |                                       |
| ii libthai0:i386                                                    | 0.1.24-2              | i386  | Thai language support library         |
| ii libtheora0:amd64<br>Compression Codec                            | 1.1.1+dfsg.1-8        | amd64 | Theora Video                          |
| ii libtheora0:i386<br>Compression Codec                             | 1.1.1+dfsg.1-8        | i386  | Theora Video                          |
| ii libtie-ixhash-perl<br>associative arrays                         | 1.23-2                | all   | Perl module to order                  |
| ii libtiff5:amd64<br>(TIFF) library                                 | 4.0.6-1               | amd64 | Tag Image File Format                 |
| ii libtiff5:i386<br>library                                         | 4.0.6-1               | i386  | Tag Image File Format (TIFF)          |
| ii libtiff5-dev:amd64<br>development files                          | 4.0.6-1               | amd64 | Tag Image File Format library (TIFF), |
| ii libtiffxx5:amd64<br>(TIFF) library -- C++ interface              | 4.0.6-1               | amd64 | Tag Image File Format                 |
| ii libtimedate-perl<br>manipulate date/time information             | 2.3000-2              | all   | collection of modules to              |
| ii libtimezonemap-data<br>widget - data files                       | 0.4.5                 | all   | GTK+3 timezone map                    |
| ii libtimezonemap1:amd64<br>widget                                  | 0.4.5                 | amd64 | GTK+3 timezone map                    |
| ii libtinfo-dev:amd64<br>library for the low-level terminfo library | 6.0+20160213-1ubuntu1 | amd64 | developer's                           |
| ii libtinfo5:amd64<br>terminfo library for terminal handling        | 6.0+20160213-1ubuntu1 | amd64 | shared low-level                      |
| ii libtinfo5:i386<br>terminfo library for terminal handling         | 6.0+20160213-1ubuntu1 | i386  | shared low-level                      |
| ii libtk8.6:amd64<br>v8.6 - run-time files                          | 8.6.5-1               | amd64 | Tk toolkit for Tcl and X11            |
| ii libtotem-plparser-common<br>Parser library - common files        | 3.10.6-1ubuntu1       | all   | Totem Playlist                        |
| ii libtotem-plparser18:amd64<br>Parser library - runtime files      | 3.10.6-1ubuntu1       | amd64 | Totem Playlist                        |

|                                                                                        |                                      |       |                                                   |
|----------------------------------------------------------------------------------------|--------------------------------------|-------|---------------------------------------------------|
| ii libtotem0:amd64<br>for the Totem media player                                       | 3.18.1-1ubuntu4                      | amd64 | Main library                                      |
| ii libtracker-sparql-1.0-0:amd64<br>database, indexer and search tool - library        | 1.6.2-0ubuntu1.1                     | amd64 | metadata                                          |
| ii libtsan0:amd64<br>a Valgrind-based detector of data races (runtime)                 | 5.4.0-6ubuntu1~16.04.4               | amd64 | ThreadSanitizer --                                |
| ii libtwolame0:amd64<br>encoding library                                               | 0.3.13-1.2                           | amd64 | MPEG Audio Layer 2                                |
| ii libtxc-dxtn-s2tc0:amd64<br>compression library for Mesa                             | 0~git20131104-1.1                    | amd64 | Texture                                           |
| ii libtxc-dxtn-s2tc0:i386<br>compression library for Mesa                              | 0~git20131104-1.1                    | i386  | Texture                                           |
| ii libubsan0:amd64<br>UBSan -- undefined behaviour sanitizer (runtime)                 | 5.4.0-6ubuntu1~16.04.4               | amd64 |                                                   |
| ii libubuntugestures5:amd64<br>gestures library for Ubuntu UI Toolkit                  | 1.3.1918+16.04.20160404-0ubuntu1     | amd64 | Ubuntu                                            |
| ii libubuntutoolkit5:amd64<br>toolkit common library for Ubuntu UI Toolkit             | 1.3.1918+16.04.20160404-0ubuntu1     | amd64 | Ubuntu                                            |
| ii libudev1:amd64<br>library                                                           | 229-4ubuntu16                        | amd64 | libudev shared                                    |
| ii libudev1:i386                                                                       | 229-4ubuntu16                        | i386  | libudev shared library                            |
| ii libudisks2-0:amd64<br>library to access udisks2                                     | 2.1.7-1ubuntu1                       | amd64 | GObject based                                     |
| ii libunistring0:amd64<br>library for<br>C                                             | 0.9.3-5.2ubuntu1                     | amd64 | Unicode string                                    |
| ii libunity-action-qt1:amd64<br>Action Qt API                                          | 1.1.0+14.04.20140304-0ubuntu2~gcc5.1 | amd64 | Unity                                             |
| ii libunity-control-center1<br>configure the GNOME desktop                             | 15.04.0+16.04.20160705-0ubuntu1      | amd64 | utilities to                                      |
| ii libunity-core-6.0-9:amd64<br>library for the Unity interface                        | 7.4.0+16.04.20160906-0ubuntu1        | amd64 | core                                              |
| ii libunity-gtk2-parser0:amd64<br>GtkMenuShell to GMenuModel parser                    | 0.0.0+15.04.20150118-0ubuntu2        | amd64 |                                                   |
| ii libunity-gtk3-parser0:amd64<br>GtkMenuShell to GMenuModel parser                    | 0.0.0+15.04.20150118-0ubuntu2        | amd64 |                                                   |
| ii libunity-misc4<br>functions for Unity - shared library                              | 4.0.5+14.04.20140115-0ubuntu1        | amd64 | Miscellaneous                                     |
| ii libunity-protocol-private0:amd64<br>library                                         | 7.1.4+16.04.20160701-0ubuntu1        | amd64 | binding to get places into the launcher - private |
| ii libunity-scopes-json-def-desktop<br>get places into the launcher - desktop def file | 7.1.4+16.04.20160701-0ubuntu1        | all   | binding to                                        |
| ii libunity-settings-daemon1:amd64<br>Helper library for accessing settings            | 15.04.1+16.04.20160701-0ubuntu1      | amd64 |                                                   |
| ii libunity-webapps0:amd64<br>Apps integration with the Unity desktop                  | 2.5.0~+16.04.20160201-0ubuntu1       | amd64 | Web                                               |
| ii libunity9:amd64                                                                     | 7.1.4+16.04.20160701-0ubuntu1        | amd64 | binding to get                                    |

|                                                                               |                             |       |                                 |
|-------------------------------------------------------------------------------|-----------------------------|-------|---------------------------------|
| places into the launcher - shared library                                     |                             |       |                                 |
| ii libunwind8<br>call-chain of a program<br>- runtime                         | 1.1-4.1                     | amd64 | library to determine the        |
| ii libupower-glib3:amd64<br>power management - shared library                 | 0.99.4-2ubuntu0.3           | amd64 | abstraction for                 |
| ii liburi-perl<br>URI strings                                                 | 1.71-1                      | all   | module to manipulate and access |
| ii liburl-dispatcher1:amd64<br>sending requests to the url dispatcher         | 0.1+16.04.20151110-0ubuntu2 | amd64 | library for                     |
| ii libusb-0.1-4:amd64<br>programming library                                  | 2:0.1.12-28                 | amd64 | userspace USB                   |
| ii libusb-1.0-0:amd64<br>programming library                                  | 2:1.0.20-1                  | amd64 | userspace USB                   |
| ii libusbmuxd4:amd64<br>daemon for iPhone and iPod<br>Touch devices - library | 1.0.10-2ubuntu0.1           | amd64 | USB multiplexor                 |
| ii libustr-1.0-1:amd64<br>shared library                                      | 1.0.4-5                     | amd64 | Micro string library:           |
| ii libutempter0:amd64<br>utmp/wtmp updates (runtime)                          | 1.1.6-3                     | amd64 | privileged helper for           |
| ii libuuid-perl<br>UUID interfaces as defined in e2fsprogs                    | 0.24-1build1                | amd64 | Perl extension for using        |
| ii libuuid1:amd64<br>ID library                                               | 2.27.1-6ubuntu3.2           | amd64 | Universally Unique              |
| ii libuuid1:i386<br>library                                                   | 2.27.1-6ubuntu3.2           | i386  | Universally Unique ID           |
| ii libuv1:amd64<br>notification<br>library - runtime library                  | 1.8.0-1                     | amd64 | asynchronous event              |
| ii libuv1-dev:amd64<br>notification library - development files               | 1.8.0-1                     | amd64 | asynchronous event              |
| ii libv4l-0:amd64<br>support libraries                                        | 1.10.0-1                    | amd64 | Collection of video4linux       |
| ii libv4l-0:i386<br>support libraries                                         | 1.10.0-1                    | i386  | Collection of video4linux       |
| ii libv4lconvert0:amd64<br>format conversion library                          | 1.10.0-1                    | amd64 | Video4linux frame               |
| ii libv4lconvert0:i386<br>conversion library                                  | 1.10.0-1                    | i386  | Video4linux frame format        |
| ii libva1:amd64<br>Video Acceleration (VA) API for Linux -- runtime           | 1.7.0-1                     | amd64 |                                 |
| ii libvdpau1:amd64<br>Presentation API for Unix (libraries)                   | 1.1.1-3ubuntu1              | amd64 | Video Decode and                |
| ii libvisio-0.1-1:amd64<br>the visio file structure                           | 0.1.5-1ubuntu1              | amd64 | library for parsing             |
| ii libvisual-0.4-0:amd64<br>framework                                         | 0.4.0-8                     | amd64 | audio visualization             |

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|--------------------------------------------------------------------------------------------|------------------------------|-------|----------------------------------------------------|
| ii libvisual-0.4.0:i386<br>framework                                                       | 0.4.0-8                      | i386  | audio visualization                                |
| ii libvncclient1:amd64<br>one's own VNC server - client library                            | 0.9.10+dfsg-3ubuntu0.16.04.1 | amd64 | API to write                                       |
| ii libvo-aacenc0:amd64<br>VisualOn AAC encoder library                                     | 0.1.3-1                      | amd64 |                                                    |
| ii libvo-amrwbenc0:amd64<br>encoder library                                                | 0.1.3-1                      | amd64 | VisualOn AMR-WB                                    |
| ii libvorbis0a:amd64<br>Vorbis General Audio Compression Codec                             | 1.3.5-3                      | amd64 | decoder library for                                |
| ii libvorbis0a:i386<br>General Audio Compression Codec                                     | 1.3.5-3                      | i386  | decoder library for Vorbis                         |
| ii libvorbisenc2:amd64<br>Vorbis General Audio Compression Codec                           | 1.3.5-3                      | amd64 | encoder library for                                |
| ii libvorbisenc2:i386<br>General Audio Compression Codec                                   | 1.3.5-3                      | i386  | encoder library for Vorbis                         |
| ii libvorbisfile3:amd64<br>amd64 high-level API for Vorbis General Audio Compression Codec | 1.3.5-3                      |       |                                                    |
| ii libvpx3:amd64<br>codec (shared library)                                                 | 1.5.0-2ubuntu1               | amd64 | VP8 and VP9 video                                  |
| ii libvpx3:i386<br>codec (shared library)                                                  | 1.5.0-2ubuntu1               | i386  | VP8 and VP9 video                                  |
| ii libvte-2.91-0:amd64<br>widget for GTK+ 3.0 - runtime files                              | 0.42.5-1ubuntu1              | amd64 | Terminal emulator                                  |
| ii libvte-2.91-common<br>widget for GTK+ 3.0 - common files                                | 0.42.5-1ubuntu1              | all   | Terminal emulator                                  |
| ii libwacom-bin<br>query library -- binaries                                               | 0.18-1                       | amd64 | Wacom model feature                                |
| ii libwacom-common<br>0.18-1                                                               |                              | all   | Wacom model feature query library (common files)   |
| ii libwacom2:amd64<br>query library                                                        | 0.18-1                       | amd64 | Wacom model feature                                |
| ii libwagon-java<br>artifacts and deployment                                               | 1.0.0-7                      | all   | tools to manage Maven                              |
| ii libwagon2-java<br>abstraction that is used in Maven                                     | 2.10-3                       | all   | resources' transport                               |
| ii libwavpack1:amd64<br>lossless) - library                                                | 4.75.2-2                     | amd64 | audio codec (lossy and                             |
| ii libwavpack1:i386<br>lossless) - library                                                 | 4.75.2-2                     | i386  | audio codec (lossy and                             |
| ii libwayland-client0:amd64<br>1.9.0-1                                                     |                              | amd64 | wayland compositor infrastructure - client library |
| ii libwayland-client0:i386<br>infrastructure - client library                              | 1.9.0-1                      | i386  | wayland compositor                                 |
| ii libwayland-cursor0:amd64<br>infrastructure - cursor library                             | 1.9.0-1                      | amd64 | wayland compositor                                 |
| ii libwayland-egl1-mesa:amd64<br>implementation of the Wayland EGL platform -- runtime     | 11.2.0-1ubuntu2.2            | amd64 |                                                    |

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|----------------------------------------------------------------------------------------------|--------------------------------------------|-------|------------------------------|
| ii libwayland-server0:amd64<br>infrastructure - server library                               | 1.9.0-1                                    | amd64 | wayland compositor           |
| ii libwayland-server0:i386<br>infrastructure - server library                                | 1.9.0-1                                    | i386  | wayland compositor           |
| ii libwbclient0:amd64<br>winbind client library                                              | 2:4.3.11+dfsg-0ubuntu0.16.04.3             | amd64 | Samba                        |
| ii libwebkit2gtk-4.0-37:amd64<br>engine library for GTK+                                     | 2.14.3-0ubuntu0.16.04.1                    | amd64 | Web content                  |
| ii libwebkit2gtk-4.0-37-gtk2:amd64<br>content engine library for GTK+ - GTK+2 plugin process | 2.14.3-0ubuntu0.16.04.1                    | amd64 | Web                          |
| ii libwebkitgtk-1.0-0:i386<br>library for GTK+                                               | 2.4.11-0ubuntu0.1                          | i386  | Web content engine           |
| ii libwebkitgtk-1.0-common<br>engine library for GTK+ - data files                           | 2.4.11-0ubuntu0.1                          | all   | Web content                  |
| ii libwebp5:amd64<br>digital photographic images.                                            | 0.4.4-1                                    | amd64 | Lossy compression of         |
| ii libwebp5:i386<br>photographic images.                                                     | 0.4.4-1                                    | i386  | Lossy compression of digital |
| ii libwebpmux1:amd64<br>digital photographic images.                                         | 0.4.4-1                                    | amd64 | Lossy compression of         |
| ii libwebrtc-audio-processing-0:amd64<br>AudioProcessing module from the WebRTC project.     | 0.1-3ubuntu1~gcc5.1                        | amd64 |                              |
| ii libwhoopsie-preferences0<br>submission settings - shared library                          | 0.18                                       | amd64 | Ubuntu error tracker         |
| ii libwhoopsie0:amd64<br>submission - shared library                                         | 0.2.52.2                                   | amd64 | Ubuntu error tracker         |
| ii libwildmidi-config<br>MIDI player configuration                                           | 0.3.8-2                                    | all   | software                     |
| ii libwildmidi1:amd64<br>library                                                             | 0.3.8-2                                    | amd64 | software MIDI player         |
| ii libwind0-heimdal:amd64<br>Kerberos - stringprep implementation                            | 1.7~git20150920+dfsg-4ubuntu1              | amd64 | Heimdal                      |
| ii libwinpr-crt0.1:amd64<br>Windows Portable Runtime library (crt library)                   | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 |                              |
| ii libwinpr-dsparse0.1:amd64<br>Windows Portable Runtime library (dsparse library)           | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 |                              |
| ii libwinpr-environment0.1:amd64<br>Windows Portable Runtime library (environment library)   | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 |                              |
| ii libwinpr-file0.1:amd64<br>Windows<br>Portable Runtime library (file library)              | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 |                              |
| ii libwinpr-handle0.1:amd64<br>Windows Portable Runtime library (handle library)             | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 |                              |
| ii libwinpr-heap0.1:amd64<br>Windows Portable Runtime library (heap library)                 | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 |                              |
| ii libwinpr-input0.1:amd64                                                                   | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 |                              |

Windows Portable Runtime library (input library)

ii libwinpr-interlocked0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (interlocked library)

ii libwinpr-library0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (library)

ii libwinpr-path0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1  
amd64 Windows Portable Runtime library (path library)

ii libwinpr-pool0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (pool library)

ii libwinpr-registry0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (registry library)

ii libwinpr-rpc0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (RPC library)

ii libwinpr-sspi0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (sspi library)

ii libwinpr-synch0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (synch library)

ii libwinpr-sysinfo0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1  
amd64 Windows Portable Runtime library (sysinfo library)

ii libwinpr-thread0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (thread library)

ii libwinpr-utils0.1:amd64 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 amd64

Windows Portable Runtime library (utils library)

ii libwmf0.2-7:amd64 0.2.8.4-10.5ubuntu1 amd64 Windows metafile  
conversion library

ii libwmf0.2-7-gtk 0.2.8.4-10.5ubuntu1 amd64 Windows metafile  
conversion library

ii libwnck-3-0:amd64 3.14.1-2 amd64 Window Navigator

Construction Kit - runtime files

ii libwnck-3-common 3.14.1-2 all Window Navigator Construction Kit - common files

ii libwpd-0.10-10:amd64 0.10.1-1ubuntu1 amd64 Library for  
handling WordPerfect documents (shared library)

ii libwpg-0.3-3:amd64 0.3.1-1ubuntu1 amd64 WordPerfect  
graphics import/convert library (shared library)

ii libwps-0.4-4:amd64 0.4.3-1ubuntu1 amd64 Works text file  
format import filter library (shared library)

ii libwrap0:amd64 7.6.q-25 amd64 Wietse Venema's TCP  
wrappers library

ii libwrap0:i386 7.6.q-25 i386 Wietse Venema's TCP  
wrappers library

ii libwww-perl 6.15-1 all simple and consistent interface to the world-  
wide web

ii libwww-robotrules-perl 6.01-1 all database of robots.txt-  
derived permissions

ii libx11-6:amd64 2:1.6.3-1ubuntu2 amd64 X11 client-side  
library

|                                                                    |                           |       |                                                     |
|--------------------------------------------------------------------|---------------------------|-------|-----------------------------------------------------|
| ii libx11-6:i386                                                   | 2:1.6.3-1ubuntu2          | i386  | X11 client-side library                             |
| ii libx11-data                                                     | 2:1.6.3-1ubuntu2          | all   | X11 client-side library                             |
| ii libx11-dev:amd64<br>library (development headers)               | 2:1.6.3-1ubuntu2          | amd64 | X11 client-side                                     |
| ii libx11-doc<br>2:1.6.3-1ubuntu2                                  | all                       |       | X11 client-side library (development documentation) |
| ii libx11-protocol-perl<br>Window System Protocol, version 11      | 0.56-7                    | all   | Perl module for the X                               |
| ii libx11-xcb-dev:amd64<br>interface library (development headers) | 2:1.6.3-1ubuntu2          | amd64 | Xlib/XCB                                            |
| ii libx11-xcb1:amd64<br>library                                    | 2:1.6.3-1ubuntu2          | amd64 | Xlib/XCB interface                                  |
| ii libx11-xcb1:i386<br>library                                     | 2:1.6.3-1ubuntu2          | i386  | Xlib/XCB interface                                  |
| ii libx264-148:amd64<br>coding library                             | 2:0.148.2643+git5c65704-1 | amd64 | x264 video                                          |
| ii libx265-79:amd64<br>amd64                                       | 1.9-3                     |       | H.265/HEVC video stream encoder (shared library)    |
| ii libx86-1:amd64                                                  | 1.1+ds1-10                | amd64 | x86 real-mode library                               |
| ii libxalan2-java<br>processor in Java                             | 2.7.1-9                   | all   | XSL Transformations (XSLT)                          |
| ii libxapian22v5:amd64                                             | 1.2.22-2                  | amd64 | Search engine library                               |
| ii libxatracker2:amd64<br>library -- runtime                       | 11.2.0-1ubuntu2.2         | amd64 | X acceleration                                      |
| ii libxau-dev:amd64<br>library (development headers)               | 1:1.0.8-1                 | amd64 | X11 authorisation                                   |
| ii libxau6:amd64<br>authorisation library                          | 1:1.0.8-1                 | amd64 | X11                                                 |
| ii libxau6:i386                                                    | 1:1.0.8-1                 | i386  | X11 authorisation library                           |
| ii libxaw7:amd64<br>library                                        | 2:1.0.13-1                | amd64 | X11 Athena Widget                                   |
| ii libxbean-java<br>server                                         | 4.5-1                     | all   | plugin based Java application                       |
| ii libxcb-dri2-0:amd64<br>extension                                | 1.11.1-1ubuntu1           | amd64 | X C Binding, dri2                                   |
| ii libxcb-dri2-0:i386<br>extension                                 | 1.11.1-1ubuntu1           | i386  | X C Binding, dri2                                   |
| ii libxcb-dri2-0-dev:amd64<br>extension, development files         | 1.11.1-1ubuntu1           | amd64 | X C Binding, dri2                                   |
| ii libxcb-dri3-0:amd64<br>1.11.1-1ubuntu1                          | amd64                     |       | X C Binding, dri3 extension                         |
| ii libxcb-dri3-0:i386<br>extension                                 | 1.11.1-1ubuntu1           | i386  | X C Binding, dri3                                   |
| ii libxcb-dri3-dev:amd64<br>extension, development files           | 1.11.1-1ubuntu1           | amd64 | X C Binding, dri3                                   |
| ii libxcb-glx0:amd64<br>extension                                  | 1.11.1-1ubuntu1           | amd64 | X C Binding, glx                                    |
| ii libxcb-glx0:i386                                                | 1.11.1-1ubuntu1           | i386  | X C Binding, glx                                    |

|                                                  |                 |       |                             |  |
|--------------------------------------------------|-----------------|-------|-----------------------------|--|
| extension                                        |                 |       |                             |  |
| ii libxcb-glx0-dev:amd64                         | 1.11.1-1ubuntu1 | amd64 | X C Binding, glx            |  |
| extension, development files                     |                 |       |                             |  |
| ii libxcb-icccm4:amd64                           | 0.4.1-1ubuntu1  |       |                             |  |
| amd64 utility libraries for X C Binding -- icccm |                 |       |                             |  |
| ii libxcb-image0:amd64                           | 0.4.0-1build1   | amd64 | utility libraries for X     |  |
| C Binding -- image                               |                 |       |                             |  |
| ii libxcb-keysyms1:amd64                         | 0.4.0-1         | amd64 | utility libraries for X     |  |
| C Binding -- keysyms                             |                 |       |                             |  |
| ii libxcb-present-dev:amd64                      | 1.11.1-1ubuntu1 | amd64 | X C Binding,                |  |
| present extension, development files             |                 |       |                             |  |
| ii libxcb-present0:amd64                         | 1.11.1-1ubuntu1 | amd64 | X C Binding,                |  |
| present extension                                |                 |       |                             |  |
| ii libxcb-present0:i386                          | 1.11.1-1ubuntu1 | i386  | X C Binding, present        |  |
| extension                                        |                 |       |                             |  |
| ii libxcb-randr0:amd64                           | 1.11.1-1ubuntu1 | amd64 |                             |  |
| X C Binding, randr extension                     |                 |       |                             |  |
| ii libxcb-randr0-dev:amd64                       | 1.11.1-1ubuntu1 | amd64 | X C Binding,                |  |
| randr extension, development files               |                 |       |                             |  |
| ii libxcb-render-util0:amd64                     | 0.3.9-1         | amd64 | utility libraries for X     |  |
| C Binding -- render-util                         |                 |       |                             |  |
| ii libxcb-render0:amd64                          | 1.11.1-1ubuntu1 | amd64 | X C Binding,                |  |
| render extension                                 |                 |       |                             |  |
| ii libxcb-render0:i386                           | 1.11.1-1ubuntu1 | i386  | X C Binding, render         |  |
| extension                                        |                 |       |                             |  |
| ii libxcb-render0-dev:amd64                      | 1.11.1-1ubuntu1 | amd64 | X C Binding,                |  |
| render extension, development files              |                 |       |                             |  |
| ii libxcb-shape0:amd64                           | 1.11.1-1ubuntu1 | amd64 | X C Binding,                |  |
| shape extension                                  |                 |       |                             |  |
| ii libxcb-shape0-dev:amd64                       | 1.11.1-1ubuntu1 | amd64 | X C Binding,                |  |
| shape extension, development files               |                 |       |                             |  |
| ii libxcb-shm0:amd64                             | 1.11.1-1ubuntu1 | amd64 | X C Binding, shm            |  |
| extension                                        |                 |       |                             |  |
| ii libxcb-shm0:i386                              | 1.11.1-1ubuntu1 | i386  | X C Binding, shm            |  |
| extension                                        |                 |       |                             |  |
| ii libxcb-shm0-dev:amd64                         | 1.11.1-1ubuntu1 | amd64 | X C Binding,                |  |
| shm extension, development files                 |                 |       |                             |  |
| ii libxcb-sync-dev:amd64                         | 1.11.1-1ubuntu1 | amd64 | X C Binding, sync           |  |
| extension, development files                     |                 |       |                             |  |
| ii libxcb-sync1:amd64                            | 1.11.1-1ubuntu1 | amd64 | X C Binding, sync           |  |
| extension                                        |                 |       |                             |  |
| ii libxcb-sync1:i386                             | 1.11.1-1ubuntu1 | i386  | X C Binding, sync extension |  |
| 1.11.1-1ubuntu1                                  |                 |       |                             |  |
| ii libxcb-util1:amd64                            | 0.4.0-0ubuntu3  | amd64 | utility libraries for X     |  |
| C Binding -- atom, aux and event                 |                 |       |                             |  |
| ii libxcb-xfixes0:amd64                          | 1.11.1-1ubuntu1 | amd64 | X C Binding,                |  |
| xfixes extension                                 |                 |       |                             |  |



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|------------------------------------------------------------------------------|-----------------|-------|--------------------------------------|
| ii libxcb-xfixes0:i386<br>extension                                          | 1.11.1-1ubuntu1 | i386  | X C Binding, xfixes                  |
| ii libxcb-xfixes0-dev:amd64<br>xfixes extension, development files           | 1.11.1-1ubuntu1 | amd64 | X C Binding,                         |
| ii libxcb-xkb1:amd64<br>XKEYBOARD extension                                  | 1.11.1-1ubuntu1 | amd64 | X C Binding,                         |
| ii libxcb1:amd64<br>amd64 X C Binding                                        | 1.11.1-1ubuntu1 |       |                                      |
| ii libxcb1:i386                                                              | 1.11.1-1ubuntu1 | i386  | X C Binding                          |
| ii libxcb1-dev:amd64<br>development files                                    | 1.11.1-1ubuntu1 | amd64 | X C Binding,                         |
| ii libxcomposite-dev<br>extension library (development headers)              | 1:0.4.4-1       | amd64 | X11 Composite                        |
| ii libxcomposite1:amd64<br>extension library                                 | 1:0.4.4-1       | amd64 | X11 Composite                        |
| ii libxcomposite1:i386<br>extension library                                  | 1:0.4.4-1       | i386  | X11 Composite                        |
| ii libxcursor-dev:amd64<br>library (development<br>files)                    | 1:1.1.14-1      | amd64 | X cursor management                  |
| ii libxcursor1:amd64<br>library                                              | 1:1.1.14-1      | amd64 | X cursor management                  |
| ii libxcursor1:i386<br>library                                               | 1:1.1.14-1      | i386  | X cursor management                  |
| ii libxdamage-dev:amd64<br>extension library (development headers)           | 1:1.1.4-2       | amd64 | X11 damaged region                   |
| ii libxdamage1:amd64<br>extension library                                    | 1:1.1.4-2       | amd64 | X11 damaged region                   |
| ii libxdamage1:i386<br>extension library                                     | 1:1.1.4-2       | i386  | X11 damaged region                   |
| ii libxdmcp-dev:amd64<br>library (development headers)                       | 1:1.1.2-1.1     | amd64 | X11 authorisation                    |
| ii libxdmcp6:amd64<br>library                                                | 1:1.1.2-1.1     | amd64 | X11 Display Manager Control Protocol |
| ii libxdmcp6:i386<br>Control Protocol library                                | 1:1.1.2-1.1     | i386  | X11 Display Manager                  |
| ii libxerces2-java<br>Java with DOM level 3 support                          | 2.11.0-7        | all   | Validating XML parser for            |
| ii libxext-dev:amd64<br>extensions library (development headers)             | 2:1.3.3-1       | amd64 | X11 miscellaneous                    |
| ii libxext6:amd64<br>extension library                                       | 2:1.3.3-1       | amd64 | X11 miscellaneous                    |
| ii libxext6:i386<br>library                                                  | 2:1.3.3-1       | i386  | X11 miscellaneous extension          |
| ii<br>libxfixes-dev:amd64<br>'fixes' extension library (development headers) | 1:5.0.1-2       | amd64 | X11 miscellaneous                    |

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|----------------------------------------------------------------------------|------------------|--------------------------------------------------------|--------------------------------------|
| ii libxfixes3:amd64<br>'fixes' extension library                           | 1:5.0.1-2        | amd64                                                  | X11 miscellaneous                    |
| ii libxfixes3:i386<br>extension library                                    | 1:5.0.1-2        | i386                                                   | X11 miscellaneous 'fixes'            |
| ii libxfont1:amd64<br>library                                              | 1:1.5.1-1        | amd64                                                  | X11 font rasterisation               |
| ii libxft-dev<br>library for X (development files)                         | 2.3.2-1          | amd64                                                  | FreeType-based font drawing          |
| ii libxft2:amd64<br>font drawing library for X                             | 2.3.2-1          | amd64                                                  | FreeType-based                       |
| ii libxi-dev<br>(development headers)                                      | 2:1.7.6-1        | amd64                                                  | X11 Input extension library          |
| ii libxi6:amd64<br>library                                                 | 2:1.7.6-1        | amd64                                                  | X11 Input extension                  |
| ii libxi6:i386                                                             | 2:1.7.6-1        | i386                                                   | X11 Input extension library          |
| ii libxinerama-dev:amd64<br>extension library (development headers)        | 2:1.1.3-1        | amd64                                                  | X11 Xinerama                         |
| ii libxinerama1:amd64<br>extension library                                 | 2:1.1.3-1        | amd64                                                  | X11 Xinerama                         |
| ii libxinerama1:i386<br>library                                            | 2:1.1.3-1        | i386                                                   | X11 Xinerama extension               |
| ii libxkbcommon-x11-0:amd64<br>0.5.0-1ubuntu2                              | amd64            | library to create keymaps with the XKB X11<br>protocol |                                      |
| ii libxkbcommon0:amd64<br>to the XKB compiler - shared library             | 0.5.0-1ubuntu2   | amd64                                                  | library interface                    |
| ii libxkbfile1:amd64<br>manipulation library                               | 1:1.0.9-0ubuntu1 | amd64                                                  | X11 keyboard file                    |
| ii libxklavier16:amd64<br>Extension high-level API                         | 5.4-0ubuntu2     | amd64                                                  | X Keyboard                           |
| ii libxml-commons-external-java<br>external code - DOM, SAX, and JAXP, etc | 1.4.01-2build1   | all                                                    | XML Commons                          |
| ii libxml-commons-resolver1.1-java<br>URI resolver library                 | 1.2-7build1      | all                                                    | XML entity and                       |
| ii libxml-dom-perl<br>compliant doc structures                             | 1.44-2           | all                                                    | Perl module for building DOM Level 1 |
| ii libxml-parser-perl<br>XML files                                         | 2.44-1build1     | amd64                                                  | Perl module for parsing              |
| ii libxml-perl<br>XML                                                      | 0.08-2           | all                                                    | Perl modules for working with        |
| ii libxml-regexp-perl<br>expressions for XML tokens                        | 0.04-1           | all                                                    | Perl module for regular              |
| ii libxml-twig-perl<br>huge XML documents in tree mode                     | 1:3.48-1         | all                                                    | Perl module for processing           |
| ii libxml-xpathengine-perl<br>for DOM-like                                 | 0.13-1           | all                                                    | re-usable XPath engine               |

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|----------------------------------------------------------------------------|-------------------------------|-------|-----------------------------------------|--|
| trees                                                                      |                               |       |                                         |  |
| ii libxml2:amd64<br>library                                                | 2.9.3+dfsg1-1ubuntu0.1        | amd64 | GNOME XML                               |  |
| ii libxml2:i386<br>library                                                 | 2.9.3+dfsg1-1ubuntu0.1        | i386  | GNOME XML                               |  |
| ii libxml2-dev:amd64<br>files for the GNOME XML library                    | 2.9.3+dfsg1-1ubuntu0.1        | amd64 | Development                             |  |
| ii libxml2-utils                                                           | 2.9.3+dfsg1-1ubuntu0.1        | amd64 | XML utilities                           |  |
| ii libxmu6:amd64<br>utility library                                        | 2:1.1.2-2                     | amd64 | X11 miscellaneous                       |  |
| ii libxmuu1:amd64<br>micro-utility library                                 | 2:1.1.2-2                     | amd64 | X11 miscellaneous                       |  |
| ii libxom-java                                                             | 1.2.10-1                      |       |                                         |  |
| all                                                                        | New XML object model for Java |       |                                         |  |
| ii libxpm4:amd64<br>library                                                | 1:3.5.11-1ubuntu0.16.04.1     | amd64 | X11 pixmap                              |  |
| ii libxpp2-java<br>java V2                                                 | 2.1.10-7build1                | all   | XML pull parser library for             |  |
| ii libxpp3-java<br>java                                                    | 1.1.4c-2build1                | all   | XML pull parser library for             |  |
| ii libxrandr-dev:amd64<br>library (development headers)                    | 2:1.5.0-1                     | amd64 | X11 RandR extension                     |  |
| ii libxrandr2:amd64<br>library                                             | 2:1.5.0-1                     | amd64 | X11 RandR extension                     |  |
| ii libxrandr2:i386<br>library                                              | 2:1.5.0-1                     | i386  | X11 RandR extension                     |  |
| ii<br>libxrender-dev:amd64<br>Extension client library (development files) | 1:0.9.9-0ubuntu1              | amd64 | X Rendering                             |  |
| ii libxrender1:amd64<br>Extension client library                           | 1:0.9.9-0ubuntu1              | amd64 | X Rendering                             |  |
| ii libxrender1:i386<br>client library                                      | 1:0.9.9-0ubuntu1              | i386  | X Rendering Extension                   |  |
| ii libxres1:amd64<br>library                                               | 2:1.0.7-1                     | amd64 | X11 Resource extension                  |  |
| ii libxshmfence-dev:amd64<br>fences - development files                    | 1.2-1                         | amd64 | X shared memory                         |  |
| ii libxshmfence1:amd64<br>fences - shared library                          | 1.2-1                         | amd64 | X shared memory                         |  |
| ii libxshmfence1:i386<br>1.2-1                                             | 1.2-1                         | i386  | X shared memory fences - shared library |  |
| ii libxslt1.1:amd64<br>library - runtime library                           | 1.1.28-2.1                    | amd64 | XSLT 1.0 processing                     |  |
| ii libxslt1.1:i386<br>- runtime library                                    | 1.1.28-2.1                    | i386  | XSLT 1.0 processing library             |  |
| ii libxss1:amd64<br>extension library                                      | 1:1.2.2-1                     | amd64 | X11 Screen Saver                        |  |
| ii libxss1:i386                                                            | 1:1.2.2-1                     | i386  | X11 Screen Saver extension              |  |

|                                              |                    |      |       |                                          |
|----------------------------------------------|--------------------|------|-------|------------------------------------------|
| library                                      |                    |      |       |                                          |
| ii libxt6:amd64                              | 1:1.1.5-0ubuntu1   |      | amd64 | X11 toolkit intrinsics                   |
| library                                      |                    |      |       |                                          |
| ii libxt6:i386                               | 1:1.1.5-0ubuntu1   | i386 |       | X11 toolkit intrinsics library           |
| ii libxtables11:amd64                        | 1.6.0-2ubuntu3     |      | amd64 | netfilter xtables                        |
| library                                      |                    |      |       |                                          |
| ii libxtst6:amd64                            | 2:1.2.2-1          |      | amd64 | X11 Testing -- Record                    |
| extension library                            |                    |      |       |                                          |
| ii libxtst6:i386                             | 2:1.2.2-1          |      | i386  | X11 Testing -- Record                    |
| extension library                            |                    |      |       |                                          |
| ii libxv1:amd64                              | 2:1.0.10-1         |      | amd64 | X11 Video extension                      |
| library                                      |                    |      |       |                                          |
| ii libxv1:i386                               | 2:1.0.10-1         |      | i386  | X11 Video extension library              |
| ii libxvidcore4:amd64                        | 2:1.3.4-1          |      |       |                                          |
| amd64                                        |                    |      |       | Open source MPEG-4 video codec (library) |
| ii libxvmc1:amd64                            | 2:1.0.9-1ubuntu1   |      | amd64 | X11 Video                                |
| extension library                            |                    |      |       |                                          |
| ii libxxf86dga1:amd64                        | 2:1.1.4-1          |      | amd64 | X11 Direct Graphics                      |
| Access extension library                     |                    |      |       |                                          |
| ii libxxf86vm-dev:amd64                      | 1:1.1.4-1          |      | amd64 | X11 XFree86 video                        |
| mode extension library (development headers) |                    |      |       |                                          |
| ii libxxf86vm1:amd64                         | 1:1.1.4-1          |      | amd64 | X11 XFree86 video                        |
| mode extension library                       |                    |      |       |                                          |
| ii libxxf86vm1:i386                          | 1:1.1.4-1          |      | i386  | X11 XFree86 video mode                   |
| extension library                            |                    |      |       |                                          |
| ii libyajl2:amd64                            | 2.1.0-2            |      | amd64 |                                          |
| Yet Another JSON Library                     |                    |      |       |                                          |
| ii libyaml-0-2:amd64                         | 0.1.6-3            |      | amd64 | Fast YAML 1.1 parser                     |
| and emitter library                          |                    |      |       |                                          |
| ii libyaml-libyaml-perl                      | 0.41-6build1       |      | amd64 | Perl interface to                        |
| libyaml, a YAML implementation               |                    |      |       |                                          |
| ii libyaml-tiny-perl                         | 1.69-1             |      | all   | Perl module for reading and              |
| writing YAML files                           |                    |      |       |                                          |
| ii libyelp0:amd64                            | 3.18.1-1ubuntu4    |      | amd64 | Library for the                          |
| GNOME help browser                           |                    |      |       |                                          |
| ii libzbar0:amd64                            | 0.10+doc-10ubuntu1 |      | amd64 | bar code scanner                         |
| and decoder (library)                        |                    |      |       |                                          |
| ii libzeitgeist-1.0-1:amd64                  | 0.3.18-1ubuntu3    |      | amd64 | library to access                        |
| Zeitgeist - shared library                   |                    |      |       |                                          |
| ii libzeitgeist-2.0-0:amd64                  | 0.9.16-0ubuntu4    |      | amd64 | library to access                        |
| Zeitgeist - shared library                   |                    |      |       |                                          |
| ii libzmq5:amd64                             | 4.1.4-7            |      | amd64 | lightweight messaging                    |
| kernel (shared library)                      |                    |      |       |                                          |
| ii libzvb-common                             | 0.2.35-10          |      | all   | Vertical Blanking Interval               |
| decoder (VBI) - common files                 |                    |      |       |                                          |
| ii libzvb0:amd64                             | 0.2.35-10          |      | amd64 | Vertical Blanking                        |
| Interval decoder (VBI) - runtime files       |                    |      |       |                                          |

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|----------------------------------------|--------------------------------------|-------|----------------------------------------------------------------|
| ii libzip-0-13:amd64                   | 0.13.62-3                            | amd64 | library providing read access on ZIP-archives - library        |
| ii light-themes                        | 14.04+16.04.20161024-0ubuntu1        |       |                                                                |
| all                                    | Light Themes (Ambiance and Radiance) |       |                                                                |
| ii lightdm                             | 1.18.3-0ubuntu1                      | amd64 | Display Manager                                                |
| ii lintian                             | 2.5.43                               | all   | Debian package checker                                         |
| ii linux-base                          | 4.0ubuntu1                           | all   | Linux image base package                                       |
| ii linux-firmware                      | 1.157.8                              | all   | Firmware for Linux kernel drivers                              |
| ii linux-generic                       | 4.4.0.62.65                          | amd64 | Complete Generic Linux kernel and headers                      |
| ii linux-headers-4.4.0-59              | 4.4.0-59.80                          | all   | Header files related to Linux kernel version 4.4.0             |
| ii linux-headers-4.4.0-59-generic      | 4.4.0-59.80                          | amd64 | Linux kernel headers for version 4.4.0 on 64 bit x86 SMP       |
| ii linux-headers-4.4.0-62              | 4.4.0-62.83                          | all   | Header files related to Linux kernel version 4.4.0             |
| ii linux-headers-4.4.0-62-generic      | 4.4.0-62.83                          | amd64 | Linux kernel headers for version 4.4.0 on 64 bit x86 SMP       |
| ii linux-headers-generic               | 4.4.0.62.65                          | amd64 | Generic Linux kernel headers                                   |
| rc linux-image-4.4.0-57-generic        | 4.4.0-57.78                          | amd64 | Linux kernel image for version 4.4.0 on 64 bit x86 SMP         |
| ii linux-image-4.4.0-59-generic        | 4.4.0-59.80                          | amd64 | Linux kernel image for version 4.4.0 on 64 bit x86 SMP         |
| ii linux-image-4.4.0-62-generic        | 4.4.0-62.83                          | amd64 | Linux kernel image for version 4.4.0 on 64 bit x86 SMP         |
| rc linux-image-extra-4.4.0-57-generic  | 4.4.0-57.78                          | amd64 | Linux kernel extra modules for version 4.4.0 on 64 bit x86 SMP |
| ii linux-image-extra-4.4.0-59-generic  | 4.4.0-59.80                          | amd64 | Linux kernel extra modules for version 4.4.0 on 64 bit x86 SMP |
| ii linux-image-extra-4.4.0-62-generic  | 4.4.0-62.83                          | amd64 | Linux kernel extra modules for version 4.4.0 on 64 bit x86 SMP |
| ii linux-image-generic                 | 4.4.0.62.65                          | amd64 | Generic Linux kernel image                                     |
| ii linux-libc-dev:amd64                | 4.4.0-62.83                          | amd64 | Linux Kernel Headers for development                           |
| ii linux-signed-generic                | 4.4.0.62.65                          | amd64 | Complete Signed Generic Linux kernel and headers               |
| rc linux-signed-image-4.4.0-57-generic | 4.4.0-57.78                          | amd64 | Signed kernel image generic                                    |
| ii linux-signed-image-4.4.0-59-generic | 4.4.0-59.80                          | amd64 | Signed kernel image generic                                    |
| ii linux-signed-image-4.4.0-62-generic | 4.4.0-62.83                          | amd64 | Signed kernel image generic                                    |
| ii linux-signed-image-generic          | 4.4.0.62.65                          | amd64 | Signed Generic                                                 |

|                                                                        |                      |                                                                             |       |                                       |
|------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------|-------|---------------------------------------|
| Linux kernel image                                                     |                      |                                                                             |       |                                       |
| ii linux-sound-base<br>ALSA and OSS sound systems                      | 1.0.25+dfsg-0ubuntu5 |                                                                             | all   | base package for                      |
| ii linux-tools-4.4.0-59<br>specific tools for version 4.4.0-59         | 4.4.0-59.80          |                                                                             | amd64 | Linux kernel version                  |
| ii linux-tools-4.4.0-59-generic<br>specific tools for version 4.4.0-59 | 4.4.0-59.80          |                                                                             | amd64 | Linux kernel version                  |
| ii linux-tools-4.4.0-62<br>specific tools for version 4.4.0-62         | 4.4.0-62.83          |                                                                             | amd64 | Linux kernel version                  |
| ii linux-tools-4.4.0-62-generic<br>specific tools for version 4.4.0-62 | 4.4.0-62.83          |                                                                             | amd64 | Linux kernel version                  |
| ii linux-tools-common<br>specific tools for version 4.4.0              | 4.4.0-62.83          |                                                                             | all   | Linux kernel version                  |
| ii linux-tools-virtual                                                 | 4.4.0.62.65          |                                                                             |       |                                       |
|                                                                        | amd64                | This package will always depend on the latest minimal generic kernel tools. |       |                                       |
| ii lldb<br>performance debugger                                        | 1:3.8-33ubuntu3.1    |                                                                             | amd64 | Next generation, high-                |
| ii lldb-3.8<br>performance debugger                                    | 1:3.8-2ubuntu4       |                                                                             | amd64 | Next generation, high-                |
| ii llvm-3.8<br>toolchain technologies                                  | 1:3.8-2ubuntu4       |                                                                             | amd64 | Modular compiler and                  |
| ii llvm-3.8-dev<br>toolchain technologies, libraries and headers       | 1:3.8-2ubuntu4       |                                                                             | amd64 | Modular compiler and                  |
| ii llvm-3.8-runtime<br>toolchain technologies, IR interpreter          | 1:3.8-2ubuntu4       |                                                                             | amd64 | Modular compiler and                  |
| ii<br>lmodern                                                          | 2.004.5-1            |                                                                             | all   | scalable PostScript and               |
| OpenType fonts based on Computer Modern                                |                      |                                                                             |       |                                       |
| ii locales<br>Language (locale) data [support]                         | 2.23-0ubuntu5        |                                                                             | all   | GNU C Library: National               |
| ii login                                                               | 1:4.2-3.1ubuntu5     |                                                                             | amd64 | system login tools                    |
| ii logrotate                                                           | 3.8.7-2ubuntu2       |                                                                             | amd64 | Log rotation utility                  |
| ii lp-solve<br>linear programming problems                             | 5.5.0.13-7build2     |                                                                             | amd64 | Solve (mixed integer)                 |
| ii lsb-base<br>script functionality                                    | 9.20160110ubuntu0.2  |                                                                             | all   | Linux Standard Base init              |
| ii lsb-release<br>utility                                              | 9.20160110ubuntu0.2  |                                                                             | all   | Linux Standard Base version reporting |
| ii lshw<br>hardware configuration                                      | 02.17-1.1ubuntu3.2   |                                                                             | amd64 | information about                     |
| ii lsof                                                                | 4.89+dfsg-0.1        |                                                                             | amd64 | Utility to list open files            |
| ii ltrace<br>calls in dynamically linked programs                      | 0.7.3-5.1ubuntu4     |                                                                             | amd64 | Tracks runtime library                |
| ii m4                                                                  | 1.4.17-5             |                                                                             | amd64 | macro processing language             |
| ii make<br>compilation                                                 | 4.1-6                |                                                                             | amd64 | utility for directing                 |
| ii makedev                                                             |                      |                                                                             |       |                                       |

|                                   |                          |       |                                                                |
|-----------------------------------|--------------------------|-------|----------------------------------------------------------------|
|                                   | 2.3.1-93ubuntu1          | all   | creates device files in /dev                                   |
| ii man-db                         | 2.7.5-1                  | amd64 | on-line manual pager                                           |
| ii manpages                       | 4.04-2                   | all   | Manual pages about using a GNU/Linux system                    |
| ii manpages-dev                   | 4.04-2                   | all   | Manual pages about using GNU/Linux for development             |
| ii mathpiper                      | 0.81f+svn4469+dfsg3-3    | all   | Java Computer Algebra System                                   |
| ii maven                          | 3.3.9-3                  | all   | Java software project management and comprehension tool        |
| ii mawk                           | 1.3.3-17ubuntu2          |       |                                                                |
|                                   | amd64                    |       | a pattern scanning and text processing language                |
| ii media-player-info              | 22-2                     | all   | Media player identification files                              |
| ii memtest86+                     | 5.01-3ubuntu2            | amd64 | thorough real-mode memory tester                               |
| ii mesa-common-dev:amd64          | 11.2.0-1ubuntu2.2        | amd64 | Developer documentation for Mesa                               |
| ii mesa-vaapi-drivers:amd64       | 11.2.0-1ubuntu2.2        | amd64 | Mesa VDPAU video acceleration drivers                          |
| ii metacity-common                | 1:3.18.7-0ubuntu0.2      | all   | shared files for the Metacity window manager                   |
| ii mime-support                   | 3.59ubuntu1              |       |                                                                |
|                                   | all                      |       | MIME files 'mime.types' & 'mailcap', and support programs      |
| ii mlocate                        | 0.26-1ubuntu2            | amd64 | quickly find files on the filesystem based on their name       |
| ii mobile-broadband-provider-info | 20140317-1               | all   | database of mobile broadband service providers                 |
| ii modemmanager                   | 1.4.12-1ubuntu1          | amd64 | D-Bus service for managing modems                              |
| ii mokutil                        | 0.3.0-0ubuntu3           | amd64 | tools for manipulating machine owner keys                      |
| ii mongodb-org-server             | 3.0.14                   | amd64 | MongoDB database server                                        |
| ii mongodb-org-shell              | 3.0.14                   |       |                                                                |
|                                   | amd64                    |       | MongoDB shell client                                           |
| ii mongodb-org-tools              | 3.0.14                   | amd64 | MongoDB tools                                                  |
| ii mono-4.0-gac                   | 4.2.1.102+dfsg2-7ubuntu4 | all   | Mono GAC tool (for CLI 4.0)                                    |
| ii mono-csharp-shell              | 4.2.1.102+dfsg2-7ubuntu4 | all   | interactive C# shell                                           |
| ii mono-devel                     | 4.2.1.102+dfsg2-7ubuntu4 | all   | Mono development tools                                         |
| ii mono-gac                       | 4.2.1.102+dfsg2-7ubuntu4 | all   | Mono GAC tool                                                  |
| ii mono-mcs                       | 4.2.1.102+dfsg2-7ubuntu4 | all   | Mono C# 2.0 / 3.0 / 4.0 / 5.0 compiler for CLI 2.0 / 4.0 / 4.5 |
| ii mono-runtime                   | 4.2.1.102+dfsg2-7ubuntu4 | amd64 | Mono runtime - default version                                 |
| ii mono-runtime-common            | 4.2.1.102+dfsg2-7ubuntu4 | amd64 | Mono                                                           |

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|----------------------------------------------------------------------|-----------------------------|-------|--------------------------------|
| runtime - common files                                               |                             |       |                                |
| ii mono-runtime-sgen<br>- SGen                                       | 4.2.1.102+dfsg2-7ubuntu4    | amd64 | Mono runtime                   |
| ii mono-utils                                                        | 4.2.1.102+dfsg2-7ubuntu4    | amd64 | Mono utilities                 |
| ii mono-xbuild<br>build system for Mono                              | 4.2.1.102+dfsg2-7ubuntu4    | all   | MSBuild-compatible             |
| ii mount<br>manipulating filesystems                                 | 2.27.1-6ubuntu3.2           | amd64 | tools for mounting and         |
| ii mountall<br>mounting tool                                         | 2.54ubuntu1                 | amd64 | filesystem                     |
| ii mousetweaks<br>enhancements for the GNOME desktop                 | 3.12.0-1ubuntu2             | amd64 | mouse accessibility            |
| ii mscompress<br>"compress.exe/expand.exe" compatible (de)compressor | 0.4-3                       | amd64 | Microsoft                      |
| ii mtools<br>MSDOS files                                             | 4.0.18-2ubuntu0.16.04       | amd64 | Tools for manipulating         |
| ii mtr-tiny<br>traceroute tool                                       | 0.86-1ubuntu0.1             | amd64 | Full screen ncurses            |
| ii multiarch-support<br>to ensure multiarch compatibility            | 2.23-0ubuntu5               | amd64 | Transitional package           |
| ii mysql-common<br>database common files, e.g. /etc/mysql/my.cnf     | 5.7.17-0ubuntu0.16.04.1     | all   | MySQL                          |
| ii mythes-en-au<br>for OpenOffice.org                                | 2.1-5.4                     | all   | Australian English Thesaurus   |
| ii mythes-en-us<br>Thesaurus for LibreOffice                         | 1:5.1.0-1ubuntu2.2          | all   | English (USA)                  |
| ii mythes-it<br>OpenOffice.org 2                                     | 2.0.7.gh.deb1-4.1           | all   | Italian Thesaurus for          |
| ii nano<br>inspired by Pico                                          | 2.5.3-2ubuntu1              | amd64 | small, friendly text editor    |
| ii nautilus<br>graphical shell for GNOME                             | 1:3.18.4.is.3.14.3-0ubuntu5 | amd64 | file manager and               |
| ii nautilus-data<br>data files for nautilus                          | 1:3.18.4.is.3.14.3-0ubuntu5 | all   |                                |
| ii nautilus-sendto<br>and Pidgin into the Nautilus file manager      | 3.8.2-1ubuntu1              | amd64 | integrates Evolution           |
| ii nautilus-share<br>share folder using Samba                        | 0.7.3-2ubuntu1              | amd64 | Nautilus extension to          |
| ii ncurses-base<br>definitions                                       | 6.0+20160213-1ubuntu1       | all   | basic terminal type            |
| ii ncurses-bin<br>programs and man pages                             | 6.0+20160213-1ubuntu1       | amd64 | terminal-related               |
| ii net-tools<br>toolkit                                              | 1.60-26ubuntu1              | amd64 | NET-3 networking               |
| ii netbase<br>ii                                                     | 5.3                         | all   | Basic TCP/IP networking system |
| netcat-openbsd<br>knife                                              | 1.105-7ubuntu1              | amd64 | TCP/IP swiss army              |



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|-------------------------------------------------------------------------------------------|------------------------|-------|----------------------------------|
| ii netpbm<br>between image formats                                                        | 2:10.0-15.3            | amd64 | Graphics conversion tools        |
| ii network-manager<br>management framework (daemon and userspace tools)                   | 1.2.2-0ubuntu0.16.04.3 | amd64 | network                          |
| ii network-manager-gnome<br>management framework (GNOME frontend)                         | 1.2.0-0ubuntu0.16.04.4 | amd64 | network                          |
| ii network-manager-pptp<br>management framework (PPTP plugin core)                        | 1.1.93-1ubuntu1        | amd64 | network                          |
| ii network-manager-pptp-gnome<br>management framework (PPTP<br>plugin GNOME GUI)          | 1.1.93-1ubuntu1        | amd64 | network                          |
| ii node-abbrev<br>set of strings - Node.js module                                         | 1.0.5-2                | all   | Get unique abbreviations for a   |
| ii node-ansi<br>for Node.js                                                               | 0.3.0-2                | all   | Advanced ANSI formatting tool    |
| ii node-ansi-color-table<br>ansi output - Node.js module                                  | 1.0.0-1                | all   | Color and format tables for      |
| ii node-archy<br>module for Node.js                                                       | 0.0.2-1                | all   | Pretty-print nested hierarchies  |
| ii node-async<br>common patterns for asynchronous Javascript                              | 0.8.0-1                | all   | higher-order functions and       |
| ii node-block-stream<br>all Stream of fixed-size blocks, with zero-padding when necessary | 0.0.7-1                |       |                                  |
| ii node-combined-stream<br>another - module for Node.js                                   | 0.0.5-1                | all   | Append streams one after         |
| ii node-cookie-jar<br>clients - module for Node.js                                        | 0.3.1-1                | all   | Cookie handling for HTTP         |
| ii node-delayed-stream<br>later handling - module for Node.js                             | 0.0.5-1                | all   | Buffer stream events for         |
| ii node-forever-agent<br>keep-alive requests - module for Node.js                         | 0.5.1-1                | all   | HTTP agent supporting            |
| ii node-form-data<br>streams module for Node.js                                           | 0.1.0-1                | all   | Create multipart/form-data       |
| ii<br>node-fstream<br>tools for Node.js                                                   | 0.1.24-1               | all   | Advanced filesystem streaming    |
| ii node-fstream-ignore<br>configurable by .ignore module for Node.js                      | 0.0.6-2                | all   | Directory reader                 |
| ii node-github-url-from-git<br>url to an http url - Node.js module                        | 1.1.1-1                | all   | Convert github git or gist       |
| ii node-glob                                                                              | 4.0.5-1                | all   | glob functionality for Node.js   |
| ii node-graceful-fs<br>improving the Node.js fs module                                    | 3.0.2-1                | all   | drop-in replacement              |
| ii node-gyp<br>addon build tool for Node.js                                               | 3.0.3-2ubuntu1         | all   | Native                           |
| ii node-inherits<br>Node.js environment                                                   | 2.0.1-3                | all   | Exposes inherits function from   |
| ii node-ini                                                                               | 1.1.0-1                | all   | ini format parser and serializer |

|                                                                                    |          |     |     |                                               |
|------------------------------------------------------------------------------------|----------|-----|-----|-----------------------------------------------|
| for Node.js                                                                        |          |     |     |                                               |
| ii node-json-stringify-safe<br>circular references module for Node.js              | 5.0.0-1  |     | all | JSON.stringify with                           |
| ii node-lockfile<br>module for Node.js                                             | 0.4.1-1  |     | all | Asynchronous file lock                        |
| ii node-lru-cache<br>object for Node.js                                            | 2.3.1-1  |     | all | least-recently-used cache                     |
| ii node-mime<br>library for mime-type mapping for Node.js                          | 1.3.4-1  |     | all |                                               |
| ii node-minimatch<br>into RegExp objects for Node.js                               | 1.0.0-1  |     | all | Convert glob expressions                      |
| ii node-mkdirp<br>- Node.js module                                                 | 0.5.0-1  |     | all | Recursively create directories                |
| ii node-mute-stream<br>can be muted module for Node.js                             | 0.0.4-1  |     | all | Pass-through stream that                      |
| ii node-node-uuid<br>RFC4122 UUIDs - Node module                                   | 1.4.0-1  |     | all | simple, fast generation of                    |
| ii node-nopt<br>for Node.js                                                        | 3.0.1-1  |     | all | Command-line option parser                    |
| ii node-normalize-package-data<br>all Normalizes package metadata - Node.js module | 0.2.2-1  |     |     |                                               |
| ii node-npmlog<br>and colored output for Node.js                                   | 0.0.4-1  |     | all | Logger with custom levels                     |
| ii node-once<br>this module for Node.js                                            | 1.1.1-1  |     | all | Run a function only once with                 |
| ii node-osenv<br>module for Node.js                                                | 0.1.0-1  |     | all | Environment settings lookup                   |
| ii node-qs<br>Node.js                                                              | 2.2.4-1  |     | all | Parse, stringify query strings for            |
| ii node-read<br>module for Node.js                                                 | 1.0.5-1  |     | all | Read user input from stdin                    |
| ii node-read-package-json<br>1.2.4-1                                               |          | all |     | Read package.json for npm module for Node.js  |
| ii node-request<br>client module for Node.js                                       | 2.26.1-1 |     | all | simplified HTTP request                       |
| ii node-retry<br>operations module for Node.js                                     | 0.6.0-1  |     | all | Retry strategies for failed                   |
| ii node-rimraf<br>module for Node.js                                               | 2.2.8-1  |     | all | Deep deletion (like rm -rf)                   |
| ii node-semver<br>Node.js                                                          | 2.1.0-2  |     | all | Semantic Versioning for                       |
| ii node-sha<br>hashes - module for Node.js                                         | 1.2.3-1  |     | all | Check and get file or stream                  |
| ii node-sigmund<br>for Node.js                                                     | 1.0.0-1  |     | all | Quick and dirty signatures for Objects module |
| ii node-slide<br>flow control module for Node.js                                   | 1.1.4-1  |     | all | Simple chain and asyncMap                     |

|                                                                   |                                |       |                                         |
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| ii node-tar<br>archives module for Node.js                        | 1.0.3-2                        | all   | read and write portable tar             |
| ii node-tunnel-agent<br>module for Node.js                        | 0.3.1-1                        | all   | HTTP proxy tunneling agent              |
| ii node-underscore<br>programming helper library - NodeJS         | 1.7.0~dfsg-1ubuntu1            | all   | JavaScript's functional                 |
| ii node-which<br>'which' module for Node.js                       | 1.0.5-2                        | all   | Cross-platform                          |
| ii nodejs<br>javascript                                           | 4.2.6~dfsg-1ubuntu4.1          | amd64 | evented I/O for V8                      |
| ii nodejs-dev<br>javascript (development files)                   | 4.2.6~dfsg-1ubuntu4.1          | amd64 | evented I/O for V8                      |
| ii nodejs-legacy<br>javascript (legacy symlink)                   | 4.2.6~dfsg-1ubuntu4.1          | all   | evented I/O for V8                      |
| ii notify-osd<br>displays passive pop-up notifications            | 0.9.35+16.04.20160415-0ubuntu1 | amd64 | daemon that                             |
| ii notify-osd-icons<br>icons                                      | 0.8+15.10.20151016.2-0ubuntu1  | all   | Notify-OSD                              |
| ii npm<br>ii                                                      | 3.5.2-0ubuntu4                 | all   | package manager for Node.js             |
| ntfs-3g<br>driver for FUSE                                        | 1:2015.3.14AR.1-1ubuntu0.1     | amd64 | read/write NTFS                         |
| ii nux-tools<br>toolkit for real-time applications - tools        | 4.0.8+16.04.20160705-0ubuntu1  | amd64 | Visual rendering                        |
| ii ocl-icd-libopencl1:amd64<br>Loader                             | 2.2.8-1                        | amd64 | Generic OpenCL ICD                      |
| ii ocl-icd-opencl-dev:amd64<br>files                              | 2.2.8-1                        | amd64 | OpenCL development                      |
| ii onboard<br>Keyboard                                            | 1.2.0-0ubuntu5                 | amd64 | Simple On-screen                        |
| ii onboard-data<br>the word suggestion feature of Onboard         | 1.2.0-0ubuntu5                 | all   | Language model files for                |
| ii opencl-headers<br>files                                        | 2.0~svn32091-2                 | all   | OpenCL (Open Computing Language) header |
| ii opencv-data<br>opencv                                          | 2.4.9.1+dfsg-1.5ubuntu1        | all   | development data for                    |
| ii openoffice.org-hyphenation<br>OpenOffice.org                   | 0.9                            | all   | Hyphenation patterns for                |
| ii openprinting-ppds<br>support - PostScript PPD files            | 20160212-0ubuntu1              | all   | OpenPrinting printer                    |
| ii openssh-client<br>client, for secure access to remote machines | 1:7.2p2-4ubuntu2.1             | amd64 | secure shell (SSH)                      |
| ii openssl<br>toolkit - cryptographic utility                     | 1.0.2g-1ubuntu4.6              | amd64 | Secure Sockets Layer                    |
| ii oracle-java8-installer<br>8u121-1~webupd8~0                    |                                | all   | Oracle Java(TM) Development Kit (JDK) 8 |
| ii oracle-java8-set-default<br>8u121-1~webupd8~0                  |                                | all   | Set Oracle JDK 8                        |

|                                                      |                                          |       |                                            |  |
|------------------------------------------------------|------------------------------------------|-------|--------------------------------------------|--|
| as default Java                                      |                                          |       |                                            |  |
| ii os-prober                                         | 1.70ubuntu3                              | amd64 | utility to detect other                    |  |
| OSes on a set of drives                              |                                          |       |                                            |  |
| ii overlay-scrollbar                                 | 0.2.17.1+16.04.20151117-0ubuntu1.16.04.1 | all   | Scrollbar                                  |  |
| overlay - configuration                              |                                          |       |                                            |  |
| ii overlay-scrollbar-gtk2:amd64                      | 0.2.17.1+16.04.20151117-0ubuntu1.16.04.1 | amd64 |                                            |  |
| GTK 2 module for overlay scrollbars                  |                                          |       |                                            |  |
| ii oxideqt-codecs-extra:amd64                        | 1.20.4-0ubuntu0.16.04.1                  | amd64 | Web browser                                |  |
| engine for Qt (codecs)                               |                                          |       |                                            |  |
| ii p11-kit                                           | 0.23.2-5~ubuntu16.04.1                   | amd64 | p11-glue utilities                         |  |
| ii p11-kit-modules:amd64                             | 0.23.2-5~ubuntu16.04.1                   | amd64 | p11-glue                                   |  |
| proxy and trust modules                              |                                          |       |                                            |  |
| ii pandoc                                            | 1.16.0.2~dfsg-1                          | amd64 | general markup converter                   |  |
| ii pandoc-data                                       | 1.16.0.2~dfsg-1                          | all   | general markup converter -                 |  |
| data files                                           |                                          |       |                                            |  |
| ii parted                                            | 3.2-15                                   | amd64 | disk partition manipulator                 |  |
| ii passwd                                            | 1:4.2-3.1ubuntu5                         | amd64 | change and administer                      |  |
| password and group data                              |                                          |       |                                            |  |
| ii patch                                             | 2.7.5-1                                  | amd64 |                                            |  |
| Apply a diff file to an original                     |                                          |       |                                            |  |
| ii patchutils                                        | 0.3.4-1                                  | amd64 | Utilities to work with patches             |  |
| ii pciutils                                          | 1:3.3.1-1.1ubuntu1                       | amd64 | Linux PCI Utilities                        |  |
| ii pcmciautils                                       | 018-8                                    | amd64 | PCMCIA utilities for Linux                 |  |
| 2.6                                                  |                                          |       |                                            |  |
| ii perl                                              | 5.22.1-9                                 | amd64 | Larry Wall's Practical                     |  |
| Extraction and Report Language                       |                                          |       |                                            |  |
| ii perl-base                                         | 5.22.1-9                                 | amd64 | minimal Perl system                        |  |
| ii perl-modules-5.22                                 | 5.22.1-9                                 | all   | Core Perl modules                          |  |
| ii pgdg-keyring                                      | 2014.1                                   | all   | keyring for apt.postgresql.org             |  |
| ii pinentry-gnome3                                   | 0.9.7-3                                  | amd64 | GNOME 3 PIN or pass-                       |  |
| phrase entry dialog for GnuPG                        |                                          |       |                                            |  |
| ii pkg-config                                        | 0.29.1-0ubuntu1                          | amd64 | manage compile and                         |  |
| link flags for libraries                             |                                          |       |                                            |  |
| ii plainbox-provider-checkbox                        | 0.25-1                                   | amd64 | CheckBox provider                          |  |
| for PlainBox                                         |                                          |       |                                            |  |
| ii plainbox-provider-resource-generic                | 0.23-1                                   | amd64 | CheckBox generic                           |  |
| resource jobs provider                               |                                          |       |                                            |  |
| ii plainbox-secure-policy                            | 0.25-1                                   | all   | policykit policy required to               |  |
| use plainbox (secure version)                        |                                          |       |                                            |  |
| ii plymouth                                          | 0.9.2-3ubuntu13.1                        | amd64 | boot animation, logger and I/O multiplexer |  |
| ii plymouth-label                                    | 0.9.2-3ubuntu13.1                        | amd64 | boot animation,                            |  |
| logger and I/O multiplexer - label control           |                                          |       |                                            |  |
| ii plymouth-theme-ubuntu-logo                        | 0.9.2-3ubuntu13.1                        | amd64 | boot                                       |  |
| animation, logger and I/O multiplexer - ubuntu theme |                                          |       |                                            |  |
| ii plymouth-theme-ubuntu-text                        | 0.9.2-3ubuntu13.1                        | amd64 | boot animation,                            |  |

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| logger and I/O multiplexer - ubuntu text theme                     |                     |       |                                 |
| ii pm-utils<br>management                                          | 1.4.1-16            | all   | utilities and scripts for power |
| ii po-debconf<br>file translations with gettext                    | 1.0.19              | all   | tool for managing templates     |
| ii<br>policykit-1<br>administrative policies and privileges        | 0.105-14.1          | amd64 | framework for managing          |
| ii policykit-1-gnome<br>authentication agent for PolicyKit-1       | 0.105-2ubuntu2      | amd64 | GNOME                           |
| ii policykit-desktop-privileges<br>actions without password        | 0.20                | all   | run common desktop              |
| ii poppler-data<br>PDF rendering library                           | 0.4.7-7             | all   | encoding data for the poppler   |
| ii poppler-utils<br>Poppler)                                       | 0.41.0-0ubuntu1.1   | amd64 | PDF utilities (based on         |
| ii popularity-contest<br>packages automatically                    | 1.64ubuntu2         | all   | Vote for your favourite         |
| ii postgresql<br>database (supported version)                      | 9.6+178.pgdg16.04+1 | all   | object-relational SQL           |
| ii postgresql-9.5<br>SQL database, version 9.5 server              | 9.5.5-1.pgdg16.04+1 | amd64 | object-relational               |
| ii postgresql-9.6<br>SQL database, version 9.6 server              | 9.6.1-2.pgdg16.04+1 | amd64 | object-relational               |
| ii postgresql-client-9.5<br>for PostgreSQL 9.5                     | 9.5.5-1.pgdg16.04+1 | amd64 | front-end programs              |
| ii postgresql-client-9.6<br>for PostgreSQL 9.6                     | 9.6.1-2.pgdg16.04+1 | amd64 | front-end programs              |
| ii postgresql-client-common<br>multiple PostgreSQL client versions | 178.pgdg16.04+1     | all   | manager for                     |
| ii postgresql-common<br>database-cluster manager                   | 178.pgdg16.04+1     | all   | PostgreSQL                      |
| ii postgresql-contrib<br>for PostgreSQL (supported version)        | 9.6+178.pgdg16.04+1 | all   | additional facilities           |
| ii postgresql-contrib-9.5<br>facilities for PostgreSQL             | 9.5.5-1.pgdg16.04+1 | amd64 | additional                      |
| ii postgresql-contrib-9.6<br>facilities for PostgreSQL             | 9.6.1-2.pgdg16.04+1 | amd64 | additional                      |
| ii powermgmt-base<br>configs for power management                  | 1.31+nmu1           | all   | Common utils and                |
| ii ppp<br>Protocol (PPP) - daemon                                  | 2.4.7-1+2ubuntu1    | amd64 | Point-to-Point                  |
| ii pppconfig<br>configuring ppp                                    | 2.3.22              | all   | Text menu based utility for     |
| ii pppoeconf<br>connections                                        | 1.21ubuntu1         | all   | configures PPPoE/ADSL           |
| ii pptp-linux<br>Protocol (PPTP) Client                            | 1.8.0-1             | amd64 | Point-to-Point Tunneling        |

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| ii preview-latex-style<br>from LaTeX documents as graphics                     | 11.88-1.1ubuntu1        | all   | extraction of elements        |
| ii printer-driver-brlaser<br>(some) Brother laser printers                     | 3-5~ubuntu1             | amd64 | printer driver for            |
| ii printer-driver-c2esp<br>driver for Kodak ESP AiO color inkjet Series        | 27-2                    | amd64 | printer                       |
| ii printer-driver-foo2zjs<br>for ZjStream-based printers                       | 20151024dfsg0-1ubuntu1  | amd64 | printer driver                |
| ii printer-driver-foo2zjs-common<br>for ZjStream-based printers - common files | 20151024dfsg0-1ubuntu1  | all   | printer driver                |
| ii printer-driver-gutenprint<br>CUPS                                           | 5.2.11-1                | amd64 | printer drivers for           |
| ii printer-driver-hpcups<br>and Imaging - CUPS Raster driver (hpcups)          | 3.16.3+repack0-1        | amd64 | HP Linux Printing             |
| ii printer-driver-min12xxw<br>KonicaMinolta PagePro 1[234]xxW                  | 0.0.9-9                 | amd64 | printer driver for            |
| ii printer-driver-pnm2ppa<br>amd64 printer driver for HP-GDI printers          | 1.13+nondbs-0ubuntu5    |       |                               |
| ii printer-driver-postscript-hp<br>PostScript Descriptions                     | 3.16.3+repack0-1        | all   | HP Printers                   |
| ii printer-driver-ptouch<br>touch label printers                               | 1.4-1                   | amd64 | printer driver Brother P-     |
| ii printer-driver-pxljr<br>Color LaserJet 35xx/36xx                            | 1.4+repack0-4           | amd64 | printer driver for HP         |
| ii printer-driver-sag-gdi<br>Aficio SP 1000s/SP 1100s                          | 0.1-4ubuntu1            | all   | printer driver for Ricoh      |
| ii printer-driver-splix<br>Samsung and Xerox SPL2 and SPLc laser printers      | 2.0.0+svn315-4fakesync1 | amd64 | Driver for                    |
| ii procps<br>amd64 /proc file system utilities                                 | 2:3.3.10-4ubuntu2.3     |       |                               |
| ii prosper<br>transparencies                                                   | 1.00.4+cvs.2007.05.01-4 | all   | LaTeX class for writing       |
| ii ps2eps<br>EPS (Encapsulated PostScript) files                               | 1.68+binaryfree-1       | amd64 | convert PostScript to         |
| ii psmisc<br>file system                                                       | 22.21-2.1build1         | amd64 | utilities that use the proc   |
| ii psutils<br>handling utilities                                               | 1.17.dfsg-2             | amd64 | PostScript document           |
| ii pulse<br>PulseAudio sound server                                            | 8.2                     | all   | Pulse Secure Client for Linux |
| ii pulseaudio<br>PulseAudio sound server                                       | 1:8.0-0ubuntu3.2        | amd64 |                               |
| ii pulseaudio-module-bluetooth<br>module for PulseAudio sound server           | 1:8.0-0ubuntu3.2        | amd64 | Bluetooth                     |
| ii pulseaudio-module-x11<br>PulseAudio sound server                            | 1:8.0-0ubuntu3.2        | amd64 | X11 module for                |
| ii pulseaudio-utils<br>for the PulseAudio sound server                         | 1:8.0-0ubuntu3.2        | amd64 | Command line tools            |
| ii pyotherside                                                                 | 1.4.0-2                 | all   | transitional dummy package    |

|                              |                                    |       |                                                                       |
|------------------------------|------------------------------------|-------|-----------------------------------------------------------------------|
| ii python                    | 2.7.11-1                           | amd64 | interactive high-level object-oriented language (default version)     |
| ii python-alabaster          | 0.7.7-1                            | all   | Configurable sidebar-enabled Sphinx theme (Python 2)                  |
| ii python-all                | 2.7.11-1                           | amd64 | package depending on all supported Python runtime versions            |
| ii python-all-dev            | 2.7.11-1                           | amd64 | package depending on all supported Python development packages        |
| ii python-appindicator       | 12.10.1+15.04.20141110-0ubuntu1    | amd64 | Python bindings for libappindicator                                   |
| ii python-apt                | 1.1.0~beta1build1                  | amd64 | Python interface to libapt-pkg                                        |
| ii python-apt-common         | 1.1.0~beta1build1                  | all   | Python interface to libapt-pkg (locales)                              |
| ii python-babel              | 1.3+dfsg.1-6                       |       | all tools for internationalizing Python applications - Python 2.x     |
| ii python-babel-localedata   | 1.3+dfsg.1-6                       | all   | tools for internationalizing Python applications - locale data files  |
| ii python-cairo              | 1.8.8-2                            | amd64 | Python bindings for the Cairo vector graphics library                 |
| ii python-chardet            | 2.3.0-2                            | all   | universal character encoding detector for Python2                     |
| ii python-compizconfig:amd64 | 1:0.9.12.2+16.04.20160823-0ubuntu1 | amd64 | Compizconfig bindings for Python                                      |
| ii python-dev                | 2.7.11-1                           | amd64 | header files and a static library for Python (default)                |
| ii python-docutils           | 0.12+dfsg-1                        | all   | text processing system for reStructuredText (implemented in Python 2) |
| ii python-gi                 | 3.20.0-0ubuntu1                    | amd64 | Python 2.x bindings for GObject introspection libraries               |
| ii python-gobject            | 3.20.0-0ubuntu1                    | all   | Python 2.x bindings for GObject - transitional package                |
| ii python-gobject-2          | 2.28.6-12ubuntu1                   | amd64 | deprecated static Python bindings for the GObject library             |
| ii python-gtk2               | 2.24.0-4ubuntu1                    | amd64 | Python bindings for the GTK+ widget set                               |
| ii python-jinja2             | 2.8-1                              | all   | small but fast and easy to use stand-alone template engine            |
| ii python-lldb-3.8           | 1:3.8-2ubuntu4                     | amd64 | Next generation, high-performance debugger, python lib                |
| ii python-lockfile           | 1:0.12.2-1                         | all   | file locking library for Python — Python 2 library                    |
| ii python-markupsafe         | 0.23-2build2                       | amd64 | HTML/XHTML/XML string library for Python                              |
| ii python-minimal            | 2.7.11-1                           | amd64 | minimal subset of the Python language (default version)               |
| ii python-numpy              | 1:1.11.0-1ubuntu1                  | amd64 | Numerical Python                                                      |

|                                                   |                          |                                               |       |                                                                           |
|---------------------------------------------------|--------------------------|-----------------------------------------------|-------|---------------------------------------------------------------------------|
| adds a fast array facility to the Python language |                          |                                               |       |                                                                           |
| ii                                                | python-pil:amd64         | 3.1.2-0ubuntu1                                |       |                                                                           |
|                                                   | amd64                    | Python Imaging Library (Pillow fork)          |       |                                                                           |
| ii                                                | python-pil.imagetk:amd64 | 3.1.2-0ubuntu1                                | amd64 | Python Imaging Library - ImageTk Module (Pillow fork)                     |
| ii                                                | python-pip               | 8.1.1-2ubuntu0.4                              | all   | alternative Python package installer                                      |
| ii                                                | python-pip-whl           | 8.1.1-2ubuntu0.4                              | all   | alternative Python package installer                                      |
| ii                                                | python-pkg-resources     | 20.7.0-1                                      | all   | Package Discovery and Resource Access using pkg_resources                 |
| ii                                                | python-ply               | 3.7-1                                         | all   | Lex and Yacc implementation for Python2                                   |
| ii                                                | python-pygments          | 2.1+dfsg-1                                    |       |                                                                           |
|                                                   | all                      | syntax highlighting package written in Python |       |                                                                           |
| ii                                                | python-roman             | 2.0.0-2                                       | all   | module for generating/analyzing Roman numerals for Python 2               |
| ii                                                | python-setuptools        | 20.7.0-1                                      | all   | Python Distutils Enhancements                                             |
| ii                                                | python-six               | 1.10.0-3                                      | all   | Python 2 and 3 compatibility library (Python 2 interface)                 |
| ii                                                | python-sphinx            | 1.3.6-2ubuntu1                                | all   | documentation generator for Python projects (implemented in Python 2)     |
| ii                                                | python-sphinx-rtd-theme  | 0.1.9-1                                       | all   | sphinx theme from readthedocs.org (Python 2)                              |
| ii                                                | python-talloc            | 2.1.5-2                                       | amd64 | hierarchical pool based memory allocator - Python bindings                |
| ii                                                | python-tk                | 2.7.11-2                                      | amd64 | Tkinter - Writing Tk applications with Python                             |
| ii                                                | python-tz                | 2014.10~dfsg1-0ubuntu2                        | all   | Python version of the Olson timezone database                             |
| ii                                                | python-wheel             | 0.29.0-1                                      | all   | built-package format for Python                                           |
| ii                                                | python2.7                | 2.7.12-1ubuntu0~16.04.1                       | amd64 | Interactive high-level object-oriented language (version 2.7)             |
| ii                                                | python2.7-dev            | 2.7.12-1ubuntu0~16.04.1                       | amd64 | Header files and a static library for Python (v2.7)                       |
| ii                                                | python2.7-minimal        | 2.7.12-1ubuntu0~16.04.1                       | amd64 | Minimal subset of the Python language (version 2.7)                       |
| ii                                                | python3                  | 3.5.1-3                                       | amd64 | interactive high-level object-oriented language (default python3 version) |
| ii                                                | python3-apport           | 2.20.1-0ubuntu2.5                             | all   | Python 3 library for Apport crash report handling                         |
| ii                                                | python3-apt              | 1.1.0~beta1build1                             | amd64 | Python 3 interface to libapt-pkg                                          |
| ii                                                | python3-aptdaemon        | 1.1.1+bzr982-0ubuntu14                        | all   | Python 3 module                                                           |



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|----------------------------------------|----------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------|
| for the server and client of aptdaemon |                                                          |                                                                  |                                                   |
| ii                                     | python3-aptdaemon.gtk3widgets                            | 1.1.1+bzr982-0ubuntu14                                           | all                                               |
|                                        | Python 3 GTK+ 3 widgets to run an aptdaemon client       |                                                                  |                                                   |
| ii                                     | python3-aptdaemon.pkcompat                               | 1.1.1+bzr982-0ubuntu14                                           | all PackageKit                                    |
|                                        | compatibility for AptDaemon                              |                                                                  |                                                   |
| ii                                     | python3-blinker                                          | 1.3.dfsg2-1build1                                                | all fast, simple object-to-                       |
|                                        | object and broadcast signaling library                   |                                                                  |                                                   |
| ii                                     | python3-brlapi                                           | 5.3.1-2ubuntu2.1                                                 | amd64 Braille display access                      |
|                                        | via BRLTTY - Python3 bindings                            |                                                                  |                                                   |
| ii                                     | python3-bs4                                              | 4.4.1-1                                                          | all error-tolerant HTML parser                    |
|                                        | for Python 3                                             |                                                                  |                                                   |
| ii                                     | python3-cairo                                            | 1.10.0+dfsg-5build1                                              | amd64 Python 3 bindings for                       |
|                                        | the Cairo vector graphics library                        |                                                                  |                                                   |
| ii                                     | python3-cffi-backend                                     | 1.5.2-1ubuntu1                                                   |                                                   |
|                                        | amd64                                                    | Foreign Function Interface for Python 3 calling C code - runtime |                                                   |
| ii                                     | python3-chardet                                          | 2.3.0-2                                                          | all universal character encoding                  |
|                                        | detector for Python3                                     |                                                                  |                                                   |
| ii                                     | python3-checkbox-support                                 | 0.22-1                                                           | all collection of Python                          |
|                                        | modules used by PlainBox providers                       |                                                                  |                                                   |
| ii                                     | python3-commandnotfound                                  | 0.3ubuntu16.04.2                                                 | all Python 3 bindings                             |
|                                        | for command-not-found.                                   |                                                                  |                                                   |
| ii                                     | python3-cryptography                                     | 1.2.3-1ubuntu0.1                                                 | amd64 Python library                              |
|                                        | exposing cryptographic recipes and primitives (Python 3) |                                                                  |                                                   |
| ii                                     | python3-cups                                             | 1.9.73-0ubuntu2                                                  | amd64 Python3 bindings for                        |
|                                        | CUPS                                                     |                                                                  |                                                   |
| ii                                     | python3-cupshelpers                                      | 1.5.7+20160212-0ubuntu2                                          | all Python modules for printer configuration with |
|                                        | CUPS                                                     |                                                                  |                                                   |
| ii                                     | python3-dbus                                             | 1.2.0-3                                                          | amd64 simple interprocess                         |
|                                        | messaging system (Python 3 interface)                    |                                                                  |                                                   |
| ii                                     | python3-debian                                           | 0.1.27ubuntu2                                                    | all Python 3 modules to                           |
|                                        | work with Debian-related data formats                    |                                                                  |                                                   |
| ii                                     | python3-defer                                            | 1.0.6-2build1                                                    | all Small framework for                           |
|                                        | asynchronous programming (Python 3)                      |                                                                  |                                                   |
| ii                                     | python3-distupgrade                                      | 1:16.04.20                                                       | all manage release upgrades                       |
| ii                                     | python3-feedparser                                       | 5.1.3-3build1                                                    | all Universal Feed Parser for                     |
|                                        | Python 3                                                 |                                                                  |                                                   |
| ii                                     | python3-gdbm:amd64                                       | 3.5.1-1                                                          | amd64 GNU dbm database support for Python 3.x     |
|                                        |                                                          | amd64                                                            |                                                   |
| ii                                     | python3-gi                                               | 3.20.0-0ubuntu1                                                  | amd64 Python 3 bindings for                       |
|                                        | object-introspection libraries                           |                                                                  |                                                   |
| ii                                     | python3-gi-cairo                                         | 3.20.0-0ubuntu1                                                  | amd64 Python 3 Cairo                              |
|                                        | bindings for the GObject library                         |                                                                  |                                                   |
| ii                                     | python3-guacamole                                        | 0.9.2-1                                                          | all framework for creating                        |
|                                        | command line applications (Python 3)                     |                                                                  |                                                   |
| ii                                     | python3-html5lib                                         | 0.999-4                                                          | all HTML parser/tokenizer                         |
|                                        | based on the WHATWG HTML5 specification (Python 3)       |                                                                  |                                                   |
| ii                                     | python3-httplib2                                         | 0.9.1+dfsg-1                                                     | all comprehensive                                 |

|                                         |                        |       |                                                                    |  |
|-----------------------------------------|------------------------|-------|--------------------------------------------------------------------|--|
| HTTP client library written for Python3 |                        |       |                                                                    |  |
| ii python3-idna                         | 2.0-3                  | all   | Python IDNA2008 (RFC 5891) handling (Python 3)                     |  |
| ii python3-jinja2                       | 2.8-1                  | all   | small but fast and easy to use stand-alone template engine         |  |
| ii python3-jwt                          | 1.3.0-1                | all   | Python 3 implementation of JSON Web Token                          |  |
| ii python3-louis                        | 2.6.4-2                | all   | Python bindings for liblouis                                       |  |
| ii python3-lxml                         | 3.5.0-1build1          | amd64 | pythonic binding for the libxml2 and libxslt libraries             |  |
| ii python3-mako                         | 1.0.3+ds1-1ubuntu1     | all   | fast and lightweight templating for the Python 3 platform          |  |
| ii python3-markupsafe                   | 0.23-2build2           | amd64 | HTML/XHTML/XML string library for Python 3                         |  |
| ii python3-minimal                      | 3.5.1-3                | amd64 | minimal subset of the Python language (default python3 version)    |  |
| ii python3-oauthlib                     | 1.0.3-1                | all   | generic, spec-compliant implementation of OAuth for Python3        |  |
| ii python3-padme                        | 1.1.1-2                | all   | mostly transparent proxy class for Python 3                        |  |
| ii python3-pexpect                      | 4.0.1-1                | all   | Python 3 module for automating interactive applications            |  |
| ii python3-pil:amd64                    | 3.1.2-0ubuntu1         | amd64 | Python Imaging Library (Python3)                                   |  |
| ii python3-pkg-resources                | 20.7.0-1               | all   | Package Discovery and Resource Access using pkg_resources          |  |
| ii python3-plainbox                     | 0.25-1                 | all   | toolkit for software and hardware testing (python3 module)         |  |
| ii python3-problem-report               | 2.20.1-0ubuntu2.5      | all   | Python 3 library to handle problem reports                         |  |
| ii python3-ptyprocess                   | 0.5-1                  | all   | Run a subprocess in a pseudo terminal from Python 3                |  |
| ii python3-pyasn1                       | 0.1.9-1                | all   | ASN.1 library for Python (Python 3 module)                         |  |
| ii python3-pyatspi                      | 2.18.0+dfsg-3          | all   | Assistive Technology Service Provider Interface - Python3 bindings |  |
| ii python3-pycurl                       | 7.43.0-1ubuntu1        | amd64 | Python bindings to libcurl (Python 3)                              |  |
| ii python3-pyparsing                    | 2.0.3+dfsg1-1ubuntu0.1 | all   | Python parsing module, Python3 package                             |  |
| ii python3-renderpm:amd64               | 3.3.0-1                | amd64 | python low level render interface                                  |  |
| ii python3-reportlab                    | 3.3.0-1                | all   | ReportLab library to create PDF documents using Python3            |  |
| ii python3-reportlab-accel:amd64        | 3.3.0-1                | amd64 | C coded extension accelerator for the ReportLab                    |  |

|                                                                                     |                                  |       |                              |  |
|-------------------------------------------------------------------------------------|----------------------------------|-------|------------------------------|--|
| Toolkit                                                                             |                                  |       |                              |  |
| ii python3-requests<br>library for Python3, built for human beings                  | 2.9.1-3                          | all   | elegant and simple HTTP      |  |
| ii python3-six<br>library (Python 3 interface)                                      | 1.10.0-3                         | all   | Python 2 and 3 compatibility |  |
| ii python3-software-properties<br>that you install software from                    | 0.96.20.5                        | all   | manage the repositories      |  |
| ii python3-speechd<br>Speech Dispatcher                                             | 0.8.3-1ubuntu3                   | all   | Python interface to          |  |
| ii python3-systemd<br>systemd                                                       | 231-2build1                      | amd64 | Python 3 bindings for        |  |
| ii python3-uno<br>Python-UNO bridge                                                 | 1:5.1.4-0ubuntu1                 | amd64 |                              |  |
| ii python3-update-manager<br>update-manager                                         | 1:16.04.5                        | all   | python 3.x module for        |  |
| ii python3-urllib3<br>thread-safe connection pooling for Python3                    | 1.13.1-2ubuntu0.16.04.1          | all   | HTTP library with            |  |
| ii python3-xdg<br>freedesktop.org standards                                         | 0.25-4                           | all   | Python 3 library to access   |  |
| ii python3-xkit<br>of xorg.conf files (Python 3)                                    | 0.5.0ubuntu2                     | all   | library for the manipulation |  |
| ii python3-xlsxwriter<br>creating Excel XLSX files                                  | 0.7.3-1                          | all   | Python 3 module for          |  |
| ii python3.5<br>amd64 Interactive high-level object-oriented language (version 3.5) | 3.5.2-2ubuntu0~16.04.1           |       |                              |  |
| ii python3.5-minimal<br>of the Python language (version 3.5)                        | 3.5.2-2ubuntu0~16.04.1           | amd64 | Minimal subset               |  |
| ii qdbus                                                                            | 4:4.8.7+dfsg-5ubuntu2            | amd64 | Qt 4 D-Bus tool              |  |
| ii qml-module-io-thp-pyotherside:amd64<br>Python 3 Bindings for Qt 5 (QML plugin)   | 1.4.0-2                          | amd64 | asynchronous                 |  |
| ii qml-module-qt-labs-folderlistmodel:amd64<br>folderlistmodel QML module           | 5.5.1-2ubuntu6                   | amd64 | Qt 5                         |  |
| ii qml-module-qt-labs-settings:amd64<br>QML module                                  | 5.5.1-2ubuntu6                   | amd64 | Qt 5 settings                |  |
| ii qml-module-qtfeedback:amd64<br>Feedback<br>QML module                            | 5.0~git20130529-0ubuntu13        | amd64 | Qt 5                         |  |
| ii qml-module-qtgraphicaleffects:amd64<br>Graphical Effects module                  | 5.5.1-1ubuntu1                   | amd64 | Qt 5                         |  |
| ii qml-module-qtquick-layouts:amd64<br>Layouts QML module                           | 5.5.1-1ubuntu1                   | amd64 | Qt 5 Quick                   |  |
| ii qml-module-qtquick-window2:amd64<br>window 2 QML module                          | 5.5.1-2ubuntu6                   | amd64 | Qt 5                         |  |
| ii qml-module-qtquick2:amd64<br>2 QML module                                        | 5.5.1-2ubuntu6                   | amd64 | Qt 5 Qt Quick                |  |
| ii qml-module-qttest:amd64<br>module                                                | 5.5.1-2ubuntu6                   | amd64 | Qt 5 test QML                |  |
| ii qml-module-ubuntu-components:amd64                                               | 1.3.1918+16.04.20160404-0ubuntu1 | amd64 |                              |  |

Qt Components for Ubuntu - Components QML plugin

ii qml-module-ubuntu-layouts:amd64  
1.3.1918+16.04.20160404-0ubuntu1 amd64 Qt Components for Ubuntu - Layouts QML plugin

ii qml-module-ubuntu-onlineaccounts:amd64 0.6+16.04.20151106-0ubuntu1 amd64  
Expose the Online Accounts API to QML applications

ii qml-module-ubuntu-performancemetrics:amd64 1.3.1918+16.04.20160404-0ubuntu1 amd64  
Qt Components for Ubuntu - PerformanceMetrics QML plugin

ii qml-module-ubuntu-test:amd64 1.3.1918+16.04.20160404-0ubuntu1 amd64 Qt  
Components for Ubuntu - Test QML plugin

ii qml-module-ubuntu-web:amd64 0.23+16.04.20161028-0ubuntu2 amd64  
Ubuntu web QML module

ii qmlscene 5.5.1-2ubuntu6 amd64 Qt 5 QML scene viewer

ii qpdf 6.0.0-2  
amd64 tools for transforming and inspecting PDF files

ii qt-at-spi:amd64 0.4.0-3 amd64 at-spi accessibility plugin  
for Qt

ii qt-at-spi:i386 0.4.0-3 i386 at-spi accessibility plugin for  
Qt

ii qtchooser 52-gae5eeef-2build1~gcc5.2 amd64 Wrapper to select  
between Qt development binary versions

ii qtcore4-110n 4:4.8.7+dfsg-5ubuntu2 all Qt 4 core module  
translations

ii qtdeclarative5-accounts-plugin:amd64 0.6+16.04.20151106-0ubuntu1 amd64  
transitional dummy package for Online Accounts QML clients

ii qtdeclarative5-dev-tools 5.5.1-2ubuntu6  
amd64 Qt 5 declarative development programs

ii qtdeclarative5-qtquick2-plugin:amd64 5.5.1-2ubuntu6 amd64 transitional  
dummy package Qt 5 Qt Quick 2 QML module

ii qtdeclarative5-test-plugin:amd64 5.5.1-2ubuntu6 amd64 transitional  
dummy package for Qt 5 test QML module

ii qtdeclarative5-ubuntu-ui-toolkit-plugin 1.3.1918+16.04.20160404-0ubuntu1 amd64  
Transitional dummy package for Ubuntu UI Toolkit QML plugin

ii qtdeclarative5-unity-action-plugin:amd64 1.1.0+14.04.20140304-0ubuntu2~gcc5.1 amd64  
Unity Action QML Components

ii qttranslations5-110n 5.5.1-2build1 all translations for Qt 5

ii rake 10.5.0-2  
all ruby make-like utility

ii readline-common 6.3-8ubuntu2 all GNU readline and  
history libraries, common files

ii remmina 1.1.2-3ubuntu1 amd64 remote desktop client for  
GNOME desktop environment

ii remmina-common 1.1.2-3ubuntu1 all common files for  
remmina remote desktop client

ii remmina-plugin-rdp 1.1.2-3ubuntu1 amd64 RDP plugin for  
remmina remote desktop client

ii remmina-plugin-vnc 1.1.2-3ubuntu1 amd64 VNC plugin for  
remmina remote desktop client

ii rename 0.20-4

|                                                                    |     |                                            |       |                                    |
|--------------------------------------------------------------------|-----|--------------------------------------------|-------|------------------------------------|
|                                                                    | all | Perl extension for renaming multiple files |       |                                    |
| ii resolvconf                                                      |     | 1.78ubuntu2                                | all   | name server information            |
| handler                                                            |     |                                            |       |                                    |
| ii rfkill                                                          |     | 0.5-1ubuntu3                               | amd64 | tool for enabling and              |
| disabling wireless devices                                         |     |                                            |       |                                    |
| ii rhythmbox                                                       |     | 3.3-1ubuntu7                               | amd64 | music player and                   |
| organizer for GNOME                                                |     |                                            |       |                                    |
| ii rhythmbox-data                                                  |     | 3.3-1ubuntu7                               | all   | data files for rhythmbox           |
| ii rhythmbox-plugin-zeitgeist                                      |     | 3.3-1ubuntu7                               | all   | zeitgeist plugin for               |
| rhythmbox music player                                             |     |                                            |       |                                    |
| ii rhythmbox-plugins                                               |     | 3.3-1ubuntu7                               | amd64 |                                    |
| plugins for rhythmbox music player                                 |     |                                            |       |                                    |
| ii rsync                                                           |     | 3.1.1-3ubuntu1                             | amd64 | fast, versatile, remote (and       |
| local) file-copying tool                                           |     |                                            |       |                                    |
| ii rsyslog                                                         |     | 8.16.0-1ubuntu3                            | amd64 | reliable system and kernel         |
| logging daemon                                                     |     |                                            |       |                                    |
| ii rtkit                                                           |     | 0.11-4                                     | amd64 | Realtime Policy and Watchdog       |
| Daemon                                                             |     |                                            |       |                                    |
| ii ruby                                                            |     | 1:2.3.0+1                                  | all   | Interpreter of object-oriented     |
| scripting language Ruby (default version)                          |     |                                            |       |                                    |
| ii ruby-did-you-mean                                               |     | 1.0.0-2                                    | all   | smart error messages for           |
| Ruby > 2.3                                                         |     |                                            |       |                                    |
| ii ruby-minitest                                                   |     | 5.8.4-2                                    |       |                                    |
| all Ruby test tools supporting TDD, BDD, mocking, and benchmarking |     |                                            |       |                                    |
| ii ruby-net-telnet                                                 |     | 0.1.1-2                                    | all   | telnet client library              |
| ii ruby-power-assert                                               |     | 0.2.7-1                                    | all   | library showing values of          |
| variables and method calls in an expression                        |     |                                            |       |                                    |
| ii ruby-test-unit                                                  |     | 3.1.7-2                                    | all   | unit testing framework for         |
| Ruby                                                               |     |                                            |       |                                    |
| ii ruby2.3                                                         |     | 2.3.1-2~16.04                              | amd64 | Interpreter of object-             |
| oriented scripting language Ruby                                   |     |                                            |       |                                    |
| ii rubygems-integration                                            |     | 1.10                                       | all   | integration of Debian Ruby         |
| packages with Rubygems                                             |     |                                            |       |                                    |
| ii s-nail                                                          |     | 14.8.6-1                                   |       |                                    |
| amd64 feature-rich BSD mail(1)                                     |     |                                            |       |                                    |
| ii samba-ls:amd64                                                  |     | 2:4.3.11+dfsg-0ubuntu0.16.04.3             | amd64 | Samba core                         |
| libraries                                                          |     |                                            |       |                                    |
| ii sane-utils                                                      |     | 1.0.26-git20160712-xenial0                 | amd64 | API library for                    |
| scanners -- utilities                                              |     |                                            |       |                                    |
| ii sbsigntool                                                      |     | 0.6-0ubuntu10.1                            | amd64 | utility for signing and            |
| verifying files for UEFI Secure Boot                               |     |                                            |       |                                    |
| ii seahorse                                                        |     | 3.18.0-2ubuntu1                            | amd64 | GNOME front end for                |
| GnuPG                                                              |     |                                            |       |                                    |
| ii secureboot-db                                                   |     | 1.1                                        | amd64 | Secure Boot updates for DB         |
| and DBX                                                            |     |                                            |       |                                    |
| ii sed                                                             |     | 4.2.2-7                                    | amd64 | The GNU sed                        |
| stream editor                                                      |     |                                            |       |                                    |
| ii sensible-utils                                                  |     | 0.0.9                                      | all   | Utilities for sensible alternative |

|                                                    |                                        |       |                                     |
|----------------------------------------------------|----------------------------------------|-------|-------------------------------------|
| selection                                          |                                        |       |                                     |
| ii session-migration                               | 0.2.3                                  | amd64 | Tool to migrate in user             |
| session settings                                   |                                        |       |                                     |
| ii session-shortcuts                               | 1.2                                    | all   | Allows you to shutdown,             |
| logout, and reboot from dash                       |                                        |       |                                     |
| ii sessioninstaller                                | 0.20+bzr150-0ubuntu4.1                 | all   | APT based installer                 |
| using PackageKit's session Dbus API                |                                        |       |                                     |
| ii sgml-base                                       | 1.26+nmu4ubuntu1                       | all   | SGML infrastructure                 |
| and SGML catalog file support                      |                                        |       |                                     |
| ii shared-mime-info                                | 1.5-2ubuntu0.1                         | amd64 | FreeDesktop.org                     |
| shared MIME database and spec                      |                                        |       |                                     |
| ii shim                                            | 0.8-0ubuntu2                           | amd64 | boot loader to chain-load           |
| signed boot loaders under Secure Boot              |                                        |       |                                     |
| ii shim-signed                                     | 1.19~16.04.1+0.8-0ubuntu2              | amd64 | Secure Boot                         |
| chain-loading bootloader (Microsoft-signed binary) |                                        |       |                                     |
| ii shotwell                                        | 0.22.0+git20160108.r1.f2fb1f7-0ubuntu1 | amd64 | digital photo                       |
| organizer                                          |                                        |       |                                     |
| ii shotwell-common                                 | 0.22.0+git20160108.r1.f2fb1f7-0ubuntu1 | all   | digital photo                       |
| organizer - common files                           |                                        |       |                                     |
| ii signon-keyring-extension                        | 0.6+14.10.20140513-0ubuntu2            | amd64 | GNOME                               |
| keyring extension for signond                      |                                        |       |                                     |
| ii signon-plugin-oauth2                            | 0.23+16.04.20151209-0ubuntu1           | amd64 |                                     |
| Single Signon oauth2 plugin                        |                                        |       |                                     |
| ii signon-plugin-password                          | 8.58+16.04.20151106-0ubuntu1           | amd64 | Plain                               |
| Password plugin for Single Sign On                 |                                        |       |                                     |
| ii signon-ui                                       | 0.17+16.04.20151125-0ubuntu1           | all   | Dummy transitional                  |
| package for signon-ui                              |                                        |       |                                     |
| ii signon-ui-service                               | 0.17+16.04.20151125-0ubuntu1           | all   | D-Bus service                       |
| file for signon-ui                                 |                                        |       |                                     |
| ii signon-ui-x11                                   | 0.17+16.04.20151125-0ubuntu1           | amd64 | Single Sign-on                      |
| UI                                                 |                                        |       |                                     |
| ii signond                                         | 8.58+16.04.20151106-0ubuntu1           | amd64 | Single Sign On                      |
| framework                                          |                                        |       |                                     |
| ii simple-scan                                     | 3.20.0-0ubuntu1                        | amd64 | Simple Scanning                     |
| Utility                                            |                                        |       |                                     |
| ii skype:i386                                      | 4.3.0.37-1                             | i386  | Wherever you are, wherever they are |
|                                                    |                                        |       |                                     |
| ii slack-desktop                                   | 2.4.2                                  | amd64 | Slack Desktop                       |
| ii smartmontools                                   | 6.4+svn4214-1                          | amd64 | control and monitor                 |
| storage systems using S.M.A.R.T.                   |                                        |       |                                     |
| ii snap-confine                                    | 2.20.1ubuntu1                          | amd64 | Support executable to               |
| apply confinement for snappy apps                  |                                        |       |                                     |
| ii snapd                                           | 2.20.1ubuntu1                          | amd64 | Tool to interact with               |
| Ubuntu Core Snappy.                                |                                        |       |                                     |
| ii snapd-login-service                             | 1.2-0ubuntu1.1~xenial                  | amd64 | Daemon to allow                     |
| non-root access to snapd                           |                                        |       |                                     |
| ii sni-qt:amd64                                    |                                        |       |                                     |

|                                          |                               |                          |       |                                                                 |
|------------------------------------------|-------------------------------|--------------------------|-------|-----------------------------------------------------------------|
| 0.2.7+15.10.20150729-0ubuntu1            | amd64                         | indicator support for Qt |       |                                                                 |
| ii sni-qt:i386                           | 0.2.7+15.10.20150729-0ubuntu1 |                          | i386  | indicator support for Qt                                        |
| ii software-properties-common            | 0.96.20.5                     |                          | all   | manage the repositories that you install software from (common) |
| ii software-properties-gtk               | 0.96.20.5                     |                          | all   | manage the repositories that you install software from (gtk)    |
| ii sound-theme-freedesktop               | 0.8-1                         |                          | all   | freedesktop.org sound theme                                     |
| ii speech-dispatcher                     | 0.8.3-1ubuntu3                |                          | amd64 | Common interface to speech synthesizers                         |
| ii speech-dispatcher-audio-plugins:amd64 | 0.8.3-1ubuntu3                |                          | amd64 | Speech Dispatcher: Audio output plugins                         |
| ii sphinx-common                         | 1.3.6-2ubuntu1                |                          | all   | documentation generator for Python projects - common data       |
| ii sphinx-doc                            | 1.3.6-2ubuntu1                |                          | all   | documentation generator for Python projects - documentation     |
| ii sphinx-rtd-theme-common               | 0.1.9-1                       |                          | all   | sphinx theme from readthedocs.org (common files)                |
| ii squashfs-tools                        | 1:4.3-3ubuntu2                |                          | amd64 | Tool to create and append to squashfs filesystems               |
| ii ssl-cert                              | 1.0.37                        |                          | all   | simple debconf wrapper for OpenSSL                              |
| ii steam-launcher                        | 1.0.0.54                      |                          | all   | Launcher for the Steam software distribution service            |
| ii strace                                | 4.11-1ubuntu3                 |                          | amd64 | System call tracer                                              |
| ii sudo                                  | 1.8.16-0ubuntu1.2             |                          | amd64 | Provide limited super user privileges to specific users         |
| ii suru-icon-theme                       | 14.04+16.04.20161024-0ubuntu1 |                          | all   | Ubuntu Suru Icon theme                                          |
| ii swig                                  | 3.0.8-0ubuntu3                |                          | amd64 | Generate scripting interfaces to C/C++ code                     |
| ii swig3.0                               | 3.0.8-0ubuntu3                |                          | amd64 | Generate scripting interfaces to C/C++ code                     |
| ii syslinux                              | 3:6.03+dfsg-11ubuntu1         |                          | amd64 | collection of bootloaders (DOS FAT and NTFS bootloader)         |
| ii syslinux-common                       | 3:6.03+dfsg-11ubuntu1         |                          | all   | collection of bootloaders (common)                              |
| ii syslinux-legacy                       | 2:3.63+dfsg-2ubuntu8          |                          | amd64 | Bootloader for Linux/i386 using MS-DOS floppies                 |
| ii sysstat                               | 11.2.0-1ubuntu0.1             |                          | amd64 | system performance tools for Linux                              |
| ii system-config-printer-common          | 1.5.7+20160212-0ubuntu2       |                          | all   | Printer configuration GUI                                       |
| ii system-config-printer-gnome           | 1.5.7+20160212-0ubuntu2       |                          | all   | Printer configuration GUI                                       |
| ii system-config-printer-udev            | 1.5.7+20160212-0ubuntu2       |                          | amd64 |                                                                 |

Printer auto-configuration facility based on udev

|                                                                                    |                       |       |                                        |
|------------------------------------------------------------------------------------|-----------------------|-------|----------------------------------------|
| ii systemd manager                                                                 | 229-4ubuntu16         | amd64 | system and service                     |
| ii systemd-sysv manager - SysV links                                               | 229-4ubuntu16         | amd64 | system and service                     |
| ii sysv-rc change mechanism                                                        | 2.88dsf-59.3ubuntu2   | all   | System-V-like runlevel                 |
| ii sysvinit-utils                                                                  | 2.88dsf-59.3ubuntu2   | amd64 | System-V-like utilities                |
| ii t1utils font manipulation programs                                              | 1.39-2                | amd64 | Collection of simple Type 1            |
| ii tar the tar archiving utility                                                   | 1.28-2.1ubuntu0.1     | amd64 | GNU version of                         |
| ii tcl (default version) - shell                                                   | 8.6.0+9               | amd64 | Tool Command Language                  |
| ii tcl8.6 Language) v8.6 - shell                                                   | 8.6.5+dfsg-2          | amd64 | Tcl (the Tool Command                  |
| ii tcpd wrapper utilities                                                          | 7.6.q-25              | amd64 | Wietse Venema's TCP                    |
| ii tcpdump traffic analyzer                                                        | 4.7.4-1ubuntu1        | amd64 | command-line network                   |
| ii teamviewer:i386 Control Application)                                            | 11.0.57095            | i386  | TeamViewer (Remote                     |
| ii telnet                                                                          | 0.17-40               | amd64 | basic telnet client                    |
| ii tex-common installing TeX                                                       | 6.04                  | all   | common infrastructure for building and |
| ii tex-gyre OpenType fonts based on URW Fonts                                      | 20150923-1            | all   | scalable PostScript and                |
| ii texlive selection of the TeX Live packages                                      | 2015.20160320-1       | all   | TeX Live: A decent                     |
| ii texlive-base programs and files                                                 | 2015.20160320-1       | all   | TeX Live: Essential                    |
| ii texlive-binaries Live                                                           | 2015.20160222.37495-1 | amd64 | Binaries for TeX                       |
| ii texlive-extra-utils programs                                                    | 2015.20160320-1       | all   | TeX Live: TeX auxiliary                |
| ii texlive-font-utils                                                              | 2015.20160320-1       | all   | TeX Live: Graphics and font utilities  |
| ii texlive-fonts-recommended Recommended fonts                                     | 2015.20160320-1       | all   | TeX Live:                              |
| ii texlive-fonts-recommended-doc Documentation files for texlive-fonts-recommended | 2015.20160320-1       | all   | TeX Live:                              |
| ii texlive-generic-recommended Generic recommended packages                        | 2015.20160320-1       | all   | TeX Live:                              |
| ii texlive-lang-english English                                                    | 2015.20160223-1       | all   | TeX Live: US and UK                    |
| ii texlive-lang-italian                                                            | 2015.20160223-1       | all   | TeX Live: Italian                      |
| ii texlive-latex-base                                                              |                       |       |                                        |



|                                                   |       |                                                    |       |                                |
|---------------------------------------------------|-------|----------------------------------------------------|-------|--------------------------------|
| 2015.20160320-1                                   | all   | TeX Live: LaTeX fundamental packages               |       |                                |
| ii texlive-latex-base-doc                         |       | 2015.20160320-1                                    | all   | TeX Live:                      |
| Documentation files for texlive-latex-base        |       |                                                    |       |                                |
| ii texlive-latex-extra                            |       | 2015.20160320-1                                    | all   | TeX Live: LaTeX                |
| additional packages                               |       |                                                    |       |                                |
| ii texlive-latex-extra-doc                        |       | 2015.20160320-1                                    | all   | TeX Live:                      |
| Documentation files for texlive-latex-extra       |       |                                                    |       |                                |
| ii texlive-latex-recommended                      |       | 2015.20160320-1                                    | all   | TeX Live: LaTeX                |
| recommended packages                              |       |                                                    |       |                                |
| ii texlive-latex-recommended-doc                  |       | 2015.20160320-1                                    | all   | TeX Live:                      |
| Documentation files for texlive-latex-recommended |       |                                                    |       |                                |
| ii texlive-pictures                               |       |                                                    |       |                                |
| 2015.20160320-1                                   | all   | TeX Live: Graphics, pictures, diagrams             |       |                                |
| ii texlive-pictures-doc                           |       | 2015.20160320-1                                    | all   | TeX Live:                      |
| Documentation files for texlive-pictures          |       |                                                    |       |                                |
| ii texlive-pstricks                               |       | 2015.20160320-1                                    | all   | TeX Live: PSTricks             |
| ii texlive-pstricks-doc                           |       | 2015.20160320-1                                    | all   | TeX Live:                      |
| Documentation files for texlive-pstricks          |       |                                                    |       |                                |
| ii texlive-science                                |       | 2015.20160320-1                                    | all   | TeX Live: Natural and          |
| computer sciences                                 |       |                                                    |       |                                |
| ii texlive-science-doc                            |       | 2015.20160320-1                                    | all   | TeX Live:                      |
| Documentation files for texlive-science           |       |                                                    |       |                                |
| ii texmaker                                       |       |                                                    |       |                                |
| 4.4.1-1.1                                         | amd64 | cross-platform LaTeX editor                        |       |                                |
| ii texmaker-data                                  |       | 4.4.1-1.1                                          | all   | Texmaker LaTeX editor --       |
| arch-independent files                            |       |                                                    |       |                                |
| ii thermald                                       |       | 1.5-2ubuntu2                                       | amd64 | Thermal monitoring and         |
| controlling daemon                                |       |                                                    |       |                                |
| ii thunderbird                                    |       | 1:45.7.0+build1-0ubuntu0.16.04.1                   | amd64 | Email, RSS and                 |
| newsgroup client with integrated spam filter      |       |                                                    |       |                                |
| ii thunderbird-gnome-support                      |       | 1:45.7.0+build1-0ubuntu0.16.04.1                   | amd64 | Email,                         |
| RSS and newsgroup client - GNOME support          |       |                                                    |       |                                |
| ii thunderbird-locale-en                          |       | 1:45.7.0+build1-0ubuntu0.16.04.1                   | amd64 | English                        |
| language pack for Thunderbird                     |       |                                                    |       |                                |
| ii thunderbird-locale-en-gb                       |       |                                                    |       |                                |
| 1:45.7.0+build1-0ubuntu0.16.04.1                  | all   | Transitional English language pack for Thunderbird |       |                                |
| ii thunderbird-locale-en-us                       |       | 1:45.7.0+build1-0ubuntu0.16.04.1                   | all   | Transitional                   |
| English language pack for Thunderbird             |       |                                                    |       |                                |
| ii thunderbird-locale-it                          |       | 1:45.7.0+build1-0ubuntu0.16.04.1                   | amd64 | Italian                        |
| language pack for Thunderbird                     |       |                                                    |       |                                |
| ii time                                           |       | 1.7-25.1                                           | amd64 | GNU time program for           |
| measuring CPU resource usage                      |       |                                                    |       |                                |
| ii tipa                                           |       | 2:1.3-20                                           | all   | system for processing phonetic |
| symbols in LaTeX                                  |       |                                                    |       |                                |
| ii tk                                             |       | 8.6.0+9                                            | amd64 | Toolkit for Tcl and X11        |
| (default version) - windowing shell               |       |                                                    |       |                                |
| ii tk8.6                                          |       |                                                    |       |                                |

|                                        |                                 |       |                                               |
|----------------------------------------|---------------------------------|-------|-----------------------------------------------|
|                                        | 8.6.5-1                         | amd64 | Tk toolkit for Tcl and X11 v8.6 -             |
| windowing shell                        |                                 |       |                                               |
| ii tk8.6-blt2.5                        | 2.5.3+dfsg-3                    | amd64 | graphics extension library                    |
| for Tcl/Tk - library                   |                                 |       |                                               |
| ii tlp                                 | 0.8-1                           | all   | Save battery power on laptops                 |
| ii tlp-rdw                             | 0.8-1                           | all   | Radio device wizard                           |
| ii toshset                             | 1.76-4                          | amd64 | Access much of the Toshiba                    |
| laptop hardware interface              |                                 |       |                                               |
| ii totem                               | 3.18.1-1ubuntu4                 | amd64 | Simple media player for                       |
| the GNOME desktop based on GStreamer   |                                 |       |                                               |
| ii totem-common                        | 3.18.1-1ubuntu4                 | all   | Data files for the Totem media player         |
| ii totem-plugins                       | 3.18.1-1ubuntu4                 | amd64 | Plugins for the Totem                         |
| media player                           |                                 |       |                                               |
| ii traceroute                          | 1:2.0.21-1                      | amd64 | Traces the route taken by                     |
| packets over an IPv4/IPv6 network      |                                 |       |                                               |
| ii transmission-common                 | 2.84-3ubuntu3                   | all   | lightweight                                   |
| BitTorrent client (common files)       |                                 |       |                                               |
| ii transmission-gtk                    | 2.84-3ubuntu3                   | amd64 | lightweight BitTorrent                        |
| client (GTK+ interface)                |                                 |       |                                               |
| ii tree                                | 1.7.0-3                         | amd64 | displays an indented directory                |
| tree, in color                         |                                 |       |                                               |
| ii ttf-ancient-fonts-symbola           | 2.59-1                          | all   | symbolic font providing emoji characters from |
| Unicode 7.0 (transitional package)     |                                 |       |                                               |
| ii ttf-bitstream-vera                  | 1.10-8                          | all   | The Bitstream Vera family of                  |
| free TrueType fonts                    |                                 |       |                                               |
| ii ttf-ubuntu-font-family              | 1:0.83-0ubuntu2                 | all   | Ubuntu Font Family,                           |
| sans-serif typeface hinted for clarity |                                 |       |                                               |
| ii tzdata                              | 2016j-0ubuntu0.16.04            | all   | time zone and daylight-                       |
| saving time data                       |                                 |       |                                               |
| ii ubuntu-artwork                      | 1:14.04+16.04.20161024-0ubuntu1 | all   | Ubuntu themes                                 |
| and artwork                            |                                 |       |                                               |
| ii ubuntu-core-launcher                | 2.20.1ubuntu1                   | amd64 | Launcher for                                  |
| ubuntu-core                            |                                 |       |                                               |
| (snappy) apps                          |                                 |       |                                               |
| ii ubuntu-desktop                      | 1.361                           | amd64 | The Ubuntu desktop                            |
| system                                 |                                 |       |                                               |
| ii ubuntu-docs                         | 16.04.4                         | all   | Ubuntu Desktop Guide                          |
| ii ubuntu-drivers-common               | 1:0.4.17.2                      | amd64 | Detect and install                            |
| additional Ubuntu driver packages      |                                 |       |                                               |
| ii ubuntu-keyring                      | 2012.05.19                      | all   | GnuPG keys of the Ubuntu                      |
| archive                                |                                 |       |                                               |
| ii ubuntu-minimal                      | 1.361                           | amd64 | Minimal core of Ubuntu                        |
| ii ubuntu-mobile-icons                 | 14.04+16.04.20161024-0ubuntu1   | all   | Ubuntu                                        |
| Mobile Icon theme                      |                                 |       |                                               |
| ii ubuntu-mono                         |                                 |       |                                               |

|                                                                             |                                               |                        |       |                                                                |
|-----------------------------------------------------------------------------|-----------------------------------------------|------------------------|-------|----------------------------------------------------------------|
| 14.04+16.04.20161024-0ubuntu1                                               | all                                           | Ubuntu Mono Icon theme |       |                                                                |
| ii ubuntu-release-upgrader-core<br>upgrades                                 | 1:16.04.20                                    |                        | all   | manage release                                                 |
| ii ubuntu-release-upgrader-gtk<br>upgrades                                  | 1:16.04.20                                    |                        | all   | manage release                                                 |
| ii ubuntu-restricted-addons<br>restricted packages for Ubuntu               | 23                                            |                        | amd64 | Commonly used                                                  |
| ii ubuntu-session                                                           | 3.18.1.2-1ubuntu1.16.04.2                     |                        | all   | Ubuntu session                                                 |
| ii ubuntu-settings<br>Ubuntu desktop                                        | 15.10.8                                       |                        | all   | default settings for the                                       |
| ii ubuntu-software<br>for browsing, installing,<br>and removing software    | 3.20.1+git20161013.0.d77d6cf-0ubuntu2~xenial1 |                        | amd64 | Utility                                                        |
| ii ubuntu-sounds<br>theme                                                   | 0.13                                          |                        | all   | Ubuntu's GNOME audio                                           |
| ii ubuntu-standard<br>system                                                | 1.361                                         |                        | amd64 | The Ubuntu standard                                            |
| ii ubuntu-system-service<br>system-wide configurations                      | 0.3                                           |                        | all   | DBus service to set various                                    |
| ii ubuntu-touch-sounds<br>Touch image                                       | 15.08                                         |                        | all   | sounds for the Ubuntu                                          |
| ii ubuntu-ui-toolkit-theme<br>Components for Ubuntu - Ubuntu Theme          | 1.3.1918+16.04.20160404-0ubuntu1              |                        | amd64 | Qt                                                             |
| ii ubuntu-wallpapers                                                        | 16.04.1-0ubuntu1                              |                        | all   | Ubuntu Wallpapers                                              |
| ii ubuntu-wallpapers-xenial<br>16.04.1-0ubuntu1                             |                                               | all                    |       | Ubuntu 16.04 Wallpapers                                        |
| ii ucf<br>preserve user changes to config files                             | 3.0036                                        |                        | all   | Update Configuration File(s):                                  |
| ii udev<br>management daemon                                                | 229-4ubuntu16                                 |                        | amd64 | /dev/ and hotplug                                              |
| ii udisks2<br>and manipulate storage devices                                | 2.1.7-1ubuntu1                                |                        | amd64 | D-Bus service to access                                        |
| ii ufw<br>Netfilter firewall                                                | 0.35-0ubuntu2                                 |                        | all   | program for managing a                                         |
| ii unattended-upgrades<br>of security upgrades                              | 0.90ubuntu0.3                                 |                        | all   | automatic installation                                         |
| ii unity<br>7.4.0+16.04.20160906-0ubuntu1                                   |                                               | amd64                  |       | Interface designed for efficiency of<br>space and interaction. |
| ii unity-accessibility-profiles<br>Manager - Unity profile data             | 0.1.10-0ubuntu3                               |                        | all   | Accessibility Profile                                          |
| ii unity-asset-pool<br>Pool                                                 | 0.8.24+15.04.20141217-0ubuntu2                |                        | all   | Unity Assets                                                   |
| ii unity-control-center<br>configure the GNOME desktop                      | 15.04.0+16.04.20160705-0ubuntu1               |                        | amd64 | utilities to                                                   |
| ii unity-control-center-faces<br>configure the GNOME desktop - faces images | 15.04.0+16.04.20160705-0ubuntu1               |                        | all   | utilities to                                                   |
| ii unity-control-center-signon                                              | 0.1.8+16.04.20160201-0ubuntu1                 |                        | amd64 | Unity                                                          |

Control Center extension for single signon

|    |                                                                     |                                  |       |               |                 |
|----|---------------------------------------------------------------------|----------------------------------|-------|---------------|-----------------|
| ii | unity-greeter                                                       | 16.04.2-0ubuntu1                 | amd64 | Unity Greeter |                 |
| ii | unity-gtk-module-common<br>files for GtkMenuShell D-Bus exporter    | 0.0.0+15.04.20150118-0ubuntu2    |       | all           | Common          |
| ii | unity-gtk2-module:amd64<br>GtkMenuShell D-Bus exporter              | 0.0.0+15.04.20150118-0ubuntu2    | amd64 |               |                 |
| ii | unity-gtk3-module:amd64<br>GtkMenuShell D-Bus exporter              | 0.0.0+15.04.20150118-0ubuntu2    | amd64 |               |                 |
| ii | unity-lens-applications<br>lens for unity                           | 7.1.0+16.04.20160701-0ubuntu1    |       | amd64         | Application     |
| ii | unity-lens-files<br>unity                                           | 7.1.0+16.04.20151217-0ubuntu1    |       | amd64         | File lens for   |
| ii | unity-lens-music<br>Music lens for unity                            | 6.9.1+16.04-0ubuntu1             |       | amd64         |                 |
| ii | unity-lens-photos<br>Unity                                          | 1.0+14.04.20140318-0ubuntu1      |       | all           | Photos lens for |
| ii | unity-lens-video<br>lens                                            | 0.3.15+16.04.20160212.1-0ubuntu1 |       | amd64         | Unity Video     |
| ii | unity-schemas<br>designed for efficiency of space and interaction.  | 7.4.0+16.04.20160906-0ubuntu1    |       | all           | Interface       |
| ii | unity-scope-calculator<br>scope for Unity                           | 0.1+14.04.20140328-0ubuntu1      |       | all           | Calculator      |
| ii | unity-scope-chromiumbookmarks<br>Chromium bookmarks scope for Unity | 0.1+13.10.20130723-0ubuntu1      |       | all           |                 |
| ii | unity-scope-colourlovers<br>COLOURlovers scope for Unity            | 0.1+13.10.20130723-0ubuntu1      |       | all           |                 |
| ii | unity-scope-devhelp<br>devhelp scope for Unity                      | 0.1+14.04.20140328-0ubuntu1      | all   |               |                 |
| ii | unity-scope-firefoxbookmarks<br>bookmarks scope for Unity           | 0.1+13.10.20130809.1-0ubuntu1    |       | all           | Firefox         |
| ii | unity-scope-gdrive<br>scope for Unity                               | 0.9+16.04.20151125-0ubuntu1      |       | all           | Google Drive    |
| ii | unity-scope-home<br>that aggregates results from multiple scopes    | 6.8.2+16.04.20160212.1-0ubuntu1  |       | amd64         | Home scope      |
| ii | unity-scope-manpages<br>scope for Unity                             | 3.0+14.04.20140324-0ubuntu1      |       | all           | Manual pages    |
| ii | unity-scope-openclipart<br>scope for Unity                          | 0.1+13.10.20130723-0ubuntu1      |       | all           | OpenClipArt     |
| ii | unity-scope-texdoc<br>all Texdoc scope for Unity                    | 0.1+14.04.20140328-0ubuntu1      |       |               |                 |
| ii | unity-scope-tomboy<br>for Unity                                     | 0.1+13.10.20130723-0ubuntu1      |       | all           | Tomboy scope    |
| ii | unity-scope-video-remote<br>videos engine                           | 0.3.15+16.04.20160212.1-0ubuntu1 |       | amd64         | Remote          |
| ii | unity-scope-virtualbox<br>scope for Unity                           | 0.1+13.10.20130723-0ubuntu1      |       | all           | VirtualBox      |
| ii | unity-scope-yelp<br>Help scope for                                  | 0.1+13.10.20130723-0ubuntu1      |       | all           |                 |

|                                |                                 |  |       |                                                                |
|--------------------------------|---------------------------------|--|-------|----------------------------------------------------------------|
| Unity                          |                                 |  |       |                                                                |
| ii unity-scope-zotero          | 0.1+13.10.20130723-0ubuntu1     |  | all   | Zotero scope for Unity                                         |
| ii unity-scopes-master-default | 6.8.2+16.04.20160212.1-0ubuntu1 |  | all   | Home scope that aggregates results from multiple scopes        |
| ii unity-scopes-runner         | 7.1.4+16.04.20160701-0ubuntu1   |  | all   | desktop runner for miscellaneous scopes                        |
| ii unity-services              | 7.4.0+16.04.20160906-0ubuntu1   |  | amd64 | Services for the Unity interface                               |
| ii unity-settings-daemon       | 15.04.1+16.04.20160701-0ubuntu1 |  | amd64 | daemon handling the Unity session settings                     |
| ii unity-webapps-common        | 2.4.17+15.10.20150616-0ubuntu2  |  | all   | Unity WebApp integration scripts                               |
| ii unity-webapps-qml           | 0.1+16.04.20160114-0ubuntu1     |  | amd64 | Unity Webapps QML component                                    |
| ii unity-webapps-service       | 2.5.0~+16.04.20160201-0ubuntu1  |  | amd64 | Service for Web Apps integration with the Unity desktop        |
| ii uno-libs3                   | 5.1.4-0ubuntu1                  |  | amd64 | LibreOffice UNO runtime environment -- public shared libraries |
| ii unzip                       | 6.0-20ubuntu1                   |  | amd64 | De-archiver for .zip files                                     |
| ii update-inetd                | 4.43                            |  | all   | inetd configuration file updater                               |
| ii update-manager              | 1:16.04.5                       |  | all   | GNOME application that manages apt updates                     |
| ii update-manager-core         | 1:16.04.5                       |  | all   | manage release upgrades                                        |
| ii update-notifier             | 3.168.3                         |  | amd64 | Daemon which notifies about package updates                    |
| ii update-notifier-common      | 3.168.3                         |  | all   | Files shared between update-notifier and other packages        |
| ii upower                      | 0.99.4-2ubuntu0.3               |  | amd64 | abstraction for power management                               |
| ii upstart                     | 1.13.2-0ubuntu21.1              |  | amd64 | event-based init daemon - essential binaries                   |
| ii ure                         | 5.1.4-0ubuntu1                  |  | amd64 | LibreOffice UNO runtime environment                            |
| ii ureadahead                  | 0.100.0-19                      |  | amd64 | Read required files in advance                                 |
| ii usb-creator-common          | 0.3.2                           |  | amd64 | create a startup disk using a CD or disc image (common files)  |
| ii usb-creator-gtk             | 0.3.2                           |  | amd64 | create a startup disk using a CD or disc image (for GNOME)     |
| ii usb-modeswitch              | 2.2.5+repack0-1ubuntu1          |  | amd64 | mode switching tool for controlling "flip flop" USB devices    |
| ii usb-modeswitch-data         | 20151101-1                      |  | all   | mode switching data for usb-modeswitch                         |
| ii usbmuxd                     | 1.1.0-2                         |  | amd64 | USB multiplexor daemon for iPhone and iPod Touch devices       |
| ii usbutils                    | 1:007-4                         |  | amd64 | Linux USB utilities                                            |
| ii util-linux                  | 2.27.1-6ubuntu3.2               |  | amd64 | miscellaneous system                                           |

|                                                |                                                          |       |       |                                        |
|------------------------------------------------|----------------------------------------------------------|-------|-------|----------------------------------------|
| utilities                                      |                                                          |       |       |                                        |
| ii uuid-runtime                                | 2.27.1-6ubuntu3.2                                        |       |       |                                        |
| amd64                                          | runtime components for the Universally Unique ID library |       |       |                                        |
| ii va-driver-all:amd64                         | 1.7.0-1                                                  | amd64 |       | Video Acceleration (VA)                |
| API -- driver metapackage                      |                                                          |       |       |                                        |
| ii vbetool                                     | 1.1-3                                                    | amd64 |       | run real-mode video BIOS               |
| code to alter hardware state                   |                                                          |       |       |                                        |
| ii vdpau-driver-all:amd64                      | 1.1.1-3ubuntu1                                           |       | amd64 | Video Decode and                       |
| Presentation API for Unix (driver metapackage) |                                                          |       |       |                                        |
| ii vdpau-va-driver:amd64                       | 0.7.4-5                                                  |       | amd64 | VDPAAU-based                           |
| backend for VA API                             |                                                          |       |       |                                        |
| ii vim                                         | 2:7.4.1689-3ubuntu1.2                                    |       | amd64 | Vi IMproved -                          |
| enhanced vi editor                             |                                                          |       |       |                                        |
| ii vim-common                                  | 2:7.4.1689-3ubuntu1.2                                    |       |       |                                        |
| amd64                                          | Vi IMproved - Common files                               |       |       |                                        |
| ii vim-runtime                                 | 2:7.4.1689-3ubuntu1.2                                    |       | all   | Vi IMproved - Runtime                  |
| files                                          |                                                          |       |       |                                        |
| ii vim-tiny                                    | 2:7.4.1689-3ubuntu1.2                                    |       | amd64 | Vi IMproved -                          |
| enhanced vi editor - compact version           |                                                          |       |       |                                        |
| ii vino                                        | 3.8.1-0ubuntu9.1                                         |       | amd64 | VNC server for GNOME                   |
| ii virtualbox-5.1                              | 5.1.14-112924~Ubuntu~xenial                              |       | amd64 | Oracle VM                              |
| VirtualBox                                     |                                                          |       |       |                                        |
| ii wamerican                                   | 7.1-1                                                    |       | all   | American English dictionary            |
| words for /usr/share/dict                      |                                                          |       |       |                                        |
| ii wbritish                                    | 7.1-1                                                    |       | all   | British                                |
| English dictionary words for /usr/share/dict   |                                                          |       |       |                                        |
| ii webapp-container                            | 0.23+16.04.20161028-0ubuntu2                             |       | amd64 | Ubuntu web                             |
| applications container                         |                                                          |       |       |                                        |
| ii webbrowser-app                              | 0.23+16.04.20161028-0ubuntu2                             |       | amd64 | Ubuntu web                             |
| browser                                        |                                                          |       |       |                                        |
| ii wget                                        | 1.17.1-1ubuntu1.1                                        |       | amd64 | retrieves files from the               |
| web                                            |                                                          |       |       |                                        |
| ii whiptail                                    | 0.52.18-1ubuntu2                                         |       | amd64 | Displays user-friendly                 |
| dialog boxes from shell scripts                |                                                          |       |       |                                        |
| ii whois                                       | 5.2.11                                                   |       | amd64 | intelligent WHOIS client               |
| ii whoopsie                                    | 0.2.52.2                                                 |       | amd64 | Ubuntu error tracker                   |
| submission                                     |                                                          |       |       |                                        |
| ii whoopsie-preferences                        | 0.18                                                     |       | amd64 | System preferences for error reporting |
| amd64                                          |                                                          |       |       |                                        |
| ii wireless-regdb                              | 2015.07.20-1ubuntu1                                      |       | all   | wireless regulatory                    |
| database                                       |                                                          |       |       |                                        |
| ii wireless-tools                              | 30~pre9-8ubuntu1                                         |       | amd64 | Tools for                              |
| manipulating Linux Wireless Extensions         |                                                          |       |       |                                        |
| ii witalian                                    | 1.7.6                                                    |       | all   | Italian dictionary words for           |
| /usr/share/dict/                               |                                                          |       |       |                                        |
| ii wpasupplicant                               | 2.4-0ubuntu6                                             |       | amd64 | client support for WPA                 |
| and WPA2 (IEEE 802.11i)                        |                                                          |       |       |                                        |
| ii wxcrafter                                   | 2.7-1.xenial                                             |       | amd64 | gui generator plugin for               |

|                                                |                   |                        |       |                                              |
|------------------------------------------------|-------------------|------------------------|-------|----------------------------------------------|
| codelite                                       |                   |                        |       |                                              |
| ii x11-apps                                    | 7.7+5+nmu1ubuntu1 | amd64                  |       | X applications                               |
| ii x11-common                                  |                   | 1:7.7+13ubuntu3        | all   | X Window System                              |
| (X.Org) infrastructure                         |                   |                        |       |                                              |
| ii x11-session-utils                           |                   | 7.7+2                  | amd64 | X session utilities                          |
| ii x11-utils                                   |                   | 7.7+3                  | amd64 | X11 utilities                                |
| ii x11-xkb-utils                               |                   | 7.7+2                  | amd64 | X11 XKB utilities                            |
| ii x11-xserver-utils                           |                   | 7.7+7                  | amd64 | X server utilities                           |
| ii x11proto-composite-dev                      |                   | 1:0.4.2-2              | all   | X11 Composite                                |
| extension wire protocol                        |                   |                        |       |                                              |
| ii x11proto-core-dev                           | 7.0.28-2ubuntu1   |                        | all   | X11 core wire protocol and auxiliary headers |
| ii x11proto-damage-dev                         |                   | 1:1.2.1-2              | all   | X11 Damage extension                         |
| wire protocol                                  |                   |                        |       |                                              |
| ii x11proto-dri2-dev                           |                   | 2.8-2                  | all   | X11 DRI2 extension wire                      |
| protocol                                       |                   |                        |       |                                              |
| ii x11proto-fixes-dev                          |                   | 1:5.0-2ubuntu2         | all   | X11 Fixes extension                          |
| wire protocol                                  |                   |                        |       |                                              |
| ii x11proto-gl-dev                             |                   | 1.4.17-1               | all   | X11 OpenGL extension wire                    |
| protocol                                       |                   |                        |       |                                              |
| ii x11proto-input-dev                          |                   | 2.3.1-1                | all   | X11 Input extension wire                     |
| protocol                                       |                   |                        |       |                                              |
| ii x11proto-kb-dev                             | 1.0.7-0ubuntu1    |                        | all   | X11 XKB extension wire protocol              |
| ii x11proto-randr-dev                          |                   | 1.5.0-1                | all   | X11 RandR extension wire                     |
| protocol                                       |                   |                        |       |                                              |
| ii x11proto-render-dev                         |                   | 2:0.11.1-2             | all   | X11 Render extension                         |
| wire protocol                                  |                   |                        |       |                                              |
| ii x11proto-xext-dev                           |                   | 7.3.0-1                | all   | X11 various extension wire                   |
| protocol                                       |                   |                        |       |                                              |
| ii x11proto-xf86vidmode-dev                    |                   | 2.3.1-2                | all   | X11 Video Mode                               |
| extension wire protocol                        |                   |                        |       |                                              |
| ii x11proto-xinerama-dev                       |                   | 1.2.1-2                | all   | X11 Xinerama extension                       |
| wire protocol                                  |                   |                        |       |                                              |
| ii xauth                                       |                   | 1:1.0.9-1ubuntu2       | amd64 |                                              |
| X authentication utility                       |                   |                        |       |                                              |
| ii xbitmaps                                    |                   | 1.1.1-2                | all   | Base X bitmaps                               |
| ii xbrlapi                                     |                   | 5.3.1-2ubuntu2.1       | amd64 | Access software for a                        |
| blind person using a braille display - xbrlapi |                   |                        |       |                                              |
| ii xcursor-themes                              |                   | 1.0.4-1                | all   | Base X cursor themes                         |
| ii xdg-user-dirs                               |                   | 0.15-2ubuntu6          | amd64 | tool to manage well                          |
| known user directories                         |                   |                        |       |                                              |
| ii xdg-user-dirs-gtk                           |                   | 0.10-1ubuntu1          | amd64 | tool to manage well                          |
| known user directories (Gtk extension)         |                   |                        |       |                                              |
| ii xdg-utils                                   |                   | 1.1.1-1ubuntu1.16.04.1 | all   | desktop integration                          |
| utilities from freedesktop.org                 |                   |                        |       |                                              |
| ii xdiagnose                                   |                   | 3.8.4.1                | all   | X.org diagnosis tool                         |

|    |                                                     |                                                  |       |                              |
|----|-----------------------------------------------------|--------------------------------------------------|-------|------------------------------|
| ii | xfonts-base                                         | 1:1.0.4+nmu1                                     | all   | standard fonts for X         |
| ii | xfonts-encodings                                    | 1:1.0.4-2                                        | all   | Encodings for X.Org fonts    |
| ii | xfonts-scalable                                     | 1:1.0.3-1.1                                      | all   | scalable fonts for X         |
| ii | xfonts-utils                                        | 1:7.7+3                                          | amd64 | X Window System font         |
|    | utility programs                                    |                                                  |       |                              |
| ii | xinit                                               | 1.3.4-3ubuntu0.1                                 | amd64 | X server initialisation tool |
| ii | xinput                                              | 1.6.2-1                                          |       |                              |
|    | amd64                                               | Runtime configuration and test of XInput devices |       |                              |
| ii | xkb-data                                            | 2.16-1ubuntu1                                    | all   | X Keyboard Extension         |
|    | (XKB) configuration data                            |                                                  |       |                              |
| ii | xml-core                                            | 0.13+nmu2                                        | all   | XML infrastructure and       |
|    | XML catalog file support                            |                                                  |       |                              |
| ii | xorg                                                | 1:7.7+13ubuntu3                                  | amd64 | X.Org X Window System        |
| ii | xorg-docs-core                                      | 1:1.7.1-1ubuntu1                                 | all   | Core documentation for       |
|    | the X.org X Window System                           |                                                  |       |                              |
| ii | xorg-sgml-doctools                                  | 1:1.11-1                                         | all   | Common tools for building    |
|    | X.Org SGML documentation                            |                                                  |       |                              |
| ii | xserver-common                                      | 2:1.18.4-0ubuntu0.2                              |       |                              |
|    | all                                                 | common files used by various X servers           |       |                              |
| ii | xserver-xorg                                        | 1:7.7+13ubuntu3                                  | amd64 | X.Org X server               |
| ii | xserver-xorg-core                                   | 2:1.18.4-0ubuntu0.2                              | amd64 | Xorg X server -              |
|    | core server                                         |                                                  |       |                              |
| ii | xserver-xorg-input-all                              | 1:7.7+13ubuntu3                                  | amd64 | X.Org X server --            |
|    | input driver metapackage                            |                                                  |       |                              |
| ii | xserver-xorg-input-evdev                            | 1:2.10.1-1ubuntu2                                | amd64 | X.Org X server --            |
|    | evdev input driver                                  |                                                  |       |                              |
| ii | xserver-xorg-input-synaptics                        | 1.8.2-1ubuntu3                                   | amd64 | Synaptics                    |
|    | TouchPad driver for X.Org server                    |                                                  |       |                              |
| ii | xserver-xorg-input-vmouse                           | 1:13.1.0-1ubuntu2                                | amd64 | X.Org                        |
|    | X server -- VMMouse input driver to use with VMWare |                                                  |       |                              |
| ii | xserver-xorg-input-wacom                            | 1:0.32.0-0ubuntu3                                | amd64 | X.Org X server               |
|    | -- Wacom input driver                               |                                                  |       |                              |
| ii | xserver-xorg-video-all                              | 1:7.7+13ubuntu3                                  | amd64 | X.Org X server --            |
|    | output driver metapackage                           |                                                  |       |                              |
| ii | xserver-xorg-video-amdgpu                           | 1.1.0-1                                          | amd64 | X.Org X server --            |
|    | AMDGPU display driver                               |                                                  |       |                              |
| ii | xserver-xorg-video-ati                              | 1:7.7.0-1                                        | amd64 | X.Org X server --            |
|    | AMD/ATI display driver wrapper                      |                                                  |       |                              |
| ii | xserver-xorg-video-fbdev                            | 1:0.4.4-1build5                                  | amd64 | X.Org X server --            |
|    | fbdev display driver                                |                                                  |       |                              |
| ii | xserver-xorg-video-intel                            | 2:2.99.917+git20160325-1ubuntu1.2                | amd64 |                              |
|    | X.Org X server -- Intel i8xx, i9xx display driver   |                                                  |       |                              |
| ii | xserver-xorg-video-nouveau                          | 1:1.0.12-1build2                                 | amd64 | X.Org X server -             |
|    | - Nouveau display driver                            |                                                  |       |                              |
| ii | xserver-xorg-video-qxl                              | 0.1.4-3ubuntu3                                   | amd64 | X.Org X server --            |
|    | QXL display driver                                  |                                                  |       |                              |
| ii | xserver-xorg-video-radeon                           | 1:7.7.0-1                                        | amd64 | X.Org X server --            |
|    | AMD/ATI Radeon display driver                       |                                                  |       |                              |



|                                                                    |                              |                                                  |                              |
|--------------------------------------------------------------------|------------------------------|--------------------------------------------------|------------------------------|
| ii xserver-xorg-video-vesa<br>VESA display driver                  | 1:2.3.4-1build2              | amd64                                            | X.Org X server --            |
| ii xserver-xorg-video-vmware<br>-- VMware display driver           | 1:13.1.0-2ubuntu3            | amd64                                            | X.Org X server               |
| ii xterm<br>emulator                                               | 322-1ubuntu1                 | amd64                                            | X terminal                   |
| ii xtrans-dev<br>(development files)                               | 1.3.5-1                      | all                                              | X transport library          |
| ii xul-ext-ubufox<br>Firefox                                       | 3.2-0ubuntu1                 | all                                              | Ubuntu modifications for     |
| ii xz-utils<br>compression utilities                               | 5.1.1alpha+20120614-2ubuntu2 | amd64                                            | XZ-format                    |
| ii yelp                                                            | 3.18.1-1ubuntu4              | amd64                                            | Help browser for GNOME       |
| ii yelp-xsl<br>help browser                                        | 3.18.1-1                     | all                                              | XSL stylesheets for the yelp |
| ii zeitgeist-core<br>framework - engine                            | 0.9.16-0ubuntu4              | amd64                                            | event logging                |
| ii zeitgeist-datahub<br>0.9.16-0ubuntu4                            | amd64                        | event logging framework - passive logging daemon |                              |
| ii zenity<br>boxes from shell scripts                              | 3.18.1.1-1ubuntu2            | amd64                                            | Display graphical dialog     |
| ii zenity-common<br>dialog boxes from shell scripts (common files) | 3.18.1.1-1ubuntu2            | all                                              | Display graphical            |
| ii zip                                                             | 3.0-11                       | amd64                                            | Archiver for .zip files      |
| ii zlib1g:amd64<br>- runtime                                       | 1:1.2.8.dfsg-2ubuntu4        | amd64                                            | compression library          |
| ii zlib1g:i386<br>runtime                                          | 1:1.2.8.dfsg-2ubuntu4        | i386                                             | compression library -        |
| ii zlib1g-dev:amd64<br>1:1.2.8.dfsg-2ubuntu4                       | amd64                        | compression library - development                |                              |

Found in path(s):

```
* /opt/cola/permits/1847414501_1702138933.17577/0/295b9e165630428509cb78428a3228df-
a33984527a42fe4c3a6bea86d6b9a4e91b9b88e7-zip/295b9e165630428509cb78428a3228df-
a33984527a42fe4c3a6bea86d6b9a4e91b9b88e7/packages.list
```

## 1.744 findutils 4.6.0-21.el8

### 1.744.1 Available under license :

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Version 3, 29 June 2007

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## 1.746 procps 2:3.3.16-1ubuntu2.4

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## 1.747 pam 1.3.1-27.el8

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## 1.748 util-linux 2.32.1-43.el8

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```
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CP#vMOoYL?6]2z({CLYj0
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Oxy[aB*"/_U~fQHO(3[b%o )+lq#+_d<QdLd=$1p!h0h6nfN=I+GNrk gKOL3\N3"uGxfIC
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;*!;_>KfBqxY(F|0.Ve%S61opMG`YfRXx+sS|11np#_(~*uM%S61opMG`YfRXvY[R+t[ BS=)d
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```
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This is free software, and you are welcome to redistribute  
it  
under certain conditions; type `show c' for details.
```

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<signature of Ty Coon>, 1 April 1989  
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```
#!/usr/bin/env bash
# MIT licenses will each have a unique MD5 sum since they contain a unique copyright.
# This script will read the license file into memory, strip out the copyright, and then
# generate an MD5 that is not unique and can be matched against a known MIT MD5 sum.
set -e
```

```
calculate_md5_sum() {
  local FILE="$1"

  # Read the contents of the file into a variable
  local raw_license_text=$(<"$FILE")

  # Convert to lowercase
  local lowercase_license_text="${raw_license_text,,}"

  # Remove anything before the beginning of the license
  local stripped_license_text=$(awk '/permission is hereby granted,/{p=1} p' <<< "$lowercase_license_text")

  # Replace line breaks (Windows or Linux) with a single space
  local replaced_linebreaks=$(tr '\r\n' ' ' <<< "$stripped_license_text")

  # Replace multiple spaces with a single space
  local normalized_license_text=$(tr -s ' ' <<< "$replaced_linebreaks")

  # Strip away any non-printable, non-whitespace characters
  local clean_unprintable_license_text=$(tr
  -cd '[:print:][:space:]' <<< "$normalized_license_text")

  # Remove punctuation and special characters
  local clean_license_text=$(echo "$clean_unprintable_license_text" | sed 's/[^a-zA-Z ]//g')

  # Calculate the MD5 sum of the cleaned license text
  local MD5SUM=$(echo -n "$clean_license_text" | md5sum | awk '{print $1}')
```



```

# Output the MD5 sum
echo "$MD5SUM"
}

# Check if the FILE argument is provided
if [ -z "$1" ]; then
echo "Please provide a FILE as an argument."
exit 1
fi

# Invoke the function with the provided FILE argument
calculate_md5_sum "$1"

```

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# 1.749 libdnf 0.63.0-17.el8\_9

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## 1.750 glibc 2.28-236.el8.7

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## 1.751 systemd 239-78.el8

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## 1.752 crypto-policies 20230731-

### 1.git3177e06.el8

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## 1.753 redhatrelease 8.9-0.1.el8

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## 1.754 elfutils 0.189-3.el8

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```
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# 1.755 audit 3.0.7-5.el8

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## 1.756.1 Available under license :

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?RCS:

?MAKE:d\_lgamma\_r: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_lgamma\_r:

?S: This variable conditionally defines the HAS\_LGAMMA\_R symbol, which

?S: indicates to the C program that the lgamma\_r() routine is available

?S: for the log gamma function, without using the global signgam variable.

?S:.

?C:HAS\_LGAMMA\_R:

?C: This symbol, if defined, indicates that the lgamma\_r routine is

?C: available to do the log gamma function without using the global

?C: signgam variable.

?C:.

?H:#\$d\_lgamma\_r HAS\_LGAMMA\_R /\*\*/

?H:.

?LINT:set d\_lgamma\_r

: see if lgamma\_r exists

set lgamma\_r d\_lgamma\_r

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_lgamma\_r.U

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?RCS: \$Id\$

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_dbmunitproto: Hasproto i\_dbm

?MAKE: -pick add \$@ %<

?S:d\_dbminiproto:  
?S: This variable conditionally defines the HAS\_DBMINIT\_PROTO symbol,  
?S: which indicates to the C program that the system provides  
?S: a prototype for the dbminiproto() function. Otherwise, it is  
?S: up to the program to supply one.

?S:.

?C:HAS\_DBMINIT\_PROTO:

?C: This symbol, if defined, indicates that the system provides

?C: a prototype for the dbminiproto() function. Otherwise, it is up

?C: to the program to supply one. A good guess is

?C: extern

```
int dbminiproto(char *);
```

?C:.

?H:#\$d\_dbminiproto HAS\_DBMINIT\_PROTO /\*\*/

?H:.

?LINT:set d\_dbminiproto

: see if prototype for dbminiproto is available

```
echo " "
```

```
set d_dbminiproto dbminiproto $i_dbm dbm.h
```

```
eval $hasproto
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_dbminiproto.U
```

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?RCS: \$Id: Extract.U,v 3.0.1.2 1997/02/28 14:58:52 ram Exp \$

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?RCS:

?RCS: \$Log: Extract.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 14:58:52 ram

?RCS: patch61: added support for src.U

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 15:51:46 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS:

?RCS: Revision 3.0 1993/08/18 12:04:52 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit produces a shell script which can be doted in order to extract

```

?X: .SH files with variable substitutions.
?X:
?X: When running
    Configure from a remote directory ($src is not '.'),
?X: then the files will be created in that directory, so beware!
?X:
?MAKE:Extract: src
?MAKE: -pick add $@ %<
?F:./extract
?T:PERL_CONFIG_SH dir file name create mkdir_p
: script used to extract .SH files with variable substitutions
cat >extract <<'EOS'
PERL_CONFIG_SH=true
echo "Doing variable substitutions on .SH files..."
if test -f MANIFEST; then
    set x `awk '{print $1}' < MANIFEST | grep '\.SH$`
else
    echo "(Looking for .SH files under the source directory.)"
    set x `(cd "$src"; find . -name "*.SH" -print)`
fi
shift
case $# in
0) set x `(cd "$src"; echo *.SH)`; shift;;
esac
if test ! -f "$src/$1"; then
    shift
fi
?X: script to emulate mkdir -p
mkdir_p='
name=$1;
create="";
while test $name; do
if test ! -d "$name"; then
    create="$name $create";
    name=`echo $name | sed -e "s|^[^/]*$||"`;
    name=`echo $name | sed -e "s|(.*).*/.*|1|"`;
else
    name="";
fi;
done;
for file in $create; do
    mkdir $file;
done
'
for file in $*;
do
case "$src" in
".")

```

```

case "$file" in
*/*)
dir=`expr X$file : 'X\(.*)/'`
file=`expr X$file : 'X.*\(.*)'`
(cd "$dir" && ./$file)
;;
*)
./$file
;;
esac

```

```

;;
*)

```

?X:

?X: When running Configure remotely (\$src is not '.'), we cannot source the files directly, since that would wrongly cause the extraction where the source lie instead of withing the current directory. Therefore, we need to 'sh <file' then, which is okay since they will source the existing config.sh file. It's not possible to use: ..src/Configure -S -O -Dsomething unfortunately since no new config.sh with the -Dsomething override will be created before running the .SH files. A minor buglet.

?X:

?X: Note that we must create the directory hierarchy ourselves if it does not exist already, and that is done through a shell emulation of the 'mkdir -p' command. We don't want to use the \$installdir metaconfig symbol here since that would require too much to be configured for

?X: this simple extraction task that may happen quickly with 'Configure -S'.

?X: -- RAM, 18/03/96

?X:

```

case "$file" in
*/*)
dir=`expr X$file : 'X\(.*)/'`
file=`expr X$file : 'X.*\(.*)'`
(set x $dir; shift; eval $mkdir_p)
sh <"$src/$dir/$file"
;;
*)
sh <"$src/$file"
;;
esac
;;
esac
done

```

if test -f "\$src/config\_h.SH"; then

if test ! -f config.h; then

: oops, they left it out of MANIFEST, probably, so do it anyway.

.\$src/config\_h.SH"

fi  
fi  
EOS

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Extract.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_safemcpy.U,v 3.0.1.5 1997/02/28 15:41:12 ram Exp \$

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: d\_safemcpy.U,v \$

?RCS: Revision 3.0.1.5 1997/02/28 15:41:12 ram

?RCS: patch61: improved overlapping copy check

?RCS: patch61: comfort them if they have memmove

?RCS: patch61: added ?F: metalint hint

?RCS:

?RCS: Revision 3.0.1.4 1995/07/25 13:58:46 ram

?RCS: patch56: re-arranged compile line to include ldflags before objects

?RCS:

?RCS: Revision 3.0.1.3 1995/03/21 08:47:26 ram

?RCS: patch52: swapped two first arguments of memcopy() calls

?RCS:

?RCS:

Revision 3.0.1.2 1994/10/29 16:15:10 ram

?RCS: patch36: added 'ldflags' to the test compile line (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 14:53:12 ram

?RCS: patch23: ensure string is not optimized in read-only memory (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:06:58 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_safemcpy: Compile cat d\_memcopy rm\_try run \

d\_memmove i\_memory i\_stdlib i\_string i\_unistd Oldconfig Setvar

?MAKE: -pick add \$@ %<

?S:d\_safemcpy:

?S: This variable conditionally defines the HAS\_SAFE\_MEMCPY symbol if

?S: the memcopy() routine can do overlapping copies.

?S: For overlapping copies, memmove() should be used, if available.

```

?S:.
?C:HAS_SAFE_MEMCPY (SAFE_MEMCPY):
?C: This symbol, if defined, indicates that the memcpy routine is available
?C: to copy potentially overlapping memory blocks. If you need to
?C: copy overlapping memory blocks, you should check HAS_MEMMOVE and
?C: use memmove() instead, if available.
?C:.
?H:#$d_safemcpy HAS_SAFE_MEMCPY /**/
?H:.
?F:!try
?LINT:
set d_safemcpy
: can memcpy handle overlapping blocks?
echo " "
?X: assume the worst
val="$undef"
case "$d_memmove" in
"$define") echo "I'll use memmove() instead of memcpy() for overlapping copies." ;;
*) case "$d_memcpy" in
"$define")
echo "Checking to see if memcpy() can do overlapping copies..." >&4
$cat >try.c <<EOCP
#i_memory I_MEMORY
#i_stdlib I_STDLIB
#i_string I_STRING
#i_unistd I_UNISTD
EOCP
$cat >>try.c <<'EOCP'
#include <stdio.h>
#ifdef I_MEMORY
# include <memory.h>
#endif
#ifdef I_STDLIB
# include <stdlib.h>
#endif
#ifdef I_STRING
# include <string.h>
#else
# include <strings.h>
#endif
#ifdef I_UNISTD
# include <unistd.h> /* Needed for NetBSD */
#endif
int main()
{
char buf[128], abc[128];
char *b;
int len;

```

```

int off;
int align;

/* Copy "abcde..." string to char abc[] so that gcc doesn't
   try to store the string in read-only memory. */
memcpy(abc, "abcdefghijklmnopqrstuvwxy0123456789", 36);

```

```

for (align = 7; align >=
0; align--) {
for (len = 36; len; len--) {
b = buf+align;
memcpy(b, abc, len);
for (off = 1; off <= len; off++) {
memcpy(b+off, b, len);
memcpy(b, b+off, len);
if (memcmp(b, abc, len))
exit(1);
}
}
}
exit(0);
}

```

EOCP

```

set try
if eval $compile_ok; then
if $run ./try 2>/dev/null; then
echo "Yes, it can."
val="$define"
else
echo "It can't, sorry."
fi
else
echo "(I can't compile the test program, so we'll assume not...)"
fi
;;
esac
$rm_try
;;
esac
set d_safemcpy
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_safemcpy.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_endservent\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_endservent\_r endservent\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_endservent\_r:

?S: This variable conditionally defines the HAS\_ENDSERVENT\_R symbol,

?S: which indicates to the C program that the endservent\_r()

?S: routine is available.

?S:.

?S:endservent\_r\_proto:

?S: This variable encodes the prototype of endservent\_r.

?S: It is zero if d\_endservent\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_endservent\_r

?S: is defined.

?S:.

?C:HAS\_ENDSERVENT\_R:

?C: This symbol, if defined, indicates that the endservent\_r routine

?C: is

available to endservent re-entrantly.

?C:.

?C:ENDSERVENT\_R\_PROTO:

?C: This symbol encodes the prototype of endservent\_r.

?C: It is zero if d\_endservent\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_endservent\_r

?C: is defined.

?C:.

?H:#\$d\_endservent\_r HAS\_ENDSERVENT\_R /\*\*/  
 ?H:#define ENDSERVENT\_R\_PROTO \$endservent\_r\_proto /\*\*/  
 ?H:.

?T:try hdrs d\_endservent\_r\_proto  
 : see if endservent\_r exists  
 set endservent\_r d\_endservent\_r  
 eval \$inlibc  
 case "\$d\_endservent\_r" in  
 "\$define")  
 hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_netdb netdb.h"  
 case "\$d\_endservent\_r\_proto:\$usethreads" in  
 ":define") d\_endservent\_r\_proto=define  
 set d\_endservent\_r\_proto endservent\_r \$hdrs  
 eval \$hasproto ;;  
 \*) ;;  
 esac



```

case "$d_endservent_r_proto" in
define)
case "$endservent_r_proto" in
"|0) try='int endservent_r(struct servent_data*);'
./protochk "$extern_C $try" $hdrs && endservent_r_proto=I_D ;;
esac
case "$endservent_r_proto" in
"|0) try='void endservent_r(struct
servent_data*);'
./protochk "$extern_C $try" $hdrs && endservent_r_proto=V_D ;;
esac
case "$endservent_r_proto" in
"|0) d_endservent_r=undef
endservent_r_proto=0
echo "Disabling endservent_r, cannot determine prototype." >&4 ;;
* ) case "$endservent_r_proto" in
REENTRANT_PROTO*) ;;
*) endservent_r_proto="REENTRANT_PROTO_$endservent_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "endservent_r has no prototype, not using it." >&4 ;;
esac
d_endservent_r=undef
endservent_r_proto=0
;;
esac
;;
*) endservent_r_proto=0
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_endservent\_r.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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```

?RCS:
?RCS: $Log: package.U,v $
?RCS: Revision 3.0.1.3 1994/10/29 16:27:21 ram
?RCS: patch36: beware of non-ascii character sets when translating case
?RCS:
?RCS: Revision 3.0.1.2 1993/11/10 17:37:02 ram
?RCS: patch14: skip definition of spackage if not otherwise used
?RCS:
?RCS: Revision 3.0.1.1 1993/09/13 16:11:10 ram
?RCS: patch10: added package, suitable for starting sentences
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:28 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:package spackage:
Nothing
?MAKE: -pick wipe $@ %<
?S:package:
?S: This variable contains the name of the package being constructed.
?S: It is primarily intended for the use of later Configure units.
?S:.
?S:spackage:
?S: This variable contains the name of the package being constructed,
?S: with the first letter uppercased, i.e. suitable for starting
?S: sentences.
?S:.
?C:PACKAGE:
?C: This variable contains the name of the package being built.
?C:.
?H:#define PACKAGE "$package"
?H:.
?T:first last
: set package name
package='<PACKAGENAME>'
@if spackage
first=`echo $package | sed -e 's/^(.).*\1/'`
last=`echo $package | sed -e 's/^(.*)\1/'`
?X:
?X: So early in the Configure script, we don't have ./tr set up and can't
?X: include Tr in our dependency or that would create a cycle. Therefore,
?X: we have to somehow duplicate the work done in Tr. That's life.
?X:
case "`echo AbyZ | tr '[:lower:]' '[:upper:]' 2>/dev/null`" in
ABYZ) spackage=`echo $first | tr '[:lower:]' '[:upper:]'`$last;;
*) spackage=`echo
$first | tr '[a-z]' '[A-Z]'`$last;;
esac
@end

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/package.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_csh.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:32:18 ram

?RCS: patch61: added full\_csh to preserve the full path even when portable

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:53 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_csh full\_csh: csh Setvar

?MAKE: -pick add \$@ %<

?S:d\_csh:

?S: This variable conditionally defines the CSH symbol, which

?S: indicates to the C program that the C-shell exists.

?S:.

?S:full\_csh:

?S: This variable contains the full pathname to 'csh', whether  
or

?S: not the user has specified 'portability'. This is only used

?S: in the compiled C program, and we assume that all systems which

?S: can share this executable will have the same full pathname to

?S: 'csh.'

?S:.

?C:HAS\_CSH:

?C: This symbol, if defined, indicates that the C-shell exists.

?C:.

?C:CSH:

?C: This symbol, if defined, contains the full pathname of csh.

?C:.

?X: Previously, I just did \$d\_csh CSH "\$full\_csh", but that caused

?X: problems on VMS where the config.sh extraction program changes

?X: \$undef to a real cpp undef, and they then had #undef CSH ""

?X: which the compiler didn't like. It's easy to work around this,

?X: so I did. --AD 3/1998.

```

?X: And we don't want to define CSH if !HAS_CSH, but we don't want
?X: those lines in config.h if they don't need CSH, so protect with ?CSH
?X: and not ?%<. --RAM, 15/02/2004
?H:??<:#$d_csh HAS_CSH /**/
?H:?CSH:#ifdef HAS_CSH
?H:?CSH:#define CSH "$full_csh" /**/
?H:?CSH:#endif
?H:.
?LINT:set d_csh
: get csh whereabouts
case
"$csh" in
'csh') val="$undef" ;;
*) val="$define" ;;
esac
set d_csh
eval $setvar
: Respect a hint or command line value for full_csh.
case "$full_csh" in
") full_csh=$csh ;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_csh.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: byteorder.U,v 3.0.1.2 1997/02/28 15:24:55 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
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?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: byteorder.U,v $
?RCS: Revision 3.0.1.2 1997/02/28 15:24:55 ram
?RCS: patch61: no longer ask the user if the test runs ok
?RCS:
?RCS: Revision 3.0.1.1 1994/10/29 16:02:58 ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:28 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:byteorder: cat Myread Oldconfig Loc Compile rm_try run \

```

```

multiarch uvtype uvsize i_stdlib
?MAKE: -pick add $@ %<
?S:byteorder:
?S: This
    variable holds the byte order in a UV. In the following,
?S: larger digits indicate more significance. The variable byteorder
?S: is either 4321 on a big-endian machine, or 1234 on a little-endian,
?S: or 87654321 on a Cray ... or 3412 with weird order !
?S:.
?C:BYTEORDER:
?C: This symbol holds the hexadecimal constant defined in byteorder,
?C: in a UV, i.e. 0x1234 or 0x4321 or 0x12345678, etc...
?C: If the compiler supports cross-compiling or multiple-architecture
?C: binaries, use compiler-defined macros to
?C: determine the byte order.
?C:.
?H:%<:#if defined(MULTIARCH)
?H:%<:#  ifdef __LITTLE_ENDIAN__
?H:%<:#    if LONGSIZE == 4
?H:%<:#      define BYTEORDER 0x1234
?H:%<:#    else
?H:%<:#      if LONGSIZE == 8
?H:%<:#        define BYTEORDER 0x12345678
?H:%<:#      endif
?H:%<:#    endif
?H:%<:#  else
?H:%<:#    ifdef __BIG_ENDIAN__
?H:%<:#      if LONGSIZE == 4
?H:%<:#        define BYTEORDER 0x4321
?H:%<:#      else
?H:%<:#        if LONGSIZE
== 8
?H:%<:#          define BYTEORDER 0x87654321
?H:%<:#        endif
?H:%<:#      endif
?H:%<:#    endif
?H:%<:#  endif
?H:%<:#else
?H:%<:#define BYTEORDER 0x$byteorder /* large digits for MSB */
?H:%<:#endif
?H:.
?T:xxx_prompt
?F:!try
: check for ordering of bytes in a UV
echo " "
case "$multiarch" in
*$define*)
$cat <<EOM

```

You seem to be doing a multiarchitecture build,  
skipping the byteorder check.

EOM

```
byteorder='ffff'  
;;  
*)  
case "$byteorder" in  
")  
$cat <<'EOM'
```

In the following, larger digits indicate more significance. A big-endian machine like a Pyramid or a Motorola 680?0 chip will come out to 4321. A little-endian machine like a Vax or an Intel 80?86 chip would be 1234. Other machines may have weird orders like 3412. A Cray will report 87654321, an Alpha will report 12345678. If the test program works the default is probably right.

I'm now running the test program...

EOM

```
$cat >try.c <<EOCP  
#include <stdio.h>  
#$_stdlib I_STDLIB  
#ifdef I_STDLIB  
#include <stdlib.h>  
#endif  
#include  
<sys/types.h>  
typedef $uvtype UV;  
int main()  
{  
int i;  
union {  
UV l;  
char c[$uvsize];  
} u;  
  
if ($uvsize > 4)  
u.l = (((UV)0x08070605) << 32) | (UV)0x04030201;  
else  
u.l = (UV)0x04030201;  
for (i = 0; i < $uvsize; i++)  
printf("%c", u.c[i]+'0');  
printf("\n");  
exit(0);  
}  
EOCP  
xxx_prompt=y  
set try  
if eval $compile && $run ./try > /dev/null; then
```

```

dflt=`$run ./try`
case "$dflt" in
[1-4][1-4][1-4][1-4]12345678|87654321)
echo "(The test program ran ok.)"
echo "byteorder=$dflt"
xxx_prompt=n
;;
????|????????) echo "(The test program ran ok.)" ;;
*) echo "(The test program didn't run right for some reason.)" ;;
esac
else
dflt='4321'
cat <<'EOM'

```

(I can't seem to compile the test program. Guessing big-endian...)

EOM

```

fi
case "$xxx_prompt" in
y)
rp="What is the order of bytes in $svtype?"
./myread
byteorder="$ans"
;;
*) byteorder=$dflt
;;
esac
;;
esac
$rm_try
;;
esac

```

Found in path(s):

\*

/opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/byteorder.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_dbm.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_dbm.U,v \$

```

?RCS: Revision 3.0.1.2 1997/02/28 15:48:20 ram
?RCS: patch61: added I_RPCSVCS_DBM check
?RCS:
?RCS: Revision 3.0.1.1 1995/05/12 12:16:05 ram
?RCS: patch54: made more robust by checking both header and lib (ADO)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:08:15 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:i_dbm i_rpcsvcdbm: Inhdr Inlibc Setvar
?MAKE: -pick add $@ %<
?S:i_dbm (d_odbm):
?S: This variable conditionally defines
the I_DBM symbol, which
?S: indicates to the C program that <dbm.h> exists and should
?S: be included.
?S:.
?S:i_rpcsvcdbm:
?S: This variable conditionally defines the I_RPCSVCS_DBM symbol, which
?S: indicates to the C program that <rpcsvc/dbm.h> exists and should
?S: be included. Some System V systems might need this instead of <dbm.h>.
?S:.
?C:I_DBM (HAS_ODBM ODBM):
?C: This symbol, if defined, indicates that <dbm.h> exists and should
?C: be included.
?C:.
?C:I_RPCSVCS_DBM:
?C: This symbol, if defined, indicates that <rpcsvc/dbm.h> exists and
?C: should be included.
?C:.
?H:#$i_dbm I_DBM /**/
?H:#$i_rpcsvcdbm I_RPCSVCS_DBM /**/
?H:.
?T:d_dbmclose
?LINT:set i_dbm i_rpcsvcdbm
: see if dbm.h is available
?X: We might just have the header, not the library.
?X: We look for dbmclose() rather than dbmopen() because
?X: some versions of SCO Unix have -ldb, but are missing dbmclose(). -- ADO
?X: Some System V systems have <rpcsvc/dbm.h> instead of <dbm.h>.
: see if dbmclose exists
set dbmclose
d_dbmclose
eval $inlibc

case "$d_dbmclose" in
$define)
set dbm.h i_dbm

```



```

eval $inhdr
case "$i_dbm" in
$define)
val="$undef"
set i_rpcsvcdbm
eval $setvar
;;
*) set rpcsvc/dbm.h i_rpcsvcdbm
eval $inhdr
;;
esac
;;
*) echo "We won't be including <dbm.h>"
val="$undef"
set i_dbm
eval $setvar
val="$undef"
set i_rpcsvcdbm
eval $setvar
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_dbm.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Tr.U,v 3.0.1.2 1994/10/29 18:00:54 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: Tr.U,v \$

?RCS: Revision 3.0.1.2 1994/10/29 18:00:54 ram

?RCS: patch43: forgot to quote \$@ to protect against "evil" characters

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 15:58:35 ram

?RCS: patch36: created

?RCS:

?X:

?X: This unit produces a bit of shell code that must be dotted in in order

?X: to do a character translation. It catches translations to uppercase or

?X: to lowercase, and then invokes the real tr to perform the job.

```

?X:
?X: This unit is necessary
    on HP machines (HP strikes again!) with non-ascii
?X: ROMAN8-charset, where normal letters are not arranged in a row, so a-z
?X: covers not the whole alphabet but lots of special chars. This was reported
?X: by Andreas Sahlbach <a.sahlbach@tu-bs.de>.
?X:
?X: Units performing a tr '[A-Z]' '[a-z]' or the other way round should include
?X: us in their dependency and use ./tr instead.
?X:
?MAKE:Tr: startsh tr eunicefix
?MAKE: -pick add $@ %<
?F:./tr
?T:up low
: see whether [:lower:] and [:upper:] are supported character classes
echo " "
case "`echo AbyZ | $tr '[:lower:]' '[:upper:]' 2>/dev/null`"-``echo AbyZ | $tr '[:upper:]' '[:lower:]' 2>/dev/null`" in
ABYZ-abyz)
echo "Good, your tr supports [:lower:] and [:upper:] to convert case." >&4
up='[:upper:]'
low='[:lower:]'
;;
*) # There is a discontinuity in EBCDIC between 'R' and 'S'
# (0xd9 and 0xe2), therefore that is a nice testing point.
if test "X$up" = X -o "X$low" = X; then
    case "`echo RS | $tr '[R-S]' '[r-s]' 2>/dev/null`"
in
    rs) up='[A-Z]'
        low='[a-z]'
        ;;
    esac
fi
if test "X$up" = X -o "X$low" = X; then
    case "`echo RS | $tr R-S r-s 2>/dev/null`" in
    rs) up='A-Z'
        low='a-z'
        ;;
    esac
fi
if test "X$up" = X -o "X$low" = X; then
    case "`echo RS | od -x 2>/dev/null`" in
    *D9E2*|*d9e2*)
echo "Hey, this might be EBCDIC." >&4
if test "X$up" = X -o "X$low" = X; then
    case "`echo RS | $tr '[A-IJ-RS-Z]' '[a-ij-rs-z]' 2>/dev/null`" in
    rs) up='[A-IJ-RS-Z]'
        low='[a-ij-rs-z]'
        ;;

```

```

    esac
fi
if test "X$up" = X -o "X$low" = X; then
    case "`echo RS | $tr A-IJ-RS-Z a-ij-rs-z 2>/dev/null`" in
        rs) up='A-IJ-RS-Z'
            low='a-ij-rs-z'
            ;;
        esac
    fi
    ;;
    esac
fi
esac
case "`echo RS | $tr \"\$up\" \"\$low\" 2>/dev/null`" in
rs)
    echo "Using $up and $low to convert case." >&4
    ;;
*)
    echo "I don't know how to translate letters from upper to lower case." >&4
    echo "Your tr is not acting any way I know of." >&4
    exit 1
    ;;
esac
:
set up the translation script tr, must be called with ./tr of course
cat >tr <<EOSC
$startsh
case "$1\$2" in
[A-Z][a-z]) exec $tr '$up' '$low';;
[a-z][A-Z]) exec $tr '$low' '$up';;
esac
exec $tr "\$@"
EOSC
chmod +x tr
$unicefix tr

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Tr.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_sendmsg: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_sendmsg:  
?S: This variable conditionally defines the HAS\_SENDMSG symbol, which  
?S: indicates to the C program that the sendmsg() routine is available.  
?S:.  
?C:HAS\_SENDMSG:  
?C: This symbol, if defined, indicates that the sendmsg routine is  
?C: available to send structured socket messages.  
?C:.  
?H:#\$d\_sendmsg HAS\_SENDMSG /\*\*/  
?H:.  
?LINT:set d\_sendmsg  
: see if sendmsg exists  
set sendmsg d\_sendmsg  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_sendmsg.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_difftime.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: d\_difftime.U,v \$  
?RCS: Revision 3.0.1.1 1994/08/29 16:07:31 ram  
?RCS: patch32: created by ADO  
?RCS:  
?MAKE:d\_difftime: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_difftime:  
?S: This variable conditionally defines the HAS\_DIFFTIME symbol, which  
?S: indicates to the C program that the difftime() routine is available.  
?S:.  
?C:HAS\_DIFFTIME :  
?C: This symbol, if defined, indicates that  
the difftime routine is  
?C: available.

?C:.  
?H:#\$d\_difftime HAS\_DIFFTIME /\*\*/  
?H:.  
?LINT:set d\_difftime  
: see if difftime exists  
set difftime d\_difftime  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_difftime.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_setprior.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_setprior.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:07:11 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_setprior: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_setprior:  
?S: This variable conditionally defines HAS\_SETPRIORITY if setpriority()  
?S: is available to set a process's priority.  
?S:.  
?C:HAS\_SETPRIORITY (SETPRIORITY):  
?C: This symbol, if defined, indicates that the setpriority routine is  
?C: available to set a process's priority.  
?C:.  
?H:#\$d\_setprior  
HAS\_SETPRIORITY /\*\*/  
?H:.  
?LINT:set d\_setprior  
: see if setpriority exists  
set setpriority d\_setprior  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setprior.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: End.U,v 3.0 1993/08/18 12:04:51 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

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?RCS:

?RCS: \$Log: End.U,v \$

?RCS: Revision 3.0 1993/08/18 12:04:51 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit serves as the goal which forces make to choose all the units that

?X: ask questions. The \$W on the ?MAKE: line is the list of all symbols wanted.

?X: To force any unit to be included, copy this unit to your private U directory

?X: and add the name of the unit desired to the ?MAKE: dependency line.

?X:

?MAKE:End perllibs: \$W cppstdin gzip zip

libs usedl osname osvers

?MAKE: -pick add \$@ %<

?S:perllibs:

?S: The list of libraries needed by Perl only (any libraries needed

?S: by extensions only will be dropped, if using dynamic loading).

?S:.

?INIT:perllibs="

?LINT:use \$W

?LINT:use gzip zip

?LINT:change cppstdin

: Remove libraries needed only for extensions

: The appropriate ext/Foo/Makefile.PL will add them back in, if necessary.

: The exception is SunOS 4.x, which needs them.

case "\${osname}X\${osvers}" in

sunos\*X4\*)

perllibs="\$libs"

::

\*) case "\$usedl" in

\$define[true[[yY]\*)

set X `echo " \$libs " | sed -e 's@ -lndbm @ @' -e 's@ -lgdbm @ @' -e 's@ -lgdbm\_compat @ @' -e 's@ -ldb @ @' -e 's@ -ldb @ @'`

shift

perllibs="\$\*"

::

\*) perllibs="\$libs"

```
;;
esac
;;
esac
```

?X: If the user has the cppstdind wrapper, perl.c will try to call  
?X: CPPSTDIND, but that will point to a location in the build  
?X: directory, not the installed version!. Here, we'll just strip the  
?X: name down to 'cppstdind',  
and rely on the fact that perl.c will  
?X: then call SCRIPTDIR/cppstdind, but local things like 'make depend'  
?X: will continue to work.

: Remove build directory name from cppstdind so it can be used from  
: either the present location or the final installed location.

```
echo " "
```

: Get out of the UU directory to get correct path name.

```
cd ..
```

```
case "$cppstdind" in
```

```
`pwd`/cppstdind)
```

```
echo "Stripping down cppstdind path name"
```

```
cppstdind=cppstdind
```

```
;;
```

```
esac
```

```
cd UU
```

: end of configuration questions

```
echo " "
```

```
echo "End of configuration questions."
```

```
echo " "
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/End.U
```

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Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/files/Jmake.tmpl
```

No license file was found, but licenses were detected in source scan.

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?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: modetype.U,v \$

?RCS: Revision 3.0.1.1 1994/10/29 16:25:07 ram

?RCS: patch36: created by ADO

?RCS:

?MAKE:modetype: Myread Typedef

?MAKE: -pick add \$@ %<

?S:modetype:

?S: This variable defines modetype to be something like mode\_t,

?S: int, unsigned short, or whatever type is used to declare file

?S: modes for system calls.

?S:.

?C:Mode\_t:

?C: This symbol holds the type used to declare file modes

?C: for systems calls.

It is usually mode\_t, but may be

?C: int or unsigned short. It may be necessary to include <sys/types.h>

?C: to get any typedef'ed information.

?C:.

?H:#define Mode\_t \$modetype /\* file mode parameter for system calls \*/

?H:.

: see what type is used for mode\_t

set mode\_t modetype int stdio.h sys/types.h

eval \$typedef

dflt="\$modetype"

echo " "

rp="What type is used for file modes?"

./myread

modetype="\$ans"

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/modetype.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: usenm.U,v 3.0.1.1 1997/02/28 16:26:40 ram Exp \$

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: usenm.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 16:26:40 ram

?RCS: patch61: don't use nm with the GNU C library

?RCS: patch61: added support for Linux shared libs

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:57 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:usenm runnm nm\_opt nm\_so\_opt: cat test Myread Oldconfig myuname grep \  
nm d\_gnulibc osname egrep rsrc

?MAKE: -pick add \$@ %<

?S:usenm:

?S: This variable contains 'true' or 'false' depending  
whether the

?S: nm extraction is wanted or not.

?S:.

?S:runnm:

?S: This variable contains 'true' or 'false' depending whether the  
?S: nm extraction should be performed or not, according to the value  
?S: of usenm and the flags on the Configure command line.

?S:.

?S:nm\_opt:

?S: This variable holds the options that may be necessary for nm.

?S:.

?S:nm\_so\_opt:

?S: This variable holds the options that may be necessary for nm  
?S: to work on a shared library but that can not be used on an  
?S: archive library. Currently, this is only used by Linux, where  
?S: nm --dynamic is \*required\* to get symbols from an ELF library which  
?S: has been stripped, but nm --dynamic is \*fatal\* on an archive library.  
?S: Maybe Linux should just always set usenm=false.

?S:.

: see if nm is to be used to determine whether a symbol is defined or not

?X: If there is enough inquiries, it might be worth to wait for the nm  
?X: extraction. Otherwise, the C compilations might be a better deal.

?X:

?X: Don't bother if we're  
using GNU libc -- skimo

?LINT:extern PASE  
case "\$usenm" in  
")  
dflt="  
case "\$d\_gnulibc" in  
"\$define")  
echo " "  
echo "nm probably won't work on the GNU C Library." >&4

```

dflt=n
;;
esac
case "$dflt" in
")
if $test "$osname" = aix -a "X$PASE" != "Xdefine" -a ! -f /lib/syscalls.exp; then
echo " "
echo "Whoops! This is an AIX system without /lib/syscalls.exp!" >&4
echo "'nm' won't be sufficient on this system." >&4
dflt=n
fi
;;
esac
case "$dflt" in
") dflt=`$egrep 'inlibc|csym' $rsrc/Configure | wc -l 2>/dev/null`
if $test $dflt -gt 20; then
dflt=y
else
dflt=n
fi
;;
esac
*)
case "$usenm" in
true|$define) dflt=y;;
*) dflt=n;;
esac
;;
esac
$cat <<EOM

```

I can use \$nm to extract the symbols from your C libraries. This is a time consuming task which may generate huge output on the disk (up to 3 megabytes) but that should make the symbols extraction faster. The alternative is to skip the 'nm' extraction part and to compile a small test program instead to determine whether each symbol is present. If you have a fast C compiler and/or if your 'nm' output cannot be parsed, this may be the best solution.

You probably shouldn't let me use 'nm' if you are using the GNU C Library.

EOM

```

rp="Shall I use $nm to extract C symbols from the libraries?"
./myread
case "$ans" in
[Nn]*) usenm=false;;

```

```
*) usenm=true;;
```

```
esac
```

?X: Name extraction is to be run if 'nm' usage is wanted and if no -r flag

?X: was provided to configure (in which case we simply re-use the previous

?X: values).

```
runnm=$usenm
```

```
case "$reuseval" in
```

```
true) runnm=false;;
```

```
esac
```

: nm options which may be necessary

```
case "$nm_opt" in
```

```
") if $test -f /mach_boot; then
```

```
nm_opt="# Mach
```

```
elif $test -d /usr/ccs/lib; then
```

```
nm_opt='-p' # Solaris (and SunOS?)
```

```
elif $test -f /dgux; then
```

```
nm_opt='-p' # DG-UX
```

```
elif $test -f /lib64/rld; then
```

```
nm_opt='-p' # 64-bit Irix
```

```
else
```

```
nm_opt=""
```

```
fi;;
```

```
esac
```

: nm options which may be necessary for shared libraries but illegal

: for archive

libraries. Thank you, Linux.

```
case "$nm_so_opt" in
```

```
") case "$myuname" in
```

```
*linux*|gnu*)
```

```
if $nm --help | $grep 'dynamic' > /dev/null 2>&1; then
```

```
nm_so_opt='--dynamic'
```

```
fi
```

```
::
```

```
esac
```

```
::
```

```
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
```

```
5.30.0/U/modified/usenm.U
```

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?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:  
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?RCS: as specified in the README file that comes with the distribution.  
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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: orderlib.U,v \$  
?RCS: Revision 3.0.1.4 1997/02/28 16:18:18 ram  
?RCS: patch61: replaced .a with \$\_a all over the place  
?RCS: patch61: likewise for .o replaced by \$\_o  
?RCS: patch61: now uses the ar located by Loc.U  
?RCS:  
?RCS: Revision 3.0.1.3 1995/01/11 15:33:04 ram  
?RCS: patch45: allows hint files to specify their own value for 'ranlib'  
?RCS:  
?RCS: Revision 3.0.1.2 1994/10/29 16:26:48 ram  
?RCS: patch36: now performs a real small compile for accurate checks (ADO)  
?RCS:  
?RCS: Revision 3.0.1.1  
1994/08/29 16:31:17 ram  
?RCS: patch32: use cc variable instead of hardwired 'cc' in 1st compile  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:26 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:orderlib ranlib: Loc ar cat test rm +cc +ccflags +ldflags +libs \_a \_o  
?MAKE: -pick add \$@ %<  
?S:orderlib:  
?S: This variable is "true" if the components of libraries must be ordered  
?S: (with `lorder \$\* | tsort`) before placing them in an archive. Set to  
?S: "false" if ranlib or ar can generate random libraries.  
?S:.  
?S:ranlib:  
?S: This variable is set to the pathname of the ranlib program, if it is  
?S: needed to generate random libraries. Set to ":" if ar can generate  
?S: random libraries or if random libraries are not supported  
?S:.  
?F:!foobar  
: see if ar generates random libraries by itself  
echo " "  
echo "Checking how to generate random libraries on your machine..." >&4  
?X: Some systems (like MIPS) complain when running ar... Others like Ultrix  
?X: need an explicit 'ar ts'  
to add the table of contents.  
?X: Still others like Linux run ar ts successfully, but still need ranlib.  
?X: This set of tests seems the minimum necessary to check out Linux.  
?X: We need to explicitly put the entries in out-of-order so that Sun's ld

```

?X: will fail. (Otherwise it complains, but gives an exit status of 0.)
echo 'int bar1() { return bar2(); }' > bar1.c
echo 'int bar2() { return 2; }' > bar2.c
$cat > foo.c <<'EOP'
int main() { printf("%d\n", bar1()); exit(0); }
EOP
$cc $ccflags -c bar1.c >/dev/null 2>&1
$cc $ccflags -c bar2.c >/dev/null 2>&1
$cc $ccflags -c foo.c >/dev/null 2>&1
$ar rc bar$_a bar2$_o bar1$_o >/dev/null 2>&1
if $cc $ccflags $ldflags -o foobar foo$_o bar$_a $libs > /dev/null 2>&1 &&
./foobar >/dev/null 2>&1; then
echo "ar appears to generate random libraries itself."
orderlib=false
ranlib=":"
elif $ar ts bar$_a >/dev/null 2>&1 &&
$cc $ccflags $ldflags -o foobar foo$_o bar$_a $libs > /dev/null 2>&1 &&
./foobar >/dev/null 2>&1; then
echo "a table of contents
needs to be added with 'ar ts'."
orderlib=false
ranlib="$ar ts"
else
?X: Allow hints to specify their own ranlib "script". For instance, on
?X: some NeXT machines, the timestamp put by ranlib is not correct, and this
?X: may raise tedious recompiles for nothing. Therefore, NeXT may add the
?X: ranlib='sleep 5; /bin/ranlib' line in their hints to "fix" that.
?X: (reported by Andreas Koenig <k@franz.ww.tu-berlin.de>)
case "$ranlib" in
:) ranlib="";
")
ranlib=`./loc ranlib X /usr/bin /bin /usr/local/bin`
$test -f $ranlib || ranlib="
;;
esac
if $test -n "$ranlib"; then
echo "your system has '$ranlib'; we'll use that."
orderlib=false
else
echo "your system doesn't seem to support random libraries"
echo "so we'll use lorder and tsort to order the libraries."
orderlib=true
ranlib=":"
fi
fi
$rm -f foo* bar*

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/orderlib.U

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?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: pager.U,v \$

?RCS: Revision 3.0.1.2 1995/01/30 14:41:26 ram

?RCS: patch49: ensure dflt gets initialized in case no pagers are found (WED)

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 16:27:45 ram

?RCS: patch36: replaced Myread by Getfile in the dependency line

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:30 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:pager: pg more less Getfile Oldconfig

?MAKE: -pick add \$@ %<

?S:pager:

?S: This variable contains the name of the preferred pager  
on the system.

?S: Usual values are (the full pathnames of) more, less, pg, or cat.

?S:.

: locate the preferred pager for this system

fn=f/

case "\$pager" in

")

dflt="

case "\$pg" in

/\*) dflt=\$pg;;

[a-zA-Z]:/\*) dflt=\$pg;;

esac

case "\$more" in

/\*) dflt=\$more;;

[a-zA-Z]:/\*) dflt=\$more;;

esac

case "\$less" in

/\*) dflt=\$less;;

[a-zA-Z]:/\*) dflt=\$less;;

esac

```

case "$dflt" in
") dflt=/usr/ucb/more;;
esac
;;
*) dflt="$pager"
;;
esac
?X: Instruct ./getfile to trust the default pager value,
?X: even if it does not begin with a slash. For example, on os2,
?X: pager might be cmd /c more. Also, it might include some options,
?X: such as '/usr/bin/less -R'. ./getfile would report that
?X: "/usr/bin/less -R" doesn't exist.
?X: See comments in Getfile.U.
fn="f/($dflt)"
echo " "
rp="What pager is used on your system?"
./getfile
pager="$ans"

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/pager.U
```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_voidsig.U,v 3.0.1.3 1995/05/12 12:12:46 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
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?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: d_voidsig.U,v $
?RCS: Revision 3.0.1.3 1995/05/12 12:12:46 ram
?RCS: patch54: made cppflags dependency optional
?RCS:
?RCS: Revision 3.0.1.2 1994/08/29 16:20:35 ram
?RCS: patch32: now sets signal_t only once d_voidsig is known (WED)
?RCS:
?RCS: Revision 3.0.1.1 1994/06/20 06:59:54 ram
?RCS: patch30: now properly sets signal_t when re-using previous value
?RCS:
?RCS: Revision 3.0 1993/08/18 12:07:56 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_voidsig

```

```

signal_t: rm contains cppstdin cppminus +cppflags test Myread \
Oldconfig Setvar Findhdr
?MAKE: -pick add $@ %<
?S:d_voidsig:
?S: This variable conditionally defines VOIDSIG if this system
?S: declares "void (*signal(...))()" in signal.h. The old way was to
?S: declare it as "int (*signal(...))()".
?S:.
?S:signal_t:
?S: This variable holds the type of the signal handler (void or int).
?S:.
?C:VOIDSIG:
?C: This symbol is defined if this system declares "void (*signal(...))()" in
?C: signal.h. The old way was to declare it as "int (*signal(...))()". It
?C: is up to the package author to declare things correctly based on the
?C: symbol.
?C:.
?C:Signal_t (SIGNAL_T):
?C: This symbol's value is either "void" or "int", corresponding to the
?C: appropriate return type of a signal handler. Thus, you can declare
?C: a signal handler using "Signal_t (*handler())", and define the
?C: handler using "Signal_t handler(sig)".
?C:.
?H:#$d_voidsig VOIDSIG /**/
?H:#define
Signal_t $signal_t /* Signal handler's return type */
?H:.
?T:xxx
?LINT:set d_voidsig
: see if signal is declared as pointer to function returning int or void
echo " "
xxx=`./findhdr signal.h`
$test "$xxx" && $cppstdin $cppminus $cppflags < $xxx >$$.tmp 2>/dev/null
if $contains 'int.*\[ ]*signal' $$.tmp >/dev/null 2>&1 ; then
echo "You have int (*signal())() instead of void." >&4
val="$undef"
elif $contains 'void.*\[ ]*signal' $$.tmp >/dev/null 2>&1 ; then
echo "You have void (*signal())() ." >&4
val="$define"
elif $contains 'extern[ ]*\[ \]*signal' $$.tmp >/dev/null 2>&1 ; then
echo "You have int (*signal())() instead of void." >&4
val="$undef"
?X: This next test is kind of sloppy, but it catches Linux
?X: which has a
?X: typedef void (*__sighandler_t) (int) ;
?X: A better fix would be to compile a C program with the proper
?X: prototype, but since nearly everyone uses void, we'll just go with
?X: this.

```



```

elif $contains 'void.*\*.sig' $$tmp >/dev/null 2>&1 ; then
echo "You
have void (*signal())()." >&4
val="$define"
else
case "$d_voidsig" in
")
echo "I can't determine whether signal handler returns void or int..." >&4
dflt=void
rp="What type does your signal handler return?"
./myread
case "$ans" in
v*) val="$define";;
*) val="$undef";;
esac;;
"$define")
echo "As you already told me, signal handler returns void." >&4
val="$define"
;;
*) echo "As you already told me, signal handler returns int." >&4
val="$undef"
;;
esac
fi
set d_voidsig
eval $setvar
case "$d_voidsig" in
"$define") signal_t="void";;
*) signal_t="int";;
esac
$rm -f $$tmp

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_voidsig.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Warn.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Extract.U,v \$

?X:

?X: This unit produces a shell script which can be run in order to emit  
?X: an important warning to the user, which will be remembered and shown  
?X: at the end of the Configure run as well.

?X:

?X: A typical use would be:

?X:

?X: ./warn <<EOM

?X: Problem with your C compiler: can't turn debugging on.

?X: EOM

?X:

?X: or:

?X:

?X: ./warn "Problem with your C compiler: can't turn debugging on."

?X:

?X: Which will both display to the user:

?X:

?X: \*\*\*

WARNING:

?X: \*\*\* Problem with your C compiler: can't turn debugging on.

?X: \*\*\*

?X:

?MAKE:Warn: startsh eunicefix

?MAKE: -pick add \$@ %<

?F:./warn

: script used to emit important warnings

cat >warn <<EOS

\$startsh

?X: Read the whole warning message from stdin into a temporary file

?X: when no argument was supplied.

if test \$# -gt 0; then

echo "\$@" >msg

else

cat >msg

fi

?X: Emit the warning, prefixing all lines with '\*\*\* '

echo "\*\*\* WARNING:" >&4

sed -e 's/^/\*\*\* /' <msg >&4

echo "\*\*\* " >&4

?X: Save the warning in the logs, which will be shown again at the end

cat msg >>config.msg

echo " " >>config.msg

rm -f msg

EOS

chmod +x warn

\$eunicefix warn

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Warn.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_wait4.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS:

?RCS: \$Log: d\_wait4.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:01 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_wait4: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_wait4:

?S: This variable conditionally defines the HAS\_WAIT4 symbol, which

?S: indicates the wait4() routine is available.

?S:.

?C:HAS\_WAIT4 (WAIT4):

?C: This symbol, if defined, indicates that wait4() exists.

?C:.

?H:#\$d\_wait4 HAS\_WAIT4 /\*\*/

?H:.

?LINT:set d\_wait4

: see if there is a wait4

set

wait4 d\_wait4

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_wait4.U

No license file was found, but licenses were detected in source scan.

/\*

\* \$Id: rename.C,v 3.0.1.1 1994/01/24 13:58:42 ram Exp ram \$

\*

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\* that same Artistic Licence; a copy of which may be found at the root  
\* of the source tree for dist 4.0.  
\*  
\* \$Log: rename.C,v \$  
\* Revision 3.0.1.1 1994/01/24 13:58:42 ram  
\* patch16: created  
\*  
\*/

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/C/fake/rename.C

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fmin: Inlibc

?MAKE: -pick add @\$ %<

?S:d\_fmin:

?S: This variable conditionally defines the HAS\_FMIN symbol, which

?S: indicates to the C program that the fmin() routine is available.

?S:.

?C:HAS\_FMIN:

?C: This symbol, if defined, indicates that the fmin routine is

?C: available to do the minimum function.

?C:.

?H:#\$d\_fmin HAS\_FMIN /\*\*/

?H:.

?LINT:set d\_fmin

: see if fmin exists

set fmin d\_fmin

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fmin.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 3.0.

```

?RCS:
?MAKE:fflushNULL fflushall: Compile cat rm rm_try test osname run to from \
Oldconfig Myread Setvar echo targethost \
d_sysconf i_unistd d_stdio_stream_array stdio_stream_array i_stdlib
?MAKE: -pick add $@ %<
?S:fflushNULL:
?S: This symbol, if defined, tells that fflush(NULL) correctly
?S: flushes all pending stdio output without side effects. In
?S: particular, on some platforms calling fflush(NULL) *still*
?S: corrupts STDIN if it is a pipe.
?S:.
?S:fflushall:
?S: This symbol, if defined, tells that to flush
?S: all
pending stdio output one must loop through all
?S: the stdio file handles stored in an array and fflush them.
?S: Note that if fflushNULL is defined, fflushall will not
?S: even be probed for and will be left undefined.
?S:.
?C:FFLUSH_NULL:
?C: This symbol, if defined, tells that fflush(NULL) correctly
?C: flushes all pending stdio output without side effects. In
?C: particular, on some platforms calling fflush(NULL) *still*
?C: corrupts STDIN if it is a pipe.
?C:.
?C:FFLUSH_ALL:
?C: This symbol, if defined, tells that to flush
?C: all pending stdio output one must loop through all
?C: the stdio file handles stored in an array and fflush them.
?C: Note that if fflushNULL is defined, fflushall will not
?C: even be probed for and will be left undefined.
?C:.
?H:#$fflushNULL FFLUSH_NULL /**/
?H:#$fflushall FFLUSH_ALL /**/
?H:.
?T:output code
?F:!try.out !try !tryp
: Check how to flush
echo " "
$cat >&4 <<EOM
Checking how to flush all pending stdio output...
EOM
# I only know how to find
the first 32 possibly open files on SunOS.
# See also hints/sunos_4_1.sh and util.c --AD
case "$osname" in
sunos) $echo '#define PERL_FFLUSH_ALL_FOPEN_MAX 32' > try.c ;;
esac

```

```

$cat >>try.c <<EOCP
#include <stdio.h>
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#ifdef I_UNISTD
#include <unistd.h>
#endif
#ifdef HAS_SYSCONF
#ifdef HAS_STDIO_STREAM_ARRAY
#define STDIO_STREAM_ARRAY $stdio_stream_array
#endif
int main() {
FILE* p;
unlink("try.out");
p = fopen("try.out", "w");
#ifdef TRY_FPUTC
fputc('x', p);
#else
#ifdef TRY_FPRINTF
fprintf(p, "x");
#endif
#endif
#ifdef TRY_FFLUSH_NULL
fflush(NULL);
#endif
#ifdef TRY_FFLUSH_ALL
{
long open_max = -1;
#ifdef PERL_FFLUSH_ALL_FOPEN_MAX
open_max = PERL_FFLUSH_ALL_FOPEN_MAX;
#else
if defined(HAS_SYSCONF) && defined(_SC_OPEN_MAX)
open_max = sysconf(_SC_OPEN_MAX);
#else
#ifdef FOPEN_MAX
open_max = FOPEN_MAX;
#else
#ifdef OPEN_MAX
open_max = OPEN_MAX;
#else
#ifdef _NFILE
open_max = _NFILE;
#endif
#endif
#endif
}
#endif
}

```

```

# endif
# endif
# endif
# endif
# ifdef HAS_STDIO_STREAM_ARRAY
    if (open_max > 0) {
        long i;
        for (i = 0; i < open_max; i++)
            if (STDIO_STREAM_ARRAY[i]._file >= 0 &&
                STDIO_STREAM_ARRAY[i]._file < open_max &&
                STDIO_STREAM_ARRAY[i]._flag)
                fflush(&STDIO_STREAM_ARRAY[i]);
    }
}
# endif
#endif
_exit(42);
}
EOCP
: first we have to find out how _not_ to flush
$to try.c
if $test "X$fflushNULL" = X -o "X$fflushall" = X; then
    output="
    set try -DTRY_FPUTC
    if eval $compile; then
        $run ./try 2>/dev/null
        code="$?"
        $from try.out
        if $test ! -s try.out -a "X$code" = X42; then
output=-DTRY_FPUTC
        fi
        fi
        case "$output" in
        ")
            set try -DTRY_FPRINTF
            if eval $compile; then
                $run ./try 2>/dev/null
                code="$?"
                $from try.out
                if $test ! -s try.out -a "X$code" = X42; then
output=-DTRY_FPRINTF
                fi
                fi
            ;;
        esac
    fi
: check for fflush NULL behavior

```

```

case "$fflushNULL" in
") set try -DTRY_FFLUSH_NULL $output
if eval $compile; then
$run ./try 2>/dev/null
code="$?"
$from try.out
if $test -s try.out -a "X$code" = X42; then
fflushNULL="$cat try.out`"
else
if $test "X$code" != X42; then
$cat >&4 <<EOM
(If this test failed, don't worry, we'll try another method shortly.)
EOM

```

```

fi
fi
fi

```

```

$rm -f core try.core core.try.*

```

```

case "$fflushNULL" in
x) $cat >&4 <<EOM

```

Your fflush(NULL) works okay for output streams.

Let's see if it clobbers input pipes...

```

EOM

```

```

# As of mid-March 2000 all versions of Solaris appear to have a stdio
# bug that improperly flushes the input end of pipes. So we avoid the
# autoflush on fork/system/exec support for now. :-(

```

```

$cat >tryp.c <<EOCP

```

```

#include <stdio.h>

```

```

int

```

```

main(int argc, char **argv)

```

```

{

```

```

    char buf[1024];

```

```

    int i;

```

```

    char *bp = buf;

```

```

    while (1) {

```

```

while ((i = getc(stdin)) != -1

```

```

    && (*bp++ = i) != '\n'

```

```

    && bp < &buf[1024])

```

```

/* DO NOTHING */;

```

```

*bp = '\0';

```

```

fprintf(stdout, "%s", buf);

```

```

fflush(NULL);

```

```

if (i == -1)

```

```

    return 0;

```

```

bp = buf;

```

```

}

```

```

}

```

```

EOCP

```



```

fflushNULL="$define"
set tryp
if eval $compile; then
    $rm -f tryp.out
    # Copy the .c file to the remote host ($to is an ssh-like if targethost is set)
    if $test "X$targethost" != X; then
        $to tryp.c
        $to tryp
        $run "cat tryp.c | ./tryp " 2>/dev/null > tryp.out
        else
        $cat tryp.c | $run ./tryp 2>/dev/null > tryp.out
        fi
        if cmp tryp.c tryp.out >/dev/null 2>&1; then
            $cat >&4 <<EOM

```

fflush(NULL) seems to behave okay with input streams.

EOM

```

fflushNULL="$define"
else
$cat >&4 <<EOM

```

Ouch, fflush(NULL) clobbers input pipes! We will not use it.

EOM

```

fflushNULL="$undef"
fi
fi
$rm -f core tryp.c tryp.core core.tryp.*
;;
") $cat >&4 <<EOM

```

Your fflush(NULL) isn't working (contrary to ANSI C).

EOM

```

fflushNULL="$undef"
;;
*) $cat >&4 <<EOM

```

Cannot figure out whether  
your fflush(NULL) works or not.

I'm assuming it doesn't (contrary to ANSI C).

EOM

```

fflushNULL="$undef"
;;
esac
;;
$define|true|[yY]*)
fflushNULL="$define"
;;
*)
fflushNULL="$undef"
;;
esac

```

: check explicit looping only if NULL did not work, and if the pipe

: bug does not show up on an explicit flush too

case "\$fflushNULL" in

"\$undef")

```
$cat >tryp.c <<EOCP
```

```
#include <stdio.h>
```

```
int
```

```
main(int argc, char **argv)
```

```
{
```

```
    char buf[1024];
```

```
    int i;
```

```
    char *bp = buf;
```

```
    while (1) {
```

```
while ((i = getc(stdin)) != -1
```

```
    && (*bp++ = i) != '\n'
```

```
    && bp < &buf[1024])
```

```
/* DO NOTHING */;
```

```
*bp = '\0';
```

```
fprintf(stdout, "%s", buf);
```

```
fflush(stdin);
```

```
if (i == -1)
```

```
    return 0;
```

```
bp = buf;
```

```
}
```

```
}
```

```
EOCP
```

```
set tryp
```

```
if eval $compile; then
```

```
    $rm -f tryp.out
```

```
    if $test "X$targethost" != X; then
```

```
    $to tryp.c
```

```
    $to tryp
```

```
    $run "cat tryp.c | ./tryp " 2>/dev/null > tryp.out
```

```
    else
```

```
    $cat tryp.c | $run ./tryp 2>/dev/null > tryp.out
```

```
    fi
```

```
    if cmp tryp.c tryp.out >/dev/null 2>&1;
```

```
then
```

```
    $cat >&4 <<EOM
```

Good, at least fflush(stdin) seems to behave okay when stdin is a pipe.

```
EOM
```

```
: now check for fflushall behaviour
```

```
case "$fflushall" in
```

```
") set try -DTRY_FFLUSH_ALL $output
```

```
if eval $compile; then
```

```
    $cat >&4 <<EOM
```

(Now testing the other method--but note that this also may fail.)

```
EOM
```

```
    $run ./try 2>/dev/null
```

```

code=$?
$from try.out
if $stest -s try.out -a "X$code" = X42; then
    fflushall="$scat try.out` "
fi
fi
$rm_try
case "$fflushall" in
x) $cat >&4 <<EOM

```

Whew. Flushing explicitly all the stdio streams works.

EOM

```

    fflushall="$define"
;;
") $cat >&4 <<EOM

```

Sigh. Flushing explicitly all the stdio streams doesn't work.

EOM

```

    fflushall="$undef"
;;
*) $cat >&4 <<EOM

```

Cannot figure out whether flushing stdio streams explicitly works or not.

I'm assuming it doesn't.

EOM

```

    fflushall="$undef"
;;
esac
;;
"$define"|true|[yY]*)
    fflushall="$define"
;;
*)
    fflushall="$undef"
;;
esac

```

else

```

$cat >&4 <<EOM

```

All is futile. Even fflush(stdin) clobbers input pipes!

EOM

```

    fflushall="$undef"
fi
else
    fflushall="$undef"
fi
$rm -f core tryp.c tryp.core core.tryp.*
;;
*) fflushall="$undef"
;;
esac

```

```
case "$fflushNULL$fflushall" in
undefundef)
$cat <<EOM
OK, I give up. I cannot figure out how to flush pending stdio output.
We won't be flushing handles at all before fork/exec/popen.
EOM
;;
esac
$rm_try try
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/fflushall.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: usrinc.U,v 1.1 2000/06/27 00:20:28 jhi Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: usrinc.U,v $
?RCS: Revision 1.1 2000/06/27 00:20:28 jhi
?RCS: Initial revision
?RCS:
?RCS: Revision 3.0.1.3 1997/02/28 16:27:12 ram
?RCS: patch61: don't ask for the include path unless they are on a MIPS
?RCS:
?RCS: Revision 3.0.1.2 1995/05/12 12:24:36 ram
?RCS: patch54: ensure that ./mips always exists (ADO)
?RCS:
?RCS: Revision 3.0.1.1 1994/05/06 15:18:31 ram
?RCS: patch23: ensure usrinc value is preserved across sessions (WED)
?RCS:
?RCS: Revision
3.0 1993/08/18 12:09:58 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:usrinc incpath mips_type: test cat echo n c Getfile Guess \
Oldconfig eunicefix contains rm sysroot cc
?MAKE: -pick add $@ %<
?S:usrinc:
?S: This variable holds the path of the include files, which is
```

?S: usually /usr/include. It is mainly used by other Configure units.

?S:.

?S:incpath:

?S: This variable must precede the normal include path to get the

?S: right one, as in "\$incpath/usr/include" or "\$incpath/usr/lib".

?S: Value can be "" or "/bsd43" on mips.

?S:.

?S:mips\_type:

?S: This variable holds the environment type for the mips system.

?S: Possible values are "BSD 4.3" and "System V".

?S:.

?D:usrinc='/usr/include'

?LINT:extern cppflags

?LINT:create mips

?T:xxx\_prompt

?F:./mips

: What should the include directory be ?

: Use sysroot if set, so findhdr looks in the right place.

echo " "

\$echo \$n "Hmm... \$c"

dflt="\$sysroot/usr/include"

incpath=""

?X: mips\_type is used later, to add -DSYSTYPE\_BSD43

to cppflags if needed.

mips\_type=""

?X:

?X: Cannot put the following in Guess, or we get a circular dependency.

?X:

if \$test -f /bin/mips && /bin/mips; then

echo "Looks like a MIPS system..."

\$cat >usr.c <<'EOCP'

#ifdef SYSTYPE\_BSD43

/bsd43

#endif

EOCP

if \$cc \$cppflags -E usr.c > usr.out && \$contains /usr.out >/dev/null 2>&1; then

dflt='/bsd43/usr/include'

incpath='/bsd43'

mips\_type='BSD 4.3'

else

mips\_type='System V'

fi

\$rm -f usr.c usr.out

echo "and you're compiling with the \$mips\_type compiler and libraries."

xxx\_prompt=y

echo "exit 0" >mips

else

echo "Doesn't look like a MIPS system."

```

xxx_prompt=n
echo "exit 1" >mips
fi
chmod +x mips
$unicefix mips
case "$usrinc" in
") ;;
*) dflt="$usrinc";;
esac
case "$xxx_prompt" in
y) fn=d/
echo " "
rp='Where are the include files you want to use?'
./getfile
usrinc="$ans"
;;
*) usrinc="$dflt"
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/usrinc.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_strerror\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_strerror\_r strerror\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads extern\_C

?MAKE: -pick add \$@ %<

?S:d\_strerror\_r:

?S: This variable conditionally defines the HAS\_STRERROR\_R symbol,

?S: which indicates to the C program that the strerror\_r()

?S: routine is available.

?S:.

?S:strerror\_r\_proto:

?S: This variable encodes the prototype of strerror\_r.

?S: It is zero if d\_strerror\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_strerror\_r

?S: is defined.

?S:.

?C:HAS\_STRERROR\_R:

?C: This symbol, if defined, indicates that the `strerror_r` routine  
?C: is available to `strerror`  
re-entrantly.  
?C:.  
?C:STRERROR\_R\_PROTO:  
?C: This symbol encodes the prototype of `strerror_r`.  
?C: It is zero if `d_strerror_r` is undef, and one of the  
?C: REENTRANT\_PROTO\_T\_ABC macros of `reentr.h` if `d_strerror_r`  
?C: is defined.  
?C:.  
?H:#\$d\_strerror\_r HAS\_STRERROR\_R /\*\*/  
?H:#define STRERROR\_R\_PROTO \$strerror\_r\_proto /\*\*/  
?H:.  
?T:try hdrs d\_strerror\_r\_proto  
: see if `strerror_r` exists  
set `strerror_r` `d_strerror_r`  
eval `$inlibc`  
case "`d_strerror_r`" in  
"\$define")  
hdrs="\$i\_systypes sys/types.h define stdio.h define string.h"  
case "`d_strerror_r_proto`:\$usetthreads" in  
":define") `d_strerror_r_proto`=define  
set `d_strerror_r_proto` `strerror_r` `$hdrs`  
eval `$hasproto` ;;  
\*) ;;  
esac  
case "`d_strerror_r_proto`" in  
define)  
case "`$strerror_r_proto`" in  
"|0) try='int strerror\_r(int, char\*, size\_t);'  
./protochk "\$extern\_C \$try" `$hdrs` && `strerror_r_proto`=I\_IBW ;;  
esac  
case "`$strerror_r_proto`" in  
"|0) try='int strerror\_r(int, char\*, int);'  
./protochk "\$extern\_C \$try" `$hdrs` && `strerror_r_proto`=I\_IBI  
;;  
esac  
case "`$strerror_r_proto`" in  
"|0) try='char\* strerror\_r(int, char\*, size\_t);'  
./protochk "\$extern\_C \$try" `$hdrs` && `strerror_r_proto`=B\_IBW ;;  
esac  
case "`$strerror_r_proto`" in  
"|0) `d_strerror_r`=undef  
`strerror_r_proto`=0  
echo "Disabling `strerror_r`, cannot determine prototype." >&4 ;;  
\* ) case "`$strerror_r_proto`" in  
REENTRANT\_PROTO\*) ;;  
\*) `strerror_r_proto`="REENTRANT\_PROTO\_\$\$strerror\_r\_proto" ;;

```

esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usetthreads" in
define) echo "strerror_r has no prototype, not using it." >&4 ;;
esac
d_strerror_r=undef
strerror_r_proto=0
;;
esac
;;
*) strerror_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_strerror_r.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: MailAuthor.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

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?RCS: You may reuse parts of this distribution only within the terms of

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>

?RCS:

?RCS: \$Log: MailAuthor.U,v \$

?RCS: Revision 3.0.1.5 1997/02/28 15:04:41 ram

?RCS: patch61: added support for src.U

?RCS:

?RCS: Revision 3.0.1.4 1994/08/29 16:05:09 ram

?RCS: patch32: avoid message sending if they said no previously

?RCS:

?RCS: Revision 3.0.1.3 1993/10/16 13:47:30 ram

?RCS: patch12: now makes sure user-specified address is in Internet format

?RCS:

?RCS: Revision

3.0.1.2 1993/09/13 15:48:49 ram

?RCS: patch10: reverted to original intent by the Author himself

?RCS:

?RCS: Revision 3.0.1.1 1993/08/27 14:38:38 ram



?RCS: patch7: now prompts user for its e-mail address  
?RCS: patch7: no longer silent when mail has been sent  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:06 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?RCS:  
?X:  
?X: This unit asks the user to please send a message to the author.  
?X: To force inclusion of this unit, you must add it's name to the  
?X: dependancies on the MAKE line in your private copy of End.U.  
?X: This allows a smart mailagent program to automatically let users know  
?X: when their package is out of date, and to allow users to be notified of  
?X: any future patches.  
?X:  
?MAKE:MailAuthor mailpatches notifypatches usermail: test cat mailer \  
package Myread patchlevel baserev rm rsrc Oldconfig Configdir  
?MAKE: -pick wipe \$@ %<  
?S:mailpatches:  
?S: Indicates whether the user would like future patches to be mailed  
?S: directly  
to them.  
?S:.  
?S:notifypatches:  
?S: Indicates whether the user would like notification of future patches  
?S: mailed to them.  
?S:.  
?S:usermail:  
?S: This variable is used internally by Configure to keep track of the  
?S: user e-mail address, where notifications or patches should be sent.  
?S: A '-' value means the return address will be extracted by parsing  
?S: the mail headers.  
?S:.  
?T:opt mailpatches notifypatches atsh status  
: notify author that his package is used  
if \$test -f ../config/mailauthor &&  
cmp \$rsrc/patchlevel.h ../config/mailauthor >/dev/null 2>&1  
then  
status="say that you're using \$package";  
case "\$mailpatches" in  
true) status='have patches mailed to you as they are issued';  
esac  
case "\$notifypatches" in  
true) status='be notified when new patches are issued';  
esac  
\$cat <<EOM

You have already sent the author of \$package (<MAINTLOC>) mail to

\$status. If you wish, you may modify  
your previous request by sending a new mail with different options.

EOM

```
rp='Should  
I send a status update to <MAINTLOC>?'  
dflt=n  
else  
$cat <<EOM
```

If you are able to send mail to the Internet, the author of \$package would really appreciate you letting me send off a quick note, just to say that you've tried it. The author is more likely to spend time maintaining \$package if it's known that many people are using it, and you can even ask to get sent new patches automagically this way if you wish. To protect your privacy, all I'll say in the mail is the version of \$package that you're using.

EOM

```
rp='Should I send mail to <MAINTLOC>?'  
dflt=y  
?X: Ensure default is 'n' if question has been asked already, in case they  
?X: run Configure -d next time and answered 'n' the first time. Therefore,  
?X: an empty nomail will be created later on even if no mail is sent.  
$test -f ../.config/nomail && dflt=n  
fi  
./myread  
case "$ans" in  
[yY]*)  
echo " "  
echo "Great! Your cooperation is really appreciated."  
$cat <<EOM
```

Some braindead sites do not set a proper return address in the From: header of their outgoing mail, making it impossible to reply to mail they generate. If your site is broken in this way, write to your system administrator and get it fixed!!! In the mean time, you can manually specify the Internet e-mail address by which the author can get back to you, should there be a need to do so. If manually specified, it should be something like "user@domain.top". If your mail system generates addresses correctly, specify "none".

EOM

```
case "$usermail" in  
'-|') dflt=none;;  
*) dflt="$usermail";;  
esac  
rp='Manually specify a return address to use:'  
./myread
```

```

case "$ans" in
none|*@*.*)
case "$ans" in
none) usermail='-';;
*) usermail="$ans";;
esac
;;
*)
echo "(Address does not look like an Internet one -- ignoring it.)"
?X:
?X: If we can't trust their mailer or their return address, it's highly
?X: suggested that they only register and don't ask to get anything from
?X: the author, since it's likely to bounce in null-land --
RAM.
?X:
usermail='- '
mailpatches=false
notifypatches=false
;;
esac
echo " "
opt="
rp='Would you like to have new patches automatically mailed to you?'
case "$mailpatches" in
true) dflt=y;;
*) dflt=n;;
esac
./myread
case "$ans" in
[yY]*) opt=' mailpatches'; mailpatches=true;;
*)
mailpatches=false
echo " "
rp='Ok, would you like to simply be notified of new patches?'
case "$notifypatches" in
false) dflt=n;;
*) dflt=y;;
esac
./myread
echo " "
case "$ans" in
[yY]*) opt=' notifypatches'; notifypatches=true;;
*)
echo "Fine, I'll simply say that you've tried it then."
notifypatches=false
;;
esac
;;

```

```
esac
echo "Sending mail to <MAINTLOC>..." >&4
?X: Bizarre hack here. We can't just put @SH in the hereis lines below, because
?X: metaconfig will interpret it as a command, and there's no quoting mechanism.
?X: Do it via a variable instead.
atsh='@SH'
$mailler <MAINTLOC> <<EOM >/dev/null 2>&1
Subject: Command
Precedence: junk
To: <MAINTLOC>
```

```
$atsh
package $usermail $package $baserev $patchlevel$opt
EOM
$rm -f ../config/mailauthor ../config/nomail
cp $src/patchlevel.h ../config/mailauthor
;;
*)
case "$dfit" in
"y")
echo "Oh well, maybe next time."
cp /dev/null ../config/nomail
;;
esac
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/MailAuthor.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1998, Jarkko Hietaniemi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

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?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?X:

?X: Useless unit dropped. Use randfunc instead.

?X:

?LINT:empty

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
```

5.30.0/U/compline/randbits.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

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?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_drand48proto: Hasproto i\_stdlib i\_unistd

?MAKE: -pick add \$@ %<

?S:d\_drand48proto:

?S: This variable conditionally defines the HAS\_DRAND48\_PROTO symbol,

?S: which indicates to the C program that the system provides

?S: a prototype for the drand48() function. Otherwise, it is

?S: up to the program to supply one.

?S:.

?C:HAS\_DRAND48\_PROTO:

?C: This symbol, if defined, indicates that the system provides

?C: a prototype for the drand48() function. Otherwise, it is up

?C: to the program to supply one. A good guess

is

?C: extern double drand48(void);

?C:.

?H:#\$d\_drand48proto HAS\_DRAND48\_PROTO /\*\*/

?H:.

?LINT:set d\_drand48proto

: see if prototype for drand48 is available

echo " "

set d\_drand48proto drand48 \$i\_stdlib stdlib.h \$i\_unistd unistd.h

eval \$hasproto

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/protos/d\_drand48proto.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

```

?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: prefix.U,v $
?RCS: Revision 3.0.1.2 1995/01/30 14:44:05 ram
?RCS: patch49: new prefixexp variable holding a fully expanded prefix
?RCS: patch49: save off previous prefix value in oldprefix if changed (WED)
?RCS: patch49: added the INSTALLPREFIX define for C programs to use (WED)
?RCS:
?RCS: Revision 3.0.1.1 1994/08/29 16:31:34 ram
?RCS: patch32: created by ADO
?RCS:
?MAKE:prefix prefixexp +oldprefix: Getfile Loc Oldconfig
cat package
?MAKE: -pick add $@ %<
?S:prefix:
?S: This variable holds the name of the directory below which the
?S: user will install the package. Usually, this is /usr/local, and
?S: executables go in /usr/local/bin, library stuff in /usr/local/lib,
?S: man pages in /usr/local/man, etc. It is only used to set defaults
?S: for things in bin.U, mansrc.U, privlib.U, or scriptdir.U.
?S:.
?S:prefixexp:
?S: This variable holds the full absolute path of the directory below
?S: which the user will install the package. Derived from prefix.
?S:.
?S:oldprefix:
?S: This variable is set non-null if the prefix was previously defined
?S: and gets set to a new value. Used internally by Configure only.
?S:.
?C:INSTALLPREFIX:
?C: This symbol contains the name of the install prefix for this package.
?C:.
?H:#define INSTALLPREFIX "$prefix" /**/
?H:.
: determine root of directory hierarchy where package will be installed.
case "$prefix" in
")
dflt=`./loc . /usr/local /usr/local /local /opt
/usr`
;;
*)
dflt="$prefix"
;;
esac
$cat <<EOM

```

By default, \$package will be installed in \$dflt/bin, manual pages under \$dflt/man, etc..., i.e. with \$dflt as prefix for all installation directories. Typically set to /usr/local, but you may choose /usr if you wish to install \$package among your system binaries. If you wish to have binaries under /bin but manual pages under /usr/local/man, that's ok: you will be prompted separately for each of the installation directories, the prefix being only used to set the defaults.

EOM

fn=d~

rp='Installation prefix to use?'

./getfile

oldprefix=""

case "\$prefix" in

) ;;

\*)

case "\$ans" in

"\$prefix") ;;

\*) oldprefix="\$prefix";;

esac

;;

esac

prefix="\$ans"

prefixexp="\$ansexp"

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/prefix.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_scorfl.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_scorfl.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:01 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_scorfl: cat Myread Oldconfig nametype Setvar

?MAKE: -pick add \$@ %<

?S:d\_scorfl:

?S: This variable conditionally defines the SCOREFULL symbol, which

?S: indicates to the C program that any scoreboard kept by the program

?S: should be kept on the basis of the user's full name as opposed to

?S: the user's login name.

?S:.

?C:SCOREFULL:

?C: This

symbol, if defined, indicates that any scoreboard kept by the

?C: program should be kept on the basis of the user's full name as opposed

?C: to the user's login name. If the user can change his full name he

?C: can enter multiple scores if this is defined.

?C:.

?H:#\$d\_scorfl SCOREFULL /\*\*/

?H:.

?LINT:set d\_scorfl

: see how they want the scoreboard kept

case "\$d\_scorfl" in

"\$define") dflt=y ;;

\*) dflt=n ;;

esac

case "\$nametype" in

other) val="\$undef" ;;

\*)

\$cat <<'EOM'

The scoreboard can be kept with one score per login name, or one score per full name. If users can change their full name, or if there is more than one person on your system with the same full name, you should keep the score by login name (the full name is still printed).

EOM

rp='Do you want the scoreboard kept by full name?'

. /myread

case "\$ans" in

y\*) val="\$define" ;;

\*) val="\$undef" ;;

esac

;;

esac

set d\_scorfl

eval \$setvar

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_scorfl.U

No license file was found, but licenses were detected in source scan.



?RCS: \$Id: Oldconfig.U,v 3.0.1.10 1997/02/28 15:06:39 ram Exp \$  
?RCS:  
?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: Oldconfig.U,v \$  
?RCS: Revision 3.0.1.10 1997/02/28 15:06:39 ram  
?RCS: patch61: added support for src.U  
?RCS: patch61: new OSNAME define  
?RCS: patch61: can now sense new OSes  
?RCS:  
?RCS: Revision 3.0.1.9 1995/07/25 13:40:51 ram  
?RCS: patch56: now knows about OS/2 platforms  
?RCS:  
?RCS: Revision 3.0.1.8 1995/05/12 12:04:18 ram  
?RCS: patch54: config.sh reload logic now knows about new -K switch  
?RCS: patch54: cleaned up and extended osvers for DEC  
OSF/1 (ADO)  
?RCS: patch54: added MachTen detection (ADO)  
?RCS:  
?RCS: Revision 3.0.1.7 1995/02/15 14:13:41 ram  
?RCS: patch51: adapted osvers computation for AIX (ADO)  
?RCS:  
?RCS: Revision 3.0.1.6 1995/01/30 14:27:15 ram  
?RCS: patch49: unit Options.U now exports file optdef.sh, not a variable  
?RCS: patch49: update code for myuname changed (WED)  
?RCS:  
?RCS: Revision 3.0.1.5 1995/01/11 15:15:36 ram  
?RCS: patch45: added quotes around the INITPROG variable (ADO)  
?RCS: patch45: allows variable overriding after config file loading  
?RCS:  
?RCS: Revision 3.0.1.4 1994/10/29 15:57:05 ram  
?RCS: patch36: added ?F: line for metalint file checking  
?RCS: patch36: merged with the version used for perl5's Configure (ADO)  
?RCS:  
?RCS: Revision 3.0.1.3 1994/05/06 14:24:17 ram  
?RCS: patch23: added support for osf1 hints  
?RCS: patch23: new support for solaris and i386 systems (ADO)  
?RCS:  
?RCS: Revision 3.0.1.2 1994/01/24 14:05:02 ram  
?RCS: patch16: added post-processing on myuname for Xenix targets  
?RCS:

patch16: message proposing config.sh defaults made consistent  
?RCS:  
?RCS: Revision 3.0.1.1 1993/09/13 15:56:32 ram  
?RCS: patch10: force use of config.sh when -d option is used (WAD)  
?RCS: patch10: complain about non-existent hint files (WAD)  
?RCS: patch10: added Options dependency for fastread variable  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:12 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This unit tries to remember what we did last time we ran Configure, mostly  
?X: for the sake of setting defaults.  
?X:  
?MAKE:Oldconfig hint myuname osname osvers: Instruct Myread uname \  
Checkcc Mksymlinks run \  
sh awk sed test cat rm lns tr n c contains Loc Options Tr src trnl ln  
?MAKE: -pick wipe \$@ %<  
?S:myuname:  
?S: The output of 'uname -a' if available, otherwise the hostname.  
?S: The whole thing is then lower-cased and slashes and single quotes are  
?S: removed.  
?S:.  
?S:hint:  
?S: Gives the type of hints used for previous answers. May be one of  
?S: "default",  
"recommended" or "previous".  
?S:.  
?S:osname:  
?S: This variable contains the operating system name (e.g. sunos,  
?S: solaris, hpux, etc.). It can be useful later on for setting  
?S: defaults. Any spaces are replaced with underscores. It is set  
?S: to a null string if we can't figure it out.  
?S:.  
?S:osvers:  
?S: This variable contains the operating system version (e.g.  
?S: 4.1.3, 5.2, etc.). It is primarily used for helping select  
?S: an appropriate hints file, but might be useful elsewhere for  
?S: setting defaults. It is set to " if we can't figure it out.  
?S: We try to be flexible about how much of the version number  
?S: to keep, e.g. if 4.1.1, 4.1.2, and 4.1.3 are essentially the  
?S: same for this package, hints files might just be os\_4.0 or  
?S: os\_4.1, etc., not keeping separate files for each little release.  
?S:.  
?C:OSNAME:  
?C: This symbol contains the name of the operating system, as determined  
?C: by Configure. You shouldn't rely on it too much; the specific  
?C: feature tests

from Configure are generally more reliable.

?C:.

?C:OSVERS:

?C: This symbol contains the version of the operating system, as determined

?C: by Configure. You shouldn't rely on it too much; the specific

?C: feature tests from Configure are generally more reliable.

?C:.

?H:#define OSNAME "\$osname" /\*\*/

?H:#define OSVERS "\$osvers" /\*\*/

?H:.

?F:!config.sh

?T:tmp tmp\_n tmp\_c tmp\_sh file

?T:xxxxfile xxxfile xxfile xfile hintfile newmyuname

?T:tans \_ isesix INITPROG DJGPP

?D:osname="

?LINT:change n c sh

?LINT:extern targetarch

?LINT:extern hostarch

?LINT:change hostarch

?LINT:extern is\_os2

: Try to determine whether config.sh was made on this system

case "\$config\_sh" in

)

?X: indentation wrong on purpose--RAM

?X: Leave a white space between first two '(' for ksh. The sub-shell is needed

?X: on some machines to avoid the error message when uname is not found; e.g.

?X: old SUN-OS 3.2 would not execute hostname in (uname -a || hostname). Sigh!

?X: Now not using a subshell but instead \$test.

myuname=`\$uname

-a 2>/dev/null`

\$test -z "\$myuname" && myuname=`hostname 2>/dev/null`

# Downcase everything to avoid ambiguity.

# Remove slashes and single quotes so we can use parts of this in

# directory and file names.

# Remove newlines so myuname is sane to use elsewhere.

# tr '[A-Z]' '[a-z]' would not work in EBCDIC

# because the A-Z/a-z are not consecutive.

myuname=`echo \$myuname | \$sed -e "s,[/],g" | \

./tr '[A-Z]' '[a-z]' | \$tr \$trnl ' `

?X: Save the value we just computed to reset myuname after we get done here.

newmyuname="\$myuname"

dflt=n

case "\$knowitall" in

)

if test -f ../config.sh; then

if \$contains myuname= ../config.sh >/dev/null 2>&1; then

eval "`grep myuname= ../config.sh`"

fi

```

if test "$myuname" = "$newmyuname"; then
    dflt=y
fi
fi
;;
*) dflt=y;;
esac

@if { test -d ../hints }
: Get old answers from old config file if Configure was run on the
: same system, otherwise use the hints.
hint=default
cd ..
?X: Since we are now at the root of the source
tree, we must use $src
?X: to access the sources and not $src. See src.U for details...
if test -f config.sh; then
    echo " "
    rp="I see a config.sh file. Shall I use it to set the defaults?"
    . UU/myread
    case "$ans" in
n*|N*) echo "OK, I'll ignore it."
        mv config.sh config.sh.old
        myuname="$newmyuname"
        ;;
*) echo "Fetching default answers from your old config.sh file..." >&4
        tmp_n="$n"
        tmp_c="$c"
        tmp_sh="$sh"
        . ./config.sh
        cp config.sh UU
        n="$tmp_n"
        c="$tmp_c"
        : Older versions did not always set $sh. Catch re-use of such
        : an old config.sh.
        case "$sh" in
") sh="$tmp_sh" ;;
        esac
        hint=previous
        ;;
    esac
fi
. ./UU/checkcc
if test ! -f config.sh; then
$cat <<EOM

```

First time through, eh? I have some defaults handy for some systems that need some extra help getting the Configure answers right:

EOM

```
(cd $src/hints; ls -C *.sh) | $sed 's/\.sh/ /g' >&4
```

dflt="

: Half the following guesses are probably wrong... If you have better

: tests or hints,

please send them to <MAINTLOC>

: The metaconfig authors would also appreciate a copy...

```
$test -f /irix && osname=irix
```

```
$test -f /xenix && osname=sco_xenix
```

```
$test -f /dynix && osname=dynix
```

```
$test -f /dnix && osname=dnix
```

```
$test -f /lynx.os && osname=lynxos
```

```
$test -f /unicos && osname=unicos && osvers=`$uname -r`
```

```
$test -f /unicosmk && osname=unicosmk && osvers=`$uname -r`
```

```
$test -f /unicosmk.ar && osname=unicosmk && osvers=`$uname -r`
```

```
$test -f /bin/mips && /bin/mips && osname=mips
```

```
$test -d /usr/apollo/bin && osname=apollo
```

```
$test -f /etc/saf/_sactab && osname=svr4
```

```
$test -d /usr/include/minix && osname=minix && osvers=`$uname -r`
```

```
$test -f /system/gnu_library/bin/ar.pm && osname=vos
```

```
$test -f /sys/utilities/MultiView && osname=amigaos
```

```
if $test -d /MachTen -o -d /MachTen_Folder; then
```

?X: MachTen uname -a output looks like

?X: xxx 4 0.0 Macintosh

?X: MachTen /sbin/version output looks like

?X: MachTen 4.0 Mon Aug 28 10:18:00 1995

?X: MachTen 3.x had the 'version' command in /usr/etc/version.

```
osname=machten
```

```
if
```

```
$test -x /sbin/version; then
```

```
osvers=`/sbin/version | $awk '{print $2}' |
```

```
$sed -e 's/[A-Za-z]$//`
```

```
elif $test -x /usr/etc/version; then
```

```
osvers=`/usr/etc/version | $awk '{print $2}' |
```

```
$sed -e 's/[A-Za-z]$//`
```

```
else
```

```
osvers="$2.$3"
```

```
fi
```

```
fi
```

```
$test -f /sys/posix.dll &&
```

```
$test -f /usr/bin/what &&
```

```
set X `usr/bin/what /sys/posix.dll` &&
```

```
$test "$3" = UWIN &&
```

```
osname=uwin &&
```

```
osvers="$5"
```

?X: If we have uname, we already computed a suitable uname -a output,

?X: and it lies in \$myuname.

```
if $test -f $uname; then
  set X $myuname
  shift
```

```
case "$5" in
  fps*) osname=fps ;;
  mips*)
  case "$4" in
    umips) osname=umips ;;
    *) osname=mips ;;
  esac;;
  [23]100) osname=mips ;;
```

?X: Interactive Unix.

```
i386*)
```

```
tmp=`/bin/uname -X 2>/dev/null|awk '/3\.2v[45]/{ print $(NF) }`
if $test "$tmp" != "" -a "$3" = "3.2" -a -f '/etc/systemid'; then
  osname='sco'
  osvers=$tmp
elif $test -f /etc/kconfig; then
  osname=isc
  if
test "$lns" = "$ln -s"; then
  osvers=4
  elif $contains _SYSV3 /usr/include/stdio.h > /dev/null 2>&1 ; then
  osvers=3
  elif $contains _POSIX_SOURCE /usr/include/stdio.h > /dev/null 2>&1 ; then
  osvers=2
  fi
  fi
  tmp=""
;;
```

?X: MS-DOS djgpp uname -a output looks like:

?X: ms-dos xxx 6 22 pc

?X: \$1 is the "dos flavor" (need not be "ms-dos").

?X: \$2 is the node name

?X: \$3 and \$4 are version/subversion

?X: \$5 is always "pc", but that might not be unique to DJGPP.

?X: (e.g. Solaris\_x86 has \$5 = i86pc, which doesn't actually conflict,

?X: but it's close enough that I can easily imagine other vendors also

?X: using variants of pc\* in \$5.)

?X: The "DJGPP" environment variable is always set when djgpp is active.

```
pc*)
```

```
if test -n "$DJGPP"; then
  osname=dos
  osvers=djgpp
fi
```

```

;;
esac

case "$1" in
aix) osname=aix
?X: aix 4.1 uname -a output looks like
?X: AIX foo 1 4 000123456789
?X: where $4 is the major release number and $3 is the (minor)
version.
?X: More detail on the version is available with the oslevel command.
?X: in 3.2.x, it output a string (see case statements below). In 4.1,
?X: it puts out something like 4.1.1.0
tmp=`( oslevel) 2>/dev/null || echo "not found") 2>&1`
case "$tmp" in
# oslevel can fail with:
# oslevel: Unable to acquire lock.
*not\ found) osvers="$4"."$3" ;;
'<3240'|<3240') osvers=3.2.0 ;;
'=3240'|>3240'|<3250'|<3250') osvers=3.2.4 ;;
'=3250'|>3250') osvers=3.2.5 ;;
*) osvers=$tmp;;
esac
;;
bitrig) osname=bitrig
osvers="$3"
;;
bsd386) osname=bsd386
osvers=`$uname -r`
;;
cygwin*) osname=cygwin
osvers="$3"
;;
*dc.osx) osname=dcosx
osvers="$3"
;;
dnix) osname=dnix
osvers="$3"
;;
domainos) osname=apollo
osvers="$3"
;;
dgux) osname=dgux
osvers="$3"
;;
dragonfly) osname=dragonfly
osvers="$3"
;;
?X: uname -a returns

```

```

?X: DYNIX/ptx xxx 4.0 V4.1.2 i386
dynixptx*) osname=dynixptx
osvers=`echo
"$4"|sed 's/^v//'^
;;
freebsd) osname=freebsd
osvers="$3" ;;
genix) osname=genix ;;
?X: GNU/Hurd uname -a gives something like:
?X: GNU foo 0.3 GNU-Mach 1.4/Hurd-0.3 i386-AT386 GNU
?X: GNU gnu 0.3 GNUmach-1.2/Hurd-0.3 i386-AT386 GNU
?X: Note the hostname on the second one, which will fool Configure
?X: into using the SysV case!
gnu) osname=gnu
osvers="$3" ;;
?X: HP-UX uname -a gives something like
?X: HP-UX foobar B.10.20 A 9000/735 2016483812 two-user license
?X: Preserve the full 10.20 string instead of the previous plain '10'.
?X: Thanks to Graham Barr. --AD 6/30/1998
hp*) osname=hpx
osvers=`echo "$3" | $sed 's,.*\.[0-9]*\.[0-9]*\),\1,'
;;
irix*) osname=irix
case "$3" in
4*) osvers=4 ;;
5*) osvers=5 ;;
*) osvers="$3" ;;
esac
;;
linux) osname=linux
case "$3" in
*) osvers="$3" ;;
esac
$test -f /system/lib/libandroid.so && osname=linux-android
;;
MiNT) osname=mint
;;
minix) osname=minix
osvers=`$uname -r`
;;
netbsd*)
osname=netbsd
osvers="$3"
;;
news-os) osvers="$3"
case "$3" in
4*) osname=newsos4 ;;
*) osname=newsos ;;

```



```

esac
;;
nonstop-ux) osname=nonstopux ;;
openbsd) osname=openbsd
osvers="$3"
;;
os2) osname=os2
osvers="$4"
;;
POSIX-BC | posix-bc ) osname=posix-bc
osvers="$3"
;;
powerux | power_ux | powermax_os | powermaxos | \
powerunix | power_unix) osname=powerux
osvers="$3"
;;
qnx) osname=qnx
osvers="$4"
;;
solaris) osname=solaris
case "$3" in
5*) osvers=`echo $3 | $sed 's/^5/2/g` ;;
*) osvers="$3" ;;
esac
;;
sunos) osname=sunos
case "$3" in
5*) osname=solaris
osvers=`echo $3 | $sed 's/^5/2/g` ;;
*) osvers="$3" ;;
esac
;;
titanos) osname=titanos
case "$3" in
1*) osvers=1 ;;
2*) osvers=2 ;;
3*) osvers=3 ;;
4*) osvers=4 ;;
*) osvers="$3" ;;
esac
;;
ultrix) osname=ultrix
osvers="$3"
;;
osf1|mls+) case "$5" in
alpha)
?X: DEC OSF/1 myuname

```

-a output looks like: osf1 xxxx t3.2 123.4 alpha

?X: where the version number can be something like [xvt]n.n

```
osname=dec_osf
```

?X: sizer knows the minor minor version: the letter

```
osvers=`sizer -v | awk -FUNIX '{print $2}' | awk '{print $1}' | tr '[A-Z]' '[a-z]' | sed 's/^[xvt]//'
```

```
case "$osvers" in
```

```
[1-9].[0-9]*) ;;
```

```
*) osvers=`echo "$3" | sed 's/^[xvt]//'
```

```
esac
```

```
::
```

```
hp*) osname=hp_osf1 ;;
```

```
mips) osname=mips_osf1 ;;
```

?X: hp and mips were unsupported Technology Releases -- ADO, 24/10/94

```
esac
```

```
::
```

```
# UnixWare 7.1.2 is known as Open UNIX 8
```

```
openunix|unixware) osname=svr5
```

```
osvers="$4"
```

```
::
```

```
uts) osname=uts
```

```
osvers="$3"
```

```
::
```

```
vos) osvers="$3"
```

```
::
```

```
$2) case "$osname" in
```

```
*isc*) ;;
```

```
*freebsd*) ;;
```

```
svr*)
```

```
: svr4.x or possibly later
```

```
case "svr$3" in
```

```
${osname}*)
```

```
osname=svr$3
```

```
osvers=$4
```

```
::
```

```
esac
```

```
case "$osname" in
```

```
svr4.0)
```

```
: Check for ESIX
```

```
if test -f /stand/boot ; then
```

```
eval `grep '^INITPROG=[a-z/0-9]*$'
```

```
/stand/boot`
```

```
if test -n "$INITPROG" -a -f "$INITPROG"; then
```

```
isesix=`strings -a $INITPROG|grep 'ESIX SYSTEM V/386 Release 4.0'
```

```
if test -n "$isesix"; then
```

```
osname=esix4
```

```
fi
```

```
fi
```

```
fi
```

```

;;
esac
;;
*) if test -f /etc/systemid; then
    osname=sco
    set `echo $3 | $sed 's/\./ /g` $4
    if $test -f $src/hints/sco_${1}_${2}_${3}.sh; then
        osvers=$1.$2.$3
    elif $test -f $src/hints/sco_${1}_${2}.sh; then
        osvers=$1.$2
    elif $test -f $src/hints/sco_${1}.sh; then
        osvers=$1
    fi
else
    case "$osname" in
        ") : Still unknown. Probably a generic Sys V.
        osname="sysv"
        osvers="$3"
        ;;
    esac
fi
;;
esac
;;
*) case "$osname" in
        ") : Still unknown. Probably a generic BSD.
        osname="$1"
        osvers="$3"
        ;;
    esac
;;
esac
else
?X: Try to identify sony's NEWS-OS (BSD unix)
if test -f /vmunix -a -f $src/hints/news_os.sh; then
    (what /vmunix | UU/tr '[A-Z]'
[a-z]') > UU/kernel.what 2>&1
if $contains news-os UU/kernel.what >/dev/null 2>&1; then
    osname=news_os
fi
$rm -f UU/kernel.what
?X: Maybe it's OS/2 or DOS or something similar
elif test -d c:/ -o -n "$is_os2" ; then
    set X $myuname
    osname=os2
    osvers="$5"
fi
fi

```

```

case "$targetarch" in
") ;;
*) hostarch=$osname
case "$targetarch" in
nto*|*-nto-*)
# Will load qnx.sh, which should change osname to nto
osname=qnx
osvers=""
;;
*linux-android*)
# Catch arm-linux-androideabi, mipsel-linux-android,
# and i686-linux-android
osname=linux-android
osvers=""
;;
*linux*)
# Something like arm-linux-gnueabi is really just
# plain linux.
osname=linux

osvers=""
;;
*solaris*|*sunos*)
osname=solaris
# XXX perhaps we should just assume
# osvers to be 2, or maybe take the value
# from targetarch. Using $run before the
# hints are run is somewhat icky.
set X ` $run $uname -a 2>/dev/null `
shift
case "$3" in
5*) osvers=`echo $3 | $sed 's/^5/2/g'` ;;
*) osvers="$3" ;;
esac
;;
*)
osname=`echo $targetarch|sed 's,^[^-]*-,`
osvers=""
;;
esac
;;
esac

```

: Now look for a hint file osname\_osvers, unless one has been  
: specified already.

```

case "$hintfile" in
"| ' )

```

```
file=`echo "${osname}_${osvers}" | $sed -e 's%\.\%_%g' -e 's%_$$%'`
```

: Also try without trailing minor version

numbers.

```
xfile=`echo $file | $sed -e 's%[_^]*$%'`
```

```
xxfile=`echo $xfile | $sed -e 's%[_^]*$%'`
```

```
xxxfile=`echo $xxfile | $sed -e 's%[_^]*$%'`
```

```
xxxxfile=`echo $xxxfile | $sed -e 's%[_^]*$%'`
```

```
case "$file" in
```

```
) dflt=none ;;
```

```
*) case "$osvers" in
```

```
) dflt=$file
```

```
;;
```

```
*) if $test -f $src/hints/$file.sh ; then
```

```
  dflt=$file
```

```
elif $test -f $src/hints/$xfile.sh ; then
```

```
  dflt=$xfile
```

```
elif $test -f $src/hints/$xxfile.sh ; then
```

```
  dflt=$xxfile
```

```
elif $test -f $src/hints/$xxxfile.sh ; then
```

```
  dflt=$xxxfile
```

```
elif $test -f $src/hints/$xxxxfile.sh ; then
```

```
  dflt=$xxxxfile
```

```
elif $test -f "$src/hints/${osname}.sh" ; then
```

```
  dflt="${osname}"
```

```
else
```

```
  dflt=none
```

```
fi
```

```
;;
```

```
esac
```

```
;;
```

```
esac
```

```
if $test -f Policy.sh ; then
```

```
  case "$dflt" in
```

```
  *Policy*) ;;
```

```
  none) dflt="Policy" ;;
```

```
  *) dflt="Policy $dflt" ;;
```

```
  esac
```

```
fi
```

```
;;
```

```
*)
```

```
  dflt=`echo $hintfile | $sed 's/\.sh$/`
```

```
;;
```

```
esac
```

```
if $test -f Policy.sh ; then
```

```
  $cat <<EOM
```

There's also

a Policy hint file available, which should make the site-specific (policy) questions easier to answer.

EOM

fi

\$cat <<EOM

You may give one or more space-separated answers, or "none" if appropriate.

If you have a handcrafted Policy.sh file or a Policy.sh file generated by a previous run of Configure, you may specify it as well as or instead of OS-specific hints. If hints are provided for your OS, you should use them: although Perl can probably be built without hints on many platforms, using hints often improve performance and may enable features that Configure can't set up on its own. If there are no hints that match your OS, specify "none"; DO NOT give a wrong version or a wrong OS.

EOM

```
rp="Which of these apply, if any?"
. UU/myread
tans=$ans
for file in $tans; do
if $test X$file = XPolicy -a -f Policy.sh; then
. Policy.sh
$cat Policy.sh >> UU/config.sh
elif $test -f $src/hints/$file.sh; then
. $src/hints/$file.sh
$cat $src/hints/$file.sh >> UU/config.sh
elif
$test X"$tans" = X -o X"$tans" = Xnone ; then
: nothing
else
: Give one chance to correct a possible typo.
echo "$file.sh does not exist"
dflt=$file
rp="hint to use instead?"
. UU/myread
for file in $ans; do
if $test -f "$src/hints/$file.sh"; then
. $src/hints/$file.sh
$cat $src/hints/$file.sh >> UU/config.sh
elif $test X$ans = X -o X$ans = Xnone ; then
: nothing
else
echo "$file.sh does not exist -- ignored."
fi
done
```

```

fi
done

hint=recommended
: Remember our hint file for later.
if $test -f "$src/hints/$file.sh" ; then
    hintfile="$file"
else
    hintfile=""
fi
fi
cd UU
?X: From here on, we must use $rsrc instead of $src
@else
: Get old answers, if there is a config file out there
hint=default
hintfile=""
if test -f ../config.sh; then
    echo " "
    rp="I see a config.sh file. Shall I use it to set the defaults?"
    . ./myread
    case "$ans" in
n*|N*) echo "OK, I'll ignore it.";;
*) echo "Fetching default answers from
your old config.sh file..." >&4
    tmp_n="$n"
    tmp_c="$c"
    . ../config.sh
    cp ../config.sh .
    n="$tmp_n"
    c="$tmp_c"
    hint=previous
    ;;
esac
fi
@end
?X: remember, indentation is wrong--RAM
;;
*)
echo " "
echo "Fetching default answers from $config_sh..." >&4
tmp_n="$n"
tmp_c="$c"
cd ..
?X: preserve symbolic links, if any
cp $config_sh config.sh 2>/dev/null
chmod +w config.sh
. ./config.sh

```

```

cd UU
cp ../config.sh .
n="$tmp_n"
c="$tmp_c"
hint=previous
;;
esac
./optdef.sh

```

```

: Restore computed paths
for file in $loclist $strylist; do
    eval $file="\$_$file"
done

```

```

@if osname || osvers
cat << EOM

```

Configure uses the operating system name and version to set some defaults. The default value is probably right if the name rings a bell. Otherwise, since spelling matters for me, either accept the default or answer "none" to leave it blank.

```

EOM
@end
@if osname
case "$osname" in
    '| ')
        case "$hintfile" in
            '| '|none) dflt=none ;;
            *) dflt=`echo $hintfile | $sed -e 's/\.sh$//'
                -e 's/_.*$//'^` ;;
        esac
        ;;
        *) dflt="$osname" ;;
    esac
rp="Operating system name?"
./myread
case "$ans" in
    none) osname="" ;;
    *) osname=`echo "$ans" | $sed -e 's/[ ][ ]*/_/g' | ./tr '[A-Z]' '[a-z]'^` ;;
    esac
@end
@if osvers
@if osname
echo " "
@end
case "$osvers" in
    '| ')

```



```

case "$hintfile" in
"| ' |none) dflt=none ;;
*) dflt=`echo $hintfile | $sed -e 's/\.sh$//' -e 's/^[^_]*//'^
dflt=`echo $dflt | $sed -e 's/^[^_]*//'^ -e 's/_/./g'^
case "$dflt" in
"| ' ') dflt=none ;;
esac
;;
esac
;;
*) dflt="$osvers" ;;
esac
rp="Operating system version?"
./myread
case "$ans" in
none) osvers="";;
*) osvers="$ans" ;;
esac

@end

./posthint.sh

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Oldconfig.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_msem_lck.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_msem_lck.U,v $
?MAKE:d_msem_lck: Inlibc
?MAKE: -pick add $@ %<
?S:d_msem_lck:
?S: This variable conditionally defines HAS_MSEM_LOCK if msem_lock() is
?S: available, thereby indicating kernel support for memory semaphores.
?S:
?C:HAS_MSEM_LOCK:
?C: This symbol, if defined, indicates that memory semaphores are
?C: available to protect mmap()'ed regions.
```

```
?C:.
?H:#$d_msem_lck HAS_MSEM_LOCK /**/
?H:.
?LINT:set d_msem_lck
: see if msem_lock exists
set
msem_lock d_msem_lck
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_msem_lck.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_ualarm: Inlibc
?MAKE:-pick add $@ %<
?S:d_ualarm:
?S: This variable conditionally defines the HAS_UALARM symbol, which
?S: indicates to the C program that the ualarm() routine is available.
?S:.
?C:HAS_UALARM:
?C: This symbol, if defined, indicates that the ualarm routine is
?C: available to do alarms with microsecond granularity.
?C:.
?H:#$d_ualarm HAS_UALARM /**/
?H:.
?LINT:set d_ualarm
: see if ualarm exists
set ualarm d_ualarm
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_ualarm.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: vendorbin.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999, Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
```

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: vendorbin.U,v \$

?RCS: Revision 1.1 1999/07/08 18:32:57 doughera

?RCS: Initial revision

?RCS:

?MAKE:d\_vendorbin vendorbin vendorbinexp installvendorbin: Getfile \  
 Setprefixvar Oldconfig Prefixit vendorprefix

?MAKE: -pick add \$@ %<

?Y:TOP

?S:vendorbin:

?S: This variable contains the eventual value of the VENDORBIN symbol.

?S: It may have a ~ on the front.

?S: The standard distribution will put nothing in this directory.

?S: Vendors who distribute perl  
 may wish to place additional

?S: binaries in this directory with

?S: MakeMaker Makefile.PL INSTALLDIRS=vendor

?S: or equivalent. See INSTALL for details.

?S:.

?S:vendorbinexp:

?S: This variable is the ~name expanded version of vendorbin, so that you

?S: may use it directly in Makefiles or shell scripts.

?S:.

?D:installvendorbin="

?S:installvendorbin:

?S: This variable is really the same as vendorbinexp but may differ on

?S: those systems using AFS. For extra portability, only this variable

?S: should be used in makefiles.

?S:.

?S:d\_vendorbin:

?S: This variable conditionally defines PERL\_VENDORBIN.

?S:.

?C:PERL\_VENDORBIN:

?C: If defined, this symbol contains the name of a directory

?C: for holding vendor-supplied executables.

?C: It may have a ~ on the front.

?C: The standard distribution will put nothing in this directory.

?C: Vendors who distribute perl may wish to place additional

?C: binaries in this directory with

?C: MakeMaker Makefile.PL INSTALLDIRS=vendor

?C: or equivalent.  
 See INSTALL for details.

?C:.

?C:PERL\_VENDORBIN\_EXP:

?C: This symbol contains the ~name expanded version of VENDORBIN, to be used

?C: in programs that are not prepared to deal with ~ expansion at run-time.

?C:.

?H:#\$d\_vendorbin PERL\_VENDORBIN "\$vendorbin" /\*\*/

?H:#\$d\_vendorbin PERL\_VENDORBIN\_EXP "\$vendorbinexp" /\*\*/

?H:.

?LINT:change prefixvar

?LINT:set installvendorbin

: Set the vendorbin variables

case "\$vendorprefix" in

) d\_vendorbin="\$undef"

vendorbin="

vendorbinexp="

::

\*) d\_vendorbin="\$define"

: determine where vendor-supplied executables go.

case "\$vendorbin" in

) dflt=\$vendorprefix/bin ;;

\*) dflt="\$vendorbin" ;;

esac

fn=d~+

rp='Pathname for the vendor-supplied executables directory?'

./getfile

vendorbin="\$ans"

vendorbinexp="\$ansexp"

::

esac

prefixvar=vendorbin

./installprefix

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/vendorbin.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_termio.U,v \$

?RCS: Revision 3.0.1.4 1994/10/29 16:20:54 ram

?RCS: patch36: call ./usg and ./Cppsym explicitly instead of relying on PATH

?RCS:  
?RCS: Revision 3.0.1.3 1994/08/29 16:26:38 ram  
?RCS: patch32: don't include all three I\_\* symbols in config.h  
?RCS: patch32: (had forgotten to undo this part last time)  
?RCS:  
?RCS: Revision 3.0.1.2 1994/05/13 15:25:03 ram  
?RCS: patch27: undone ADO's fix in previous patch since it was useless  
?RCS:  
?RCS: Revision 3.0.1.1 1994/05/06 15:05:23  
ram  
?RCS: patch23: now include all three defines in config.h (ADO)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:08:44 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:i\_termio i\_sgtty i\_termios: test Inlibc Cppsym Guess Setvar Findhdr Warn  
?MAKE: -pick add \$@ %<  
?S:i\_termio:  
?S: This variable conditionally defines the I\_TERMIO symbol, which  
?S: indicates to the C program that it should include <termio.h> rather  
?S: than <sgtty.h>.  
?S:.  
?S:i\_termios:  
?S: This variable conditionally defines the I\_TERMIOS symbol, which  
?S: indicates to the C program that the POSIX <termios.h> file is  
?S: to be included.  
?S:.  
?S:i\_sgtty:  
?S: This variable conditionally defines the I\_SGTTY symbol, which  
?S: indicates to the C program that it should include <sgtty.h> rather  
?S: than <termio.h>.  
?S:.  
?C:I\_TERMIO:  
?C: This symbol, if defined, indicates that the program should include  
?C: <termio.h> rather than <sgtty.h>. There are also differences in  
?C: the ioctl() calls that depend on the value of  
this symbol.  
?C:.  
?C:I\_TERMIOS:  
?C: This symbol, if defined, indicates that the program should include  
?C: the POSIX termios.h rather than sgtty.h or termio.h.  
?C: There are also differences in the ioctl() calls that depend on the  
?C: value of this symbol.  
?C:.  
?C:I\_SGTTY:  
?C: This symbol, if defined, indicates that the program should include  
?C: <sgtty.h> rather than <termio.h>. There are also differences in  
?C: the ioctl() calls that depend on the value of this symbol.

```

?C:
?H:#$i_termio I_TERMIO /**/
?H:#$i_termios I_TERMIOS /**/
?H:#$i_sgTTY I_SGTTY /**/
?H:
?T:val2 val3
?LINT:set i_termio i_sgTTY i_termios
: see if this is a termio system
val="$undef"
val2="$undef"
val3="$undef"
?X: Prefer POSIX-approved termios.h over all else
if $test `./findhdr termios.h`; then
    set tcsetattr i_termios
    eval $inlibc
    val3="$i_termios"
fi
echo " "
case "$val3" in
"$define") echo "You have POSIX termios.h... good!" >&4;;
*) if ./Cpplib.py; then
    case "`/bin/universe`" in
ucb) if $test `./findhdr
sgTTY.h`; then
    val2="$define"
    echo "<sgTTY.h> found." >&4
    else
    echo "System is pyramid with BSD universe."
    ./warn "<sgTTY.h> not found--you could have problems."
    fi;;
*) if $test `./findhdr termio.h`; then
    val="$define"
    echo "<termio.h> found." >&4
    else
    echo "System is pyramid with USG universe."
    ./warn "<termio.h> not found--you could have problems."
    fi;;
esac
?X: Start with USG to avoid problems if both usg/bsd was guessed
elif ./usg; then
if $test `./findhdr termio.h`; then
    echo "<termio.h> found." >&4
    val="$define"
elif $test `./findhdr sgTTY.h`; then
    echo "<sgTTY.h> found." >&4
    val2="$define"
else
    ./warn "Neither <termio.h> nor <sgTTY.h> found--cross fingers!"

```

```

fi
else
if $test `./findhdr sgtty.h`; then
  echo "<sgtty.h> found." >&4
  val2="$define"
elif $test `./findhdr termio.h`; then
  echo "<termio.h> found." >&4
  val="$define"
else
  ./warn "Neither <sgtty.h> nor <termio.h> found--cross
  fingers!"
fi
fi;;
esac
set i_termio; eval $setvar
val=$val2; set i_sgtty; eval $setvar
val=$val3; set i_termios; eval $setvar

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_termio.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Whoa.U,v 3.0.1.2 1997/02/28 15:21:21 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: Whoa.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 15:21:21 ram

?RCS: patch61: whoa script now starts with leading "startsh"

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 16:02:01 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:19 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit produces a bit of shell code that must be dotted in in order

?X: to warn the user in case a change into a variable

is noticed.

?X:

?X: To use this unit, \$was must hold the old value that has changed. Upon  
?X: exit, the two variables \$td and \$tu are set to the correct value for  
?X: respectively defining or undefining a variable. For instance, if \$vas was  
?X: \$undef, but now \$var is \$define, after calling . whoa, you should use  
?X: eval "\$var=\\$tu" to finally set \$var to the correct value. See unit Inlibc.  
?X:

?MAKE:Whoa: Myread startsh hint

?MAKE: -pick add \$@ %<

?F:./whoa

?T:var was td tu hintfile

: set up the script used to warn in case of inconsistency

cat <<EOS >whoa

\$startsh

EOS

cat <<'EOESC' >>whoa

dflt=y

case "\$hint" in

recommended)

case "\$hintfile" in

) echo "The \$hint value for \\$\$var on this machine was \"\$was\!" >&4

::

\*) echo "Hmm. Based on the hints in hints/\$hintfile.sh, " >&4

echo "the \$hint value for \\$\$var on this machine was \"\$was\!" >&4

::

esac

::

\*) echo " "

echo "\*\*\* WHOA THERE!!! \*\*\*" >&4

echo " The \$hint value for \\$\$var on this machine was

\\$was\!" >&4

::

esac

rp=" Keep the \$hint value?"

./myread

case "\$ans" in

y) td=\$was; tu=\$was;;

esac

EOESC

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Whoa.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:



?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:usesocks: Myread Oldconfig Setvar

?MAKE: -pick add \$@ %<

?Y:TOP

?S:usesocks:

?S: This variable conditionally defines the USE\_SOCKS symbol,

?S: and indicates that Perl should be built to use SOCKS.

?S:.

?C:USE\_SOCKS:

?C: This symbol, if defined, indicates that Perl should

?C: be built to use socks.

?C:.

?H:%<:#ifndef USE\_SOCKS

?H:%<:#\$usesocks USE\_SOCKS /\*\*/

?H:%<:#endif

?H:.

?LINT:set usesocks

?INIT:: set usesocks on the Configure command line to enable socks.

: Check is we will use socks

?X: We should really have some explanatory text here, and some

?X: automatic setting of sensible defaults.

case "\$usesocks" in

\$define|true|[yY]\*) dflt='y';

\*) dflt='n';

esac

cat <<EOM

Perl can be built to

use the SOCKS proxy protocol library. To do so,

Configure must be run with -Dusesocks. If you use SOCKS you also need

to use the PerlIO abstraction layer, this will be implicitly selected.

If this doesn't make any sense to you, just accept the default '\$dflt'.

EOM

rp='Build Perl for SOCKS?'

./myread

case "\$ans" in

y|Y) val="\$define" ;;

\*) val="\$undef" ;;

esac

set usesocks

eval \$setvar

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/perl/usesocks.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: uidtype.U,v $
?RCS: Revision 3.0.1.3 1994/08/29 16:33:25 ram
?RCS: patch32: now uses new Typedef unit to compute type information
?RCS:
?RCS: Revision 3.0.1.2 1994/06/20 07:09:36 ram
?RCS: patch30: comment for uidtype referred to the obsoleted symbol
?RCS:
?RCS: Revision 3.0.1.1 1994/05/13 15:28:27 ram
?RCS: patch27: made conform to its gidtype.U companion
?RCS: patch27: question now explicitly mentions getuid()
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:56 ram
?RCS: Baseline for dist
3.0 netwide release.
?RCS:
?MAKE:uidtype: Myread Typedef Findhdr
?MAKE: -pick add $@ %<
?S:uidtype:
?S: This variable defines Uid_t to be something like uid_t, int,
?S: ushort, or whatever type is used to declare user ids in the kernel.
?S:.
?C:Uid_t (UIDTYPE):
?C: This symbol holds the type used to declare user ids in the kernel.
?C: It can be int, ushort, uid_t, etc... It may be necessary to include
?C: <sys/types.h> to get any typedef'ed information.
?C:.
?H:#define Uid_t $uidtype /* UID type */
?H:.
?T:xxx
: see what type uids are declared as in the kernel
set uid_t uidtype xxx stdio.h sys/types.h
eval $typedef
case "$uidtype" in
xxx)
xxx=`./findhdr sys/user.h`
set `grep '_ruid;' "$xxx" 2>/dev/null` unsigned short
```

```

case $1 in
unsigned) dflt="$1 $2" ;;
*) dflt="$1" ;;
esac
;;
*) dflt="$uidtype";;
esac
echo " "
rp="What is the type for user ids returned by getuid()?"
./myread
uidtype="$ans"

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/uidtype.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_getitimer: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getitimer:

?S: This variable conditionally defines the HAS\_GETITIMER symbol, which

?S: indicates to the C program that the getitimer() routine is available.

?S:.

?C:HAS\_GETITIMER:

?C: This symbol, if defined, indicates that the getitimer routine is

?C: available to return interval timers.

?C:.

?H:#\$d\_getitimer HAS\_GETITIMER /\*\*/

?H:.

?LINT:set d\_getitimer

: see if getitimer exists

set getitimer d\_getitimer

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_getitimer.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_fp\_class.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:i\_fp\_class: Inhdr Hasfield  
?MAKE:-pick add \$@ %<  
?S:i\_fp\_class:  
?S: This variable conditionally defines the I\_FP\_CLASS symbol, and indicates  
?S: whether a C program should include <fp\_class.h>.  
?S:.  
?C:I\_FP\_CLASS:  
?C: This symbol, if defined, indicates that <fp\_class.h> exists and  
?C: should be included.  
?C:.  
?H:#\$i\_fp\_class I\_FP\_CLASS /\*\*/  
?H:.  
?LINT:set i\_fp\_class  
: see if this is a fp\_class.h system  
set fp\_class.h i\_fp\_class  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_fp\_class.U

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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?MAKE:d\_nanosleep: Inlibc  
?MAKE:-pick add \$@ %<  
?S:d\_nanosleep:  
?S: This variable conditionally defines HAS\_NANOSLEEP  
?S: if nanosleep() is available to sleep with 1E-9 sec accuracy.  
?S:.  
?C:HAS\_NANOSLEEP:  
?C: This symbol, if defined, indicates that the nanosleep  
?C: system call is available to sleep with 1E-9 sec accuracy.  
?C:.  
?H:#\$d\_nanosleep HAS\_NANOSLEEP /\*\*/

```
?H:
?LINT:set d_nanosleep
: see if nanosleep exists
set nanosleep d_nanosleep
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_nanosleep.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: pkgsrc.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
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```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?MAKE:pkgsrc: src rsrc
```

```
?MAKE: -pick add $@ %<
```

```
?S:pkgsrc:
```

```
?S: This variable holds the absolute path of the package source.
```

```
?S:.
```

```
?C:PACKAGE_SOURCE_DIR:
```

```
?C: Holds the directory name holding the package source.
```

```
?C:.
```

```
?H:#define PACKAGE_SOURCE_DIR "$pkgsrc"
```

```
?H:.
```

```
: define absolute package source directory
```

```
case "$src" in
```

```
/*) pkgsrc=$src;;
```

```
*) pkgsrc=`cd $rsrc; pwd`;;
```

```
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/pkgsrc.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_ustat.U,v $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

?RCS:  
?MAKE:i\_ustat: Inhdr Hasfield  
?MAKE: -pick add \$@ %<  
?S:i\_ustat:  
?S: This variable conditionally defines the I\_USTAT symbol, and indicates  
?S: whether a C program should include <ustat.h>.  
?S:.  
?C:I\_USTAT:  
?C: This symbol, if defined, indicates that <ustat.h> exists and  
?C: should be included.  
?C:.  
?H:#\$i\_ustat I\_USTAT /\*\*/  
?H:.  
?LINT:set i\_ustat  
: see if this is a ustat.h system  
set ustat.h i\_ustat  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_ustat.U

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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Tye McQueen <tye@metronet.com> added safe setuid script checks.  
?RCS:  
?RCS: \$Log: d\_dosuid.U,v \$  
?RCS: Revision 3.0.1.2 1997/02/28 15:33:03 ram  
?RCS: patch61: moved unit to TOP via a ?Y: layout directive  
?RCS: patch61: tell them /dev/fd is not about floppy disks  
?RCS:  
?RCS: Revision 3.0.1.1 1994/10/29 16:12:08 ram  
?RCS: patch36: added checks for secure setuid scripts (Tye McQueen)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:55 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_dosuid

```

d_suidsafe: cat contains ls rm test Myread Setvar \
Oldconfig Guess package hint
?MAKE: -pick add $@ %<
?S:d_suidsafe:
?S: This variable conditionally defines SETUID_SCRIPTS_ARE_SECURE_NOW
?S: if setuid scripts can be secure. This test looks in /dev/fd/.
?S:.
?S:d_dosuid:
?S: This variable conditionally defines the symbol DOSUID, which
?S: tells the C program that it should insert setuid emulation code
?S: on hosts which have setuid #! scripts disabled.
?S:.
?C:SETUID_SCRIPTS_ARE_SECURE_NOW:
?C: This symbol, if defined, indicates that the bug that prevents
?C: setuid scripts from being secure is not present in this kernel.
?C:.
?C:DOSUID:
?C: This symbol, if defined, indicates that the C program should
?C: check the script that it is executing for setuid/setgid bits, and
?C: attempt to emulate setuid/setgid on systems that have disabled
?C: setuid #! scripts because the kernel can't do it securely.
?C: It is up to the package designer to make sure that this emulation
?C: is done securely.
    Among other things, it should do an fstat on
?C: the script it just opened to make sure it really is a setuid/setgid
?C: script, it should make sure the arguments passed correspond exactly
?C: to the argument on the #! line, and it should not trust any
?C: subprocesses to which it must pass the filename rather than the
?C: file descriptor of the script to be executed.
?C:.
?H:#$d_suidsafe SETUID_SCRIPTS_ARE_SECURE_NOW /**/
?H:#$d_dosuid DOSUID /**/
?H:.
?Y:TOP
?F:!reflect
?LINT: set d_suidsafe
?LINT: set d_dosuid
: see if setuid scripts can be secure
$cat <<EOM

```

Some kernels have a bug that prevents setuid #! scripts from being secure. Some sites have disabled setuid #! scripts because of this.

First let's decide if your kernel supports secure setuid #! scripts.  
(If setuid #! scripts would be secure but have been disabled anyway,  
don't say that they are secure if asked.)

EOM

```

val="$undef"
if $test -d /dev/fd; then
echo "#!$ls" >reflect
chmod +x,u+s reflect
./reflect >flect
2>&1
if $contains "/dev/fd" flect >/dev/null; then
echo "Congratulations, your kernel has secure setuid scripts!" >&4
val="$define"
else
$cat <<EOM

```

If you are not sure if they are secure, I can check but I'll need a username and password different from the one you are using right now. If you don't have such a username or don't want me to test, simply enter 'none'.

EOM

```

rp='Other username to test security of setuid scripts with?'
dflt='none'
. ./myread
case "$ans" in
n|none)
case "$d_suidsafesafe" in
") echo "I'll assume setuid scripts are *not* secure." >&4
dflt=n;;
"$undef")
echo "Well, the $hint value is *not* secure." >&4
dflt=n;;
*) echo "Well, the $hint value *is* secure." >&4
dflt=y;;
esac
;;
*)
$rm -f reflect flect
echo "#!$ls" >reflect
chmod +x,u+s reflect
echo >flect
chmod a+w flect
echo "'su' will (probably) prompt you for '$ans's password.'"
su $ans -c './reflect >flect'
if $contains "/dev/fd" flect
>/dev/null; then
echo "Okay, it looks like setuid scripts are secure." >&4
dflt=y
else
echo "I don't think setuid scripts are secure." >&4
dflt=n

```



```

fi
;;
esac
rp='Does your kernel have *secure* setuid scripts?'
./myread
case "$ans" in
[yY]*) val="$define";;
*) val="$undef";;
esac
fi
else
echo "I don't think setuid scripts are secure (no /dev/fd directory)." >&4
echo "(That's for file descriptors, not floppy disks.)"
val="$undef"
fi
set d_suidsafesafe
eval $setvar

```

\$rm -f reflect flect

```

: now see if they want to do setuid emulation
echo " "
val="$undef"
case "$d_suidsafesafe" in
"$define")
val="$undef"
echo "No need to emulate SUID scripts since they are secure here." >& 4
;;
*)
$cat <<EOM

```

Some systems have disabled setuid scripts, especially systems where setuid scripts cannot be secure. On systems where setuid scripts have been disabled, the setuid/setgid bits on scripts are currently useless. It is possible for \$package to detect those bits and emulate setuid/setgid in a secure fashion. This emulation will only work if setuid scripts have been disabled in your kernel.

```

EOM
case "$d_dosuid" in
"$define") dflt=y ;;
*) dflt=n ;;
esac
rp="Do you want to do setuid/setgid emulation?"
./myread
case "$ans" in
[yY]*) val="$define";;
*) val="$undef";;

```

```
esac
;;
esac
set d_dosuid
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_dosuid.U
```

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?RCS: of the source tree for dist 4.0.

?RCS:

?MAKE:i\_poll: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_poll:

?S: This variable conditionally defines the I\_POLL symbol, which

?S: indicates to the C program that it should include <poll.h>.

?S:.

?C:I\_POLL:

?C: This symbol, if defined, indicates that the program may include

?C: <poll.h>. If there is no <poll.h>, then you may check I\_SYS\_POLL

?C: instead to see whether there is a <sys/poll.h> to include.

?C:.

?H:#\$i\_poll I\_POLL /\*\*/

?H:.

?LINT:set i\_poll

: see if there is a poll.h file

set poll.h i\_poll

eval \$inhdr

Found

in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_poll.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: fpostype.U,v 3.0.1.2 1994/08/29 16:20:52 ram Exp \$

?RCS:

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```

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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: fpostype.U,v $
?RCS: Revision 3.0.1.2 1994/08/29 16:20:52 ram
?RCS: patch32: now uses new Typedef unit to compute type information
?RCS:
?RCS: Revision 3.0.1.1 1994/06/20 06:59:59 ram
?RCS: patch30: created
?RCS:
?MAKE:fpostype: Myread Typedef
?MAKE: -pick add $@ %<
?S:fpostype:
?S: This variable defines Fpos_t to be something like fpos_t, long,
?S: uint, or whatever type is used to declare file positions in libc.
?S:.
?C:Fpos_t:
?C: This symbol holds
the type used to declare file positions in libc.
?C: It can be fpos_t, long, uint, etc... It may be necessary to include
?C: <sys/types.h> to get any typedef'ed information.
?C:.
?H:#define Fpos_t $fpostype /* File position type */
?H:.
?LINT:set fpostype
: see what type file positions are declared as in the library
rp="What is the type for file position used by fsetpos()?"
set fpos_t fpostype long stdio.h sys/types.h
eval $typedef_ask

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/typedefs/fpostype.U

```

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```

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_modfl_d_modflproto: Inlibc Compile Hasproto cat \
test ccflags uselongdouble \

```

```

d_sqrtl d_aintl d_copysignl d_ilogbl d_scalbnl d_frexp d_ldexpl \
d_truncl
?MAKE: -pick add $@ %<
?S:d_modfl:
?S: This variable conditionally defines the HAS_MODFL symbol, which
?S: indicates to the C program that the modfl() routine is available.
?S:.
?S:d_modflproto:
?S: This symbol, if defined, indicates that the system provides
?S: a prototype for the modfl() function. Otherwise, it is up
?S: to the program to supply one. C99 says it should be
?S: long double modfl(long double, long double *);
?S:.
?C:HAS_MODFL:
?C: This symbol, if defined, indicates that the modfl routine is
?C: available to split a long double
?C: x into a fractional part f and
?C: an integer part i such that |f| < 1.0 and (f + i) = x.
?C:.
?C:HAS_MODFL_PROTO:
?C: This symbol, if defined, indicates that the system provides
?C: a prototype for the modfl() function. Otherwise, it is up
?C: to the program to supply one.
?C:.
?H:#$d_modfl HAS_MODFL /**/
?H:#$d_modflproto HAS_MODFL_PROTO /**/
?H:.
?T:message
?LINT:set d_modfl
?LINT:set d_modflproto
?LINT:change ccflags
: see if modfl exists
set modfl d_modfl
eval $inlibc

: see if prototype for modfl is available
echo " "
set d_modflproto modfl define math.h
eval $hasproto

if $test "$uselongdouble" = "$define"; then
    message=""
    if $test "$d_sqrtl" != "$define"; then
        message="$message sqrtl"
    fi
    if $test "$d_modfl" != "$define"; then
        if $test "$d_truncl:$d_copysignl" = "$define:$define"; then
            echo "You have both truncl and copysignl, so I can emulate modfl."
        fi
    fi
fi

```

```

else
  if $test "$d_aintl:$d_copysignl" = "$define:$define"; then
    echo "You have both aintl
and copysignl, so I can emulate modfl."
    else
      message="$message modfl"
    fi
  fi
  fi
  if $test "$d_frexp" != "$define"; then
if $test "$d_ilogbl:$d_scalbnl" = "$define:$define"; then
  echo "You have both ilogbl and scalbnl, so I can emulate frexp."
else
  message="$message frexp"
fi
fi
  if $test "$d_ldexpl" != "$define"; then
message="$message ldexpl"
fi

  if $test "$message" != ""; then
Scat <<EOM >&4

```

```

*** You requested the use of long doubles but you do not seem to have
*** the following mathematical functions needed for long double support:
*** $message
*** Please rerun Configure without -Duselongdouble and/or -Dusemorebits.
*** Cannot continue, aborting.

```

EOM

```

exit 1
fi
fi

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/d_modfl.U

```

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_memmem: Hasproto Inlibc Setvar d\_gnulibc

?MAKE: -pick add \$@ %<

?S:d\_memmem:

?S: This variable conditionally defines the HAS\_MEMMEM symbol, which

?S: indicates to the C program that the memmem() routine is available

?S: to return a pointer to the start of the first occurrence of a

?S: substring in a memory area (or NULL if not found).

?S:.

?C:HAS\_MEMMEM:

?C: This symbol, if defined, indicates that the memmem routine is

?C: available to return a pointer to the start of the first occurrence

?C: of a substring in a memory area (or NULL if not found).

?C: In glibc, memmem is a GNU extension. The function is visible in

?C: libc, but the prototype is only visible if \_GNU\_SOURCE is #defined.

?C: Thus we only define this if both the prototype and symbol are found.

?C:.

?H:#\$d\_memmem

```
HAS_MEMMEM /**/
```

?H:.

?T:d\_memmem\_proto xx1 xx2 xx3 xx4

?LINT:set d\_memmem

: see if memmem exists

: We need both a prototype in string.h and the symbol in libc.

```
echo " "
```

```
d_memmem_proto="
```

```
xx1="#$d_gnulibc HAS_GNULIBC"
```

```
xx2='#if defined(HAS_GNULIBC) && !defined(_GNU_SOURCE)'
```

```
xx3='# define _GNU_SOURCE'
```

```
xx4='#endif'
```

```
set d_memmem_proto memmem literal "$xx1" literal "$xx2" literal "$xx3" literal "$xx4" define string.h
```

```
eval $hasproto
```

```
case "$d_memmem_proto" in
```

```
  define) # see if memmem exists
```

```
  set memmem d_memmem
```

```
  eval $inlibc
```

```
;;
```

```
  *) val=$undef
```

```
  set d_memmem
```

```
  eval $setvar
```

```
;;
```

```
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_memmem.U
```

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?RCS:

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?RCS:

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?RCS:  
 ?MAKE:d\_atolf: Inlibc  
 ?MAKE: -pick add \$@ %<  
 ?S:d\_atolf:  
 ?S: This variable conditionally defines the HAS\_ATOLF symbol, which  
 ?S: indicates to the C program that the atolf() routine is available.  
 ?S:.  
 ?C:HAS\_ATOLF:  
 ?C: This symbol, if defined, indicates that the atolf routine is  
 ?C: available to convert strings into long doubles.  
 ?C:.  
 ?H:#\$d\_atolf HAS\_ATOLF /\*\*/  
 ?H:.  
 ?LINT:set d\_atolf  
 : see if atolf exists  
 set atolf d\_atolf  
 eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/atolf.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Hasproto.U \$  
 ?RCS:  
 ?RCS: Copyright (c) 1998 Andy Dougherty  
 ?RCS:  
 ?RCS: You may distribute under the terms of either the GNU General Public  
 ?RCS: License or the Artistic License, as specified in the README file.  
 ?RCS:  
 ?X: This unit generates a \$hasproto string that is used internally  
 ?X: by Configure to check if this system has a prototype for a  
 ?X: particular function  
 ?X:  
 ?X: To use it, say something like:  
 ?X: set d\_getnetent\_proto getnetent \$i\_netdb netdb.h  
 ?X: eval \$hasproto  
 ?X: Or, for more complicated sets of headers, do something like  
 ?X: hdrs="\$define sys/types.h  
 ?X: \$i\_system sys/time.h  
 ?X: \$i\_sysselect sys/select.h  
 ?X: \$i\_netdb netdb.h"  
 ?X: set d\_getnetent\_proto getnetent \$hdrs  
 ?X: eval \$hasproto  
 ?X:  
 ?X: There is also an 'escape' hatch built in. If you have a pair  
 ?X: of args 'literal 'stuff' then 'stuff' gets included literally  
 ?X: into the test program. See Protochk.U for more details.

```

?X:
?MAKE:Hasproto:
  Setvar cppstdin cppflags cppminus contains rm_try test
?MAKE: -pick add $@ %<
?T:func varname
?F:!try.c
?V:hasproto
: Define hasproto macro for Configure internal use
hasproto='varname=$1; func=$2; shift; shift;
while $stest $# -ge 2; do
  case "$1" in
  $define) echo "#include <$2>";;
  literal) echo "$2" ;;
  esac ;
  shift 2;
done > try.c;
$cppstdin $cppflags $cppminus < try.c > tryout.c 2>/dev/null;
if $contains "$func.*(" tryout.c >/dev/null 2>&1; then
  echo "$func() prototype found.";
  val="$define";
else
  echo "$func() prototype NOT found.";
  val="$undef";
fi;
set $varname;
eval $setvar;
$rm_try tryout.c'

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/protos/Hasproto.U

```

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```

?RCS: $Id: Guess.U,v 3.0.1.5 1995/07/25 13:37:14 ram Exp $

```

```

?RCS:

```

```

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

```

```

?RCS:

```

```

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```

```

?RCS: as specified in the README file that comes with the distribution.

```

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```

?RCS: of the source tree for dist 3.0.

```

```

?RCS:

```

```

?RCS: $Log: Guess.U,v $

```

```

?RCS: Revision 3.0.1.5 1995/07/25 13:37:14 ram

```

```

?RCS: patch56: now knows about OS/2 platforms

```

```

?RCS:

```

```

?RCS: Revision 3.0.1.4 1994/10/29 15:53:55 ram

```



?RCS: patch36: added ?F: line for metalint file checking  
?RCS: patch36: call ./xenix explicitly instead of relying on PATH  
?RCS:  
?RCS: Revision 3.0.1.3 1993/12/15 08:14:35 ram  
?RCS: patch15: variable d\_bsd was not always set properly  
?RCS:  
?RCS: Revision 3.0.1.2 1993/08/30 08:57:14 ram  
?RCS:  
patch8: fixed comment which wrongly attributed the usrincl symbol  
?RCS: patch8: no more ugly messages when no /usr/include/ctype.h  
?RCS:  
?RCS: Revision 3.0.1.1 1993/08/27 14:37:37 ram  
?RCS: patch7: added support for OSF/1 machines  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:04:57 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This unit hazards some guesses as to what the general nature of the system  
?X: is. The information it collects here is used primarily to establish default  
?X: answers to other questions.  
?X:  
?MAKE:Guess d\_eunice d\_xenix d\_bsd: cat test echo n c contains \  
rm Loc eunicefix tr sysroot  
?MAKE: -pick add \$@ %<  
?S:d\_eunice:  
?S: This variable conditionally defines the symbols EUNICE and VAX, which  
?S: alerts the C program that it must deal with idiosyncrasies of VMS.  
?S:.  
?S:d\_xenix:  
?S: This variable conditionally defines the symbol XENIX, which alerts  
?S: the C program that it runs under Xenix.  
?S:.  
?S:d\_bsd:  
?S: This symbol conditionally defines the  
symbol BSD when running on a  
?S: BSD system.  
?S:.  
?C:EUNICE:  
?C: This symbol, if defined, indicates that the program is being compiled  
?C: under the EUNICE package under VMS. The program will need to handle  
?C: things like files that don't go away the first time you unlink them,  
?C: due to version numbering. It will also need to compensate for lack  
?C: of a respectable link() command.  
?C:.  
?X: Should we define VMS here? Is Eunice actually used anymore?  
?X:?C:VMS:  
?X:?C: This symbol, if defined, indicates that the program is running under

```

?X:?C: VMS. It is currently only set in conjunction with the EUNICE symbol.
?X:?C:.
?C:XENIX:
?C: This symbol, if defined, indicates that the program is running under
?C: Xenix (at least 3.0 ?).
?C:.
?X: We don't use BSD in the perl source. It's too vague, and already
?X: defined in some header files anyway (e.g. NetBSD). This just gives
?X: us a spurious redefinition error upon compilation.
?X: --Andy Dougherty Feb 11, 1998
?X: ?C:BSD:
?X:
?C: This symbol, if defined, indicates that the program is running under
?X: ?C: a BSD system.
?X: ?C:.
?H:#$d_eunice EUNICE /**/
?X:?H:#$d_eunice VMS /**/
?H:#$d_xenix XENIX /**/
?X: ?H:#$d_bsd BSD /**/
?H:.
?F:./bsd ./usg ./v7 ./osf1 ./eunice ./xenix ./venix ./os2
?T:xxx
: make some quick guesses about what we are up against
echo " "
$echo $n "Hmm... $c"
echo exit 1 >bsd
echo exit 1 >usg
echo exit 1 >v7
echo exit 1 >osf1
echo exit 1 >eunice
echo exit 1 >xenix
echo exit 1 >venix
echo exit 1 >os2
d_bsd="$undef"
?X:
?X: Do not use 'usrinc', or we get a circular dependency. because
?X: usrinc is defined in usrinc.U, which relies on us...
?X:
$cat $sysroot/usr/include/signal.h $sysroot/usr/include/sys/signal.h >foo 2>/dev/null
if test -f /osf_boot || $contains 'OSF/1' $sysroot/usr/include/ctype.h >/dev/null 2>&1
then
echo "Looks kind of like an OSF/1 system, but we'll see..."
echo exit 0 >osf1
elif test `echo abc | $tr a-z A-Z` = Abc ; then
xxx=`./loc addbib blurfl $pth`
if $test
-f $xxx; then
echo "Looks kind of like a USG system with BSD features, but we'll see..."

```

```

echo exit 0 >bsd
echo exit 0 >usg
else
if $contains SIGTSTP foo >/dev/null 2>&1 ; then
    echo "Looks kind of like an extended USG system, but we'll see..."
else
    echo "Looks kind of like a USG system, but we'll see..."
fi
echo exit 0 >usg
fi
elif $contains SIGTSTP foo >/dev/null 2>&1 ; then
echo "Looks kind of like a BSD system, but we'll see..."
d_bsd="$define"
echo exit 0 >bsd
else
echo "Looks kind of like a Version 7 system, but we'll see..."
echo exit 0 >v7
fi
case "$eunicefix" in
*unixtovms*)
    $cat <<'EOI'
    There is, however, a strange, musty smell in the air that reminds me of
    something...hmm...yes...I've got it...there's a VMS nearby, or I'm a Blit.
    EOI
    echo exit 0 >eunice
    d_eunice="$define"
    : it so happens the Eunice I know will not run shell scripts in Unix format
    ;;
*)
    echo " "
    echo "Congratulations. You aren't running Eunice."
    d_eunice="$undef"
    ;;
esac
: Detect
OS2. The p_ variable is set above in the Head.U unit.
: Note that this also -- wrongly -- detects e.g. dos-djgpp, which also uses
: semicolon as a patch separator
case "$p_" in
:) ;;
*)
    $cat <<'EOI'
    I have the feeling something is not exactly right, however...don't tell me...
    lemme think...does HAL ring a bell?...no, of course, you're only running OS/2!
    (Or you may be running DOS with DJGPP.)
    EOI
    echo exit 0 >os2
    ;;

```

```

esac
if test -f /xenix; then
    echo "Actually, this looks more like a XENIX system..."
    echo exit 0 >xenix
    d_xenix="$define"
else
    echo " "
    echo "It's not Xenix..."
    d_xenix="$undef"
fi
chmod +x xenix
$eunicefix xenix
if test -f /venix; then
    echo "Actually, this looks more like a VENIX system..."
    echo exit 0 >venix
else
    echo " "
    if ./xenix; then
        : null
    else
        echo "Nor is it Venix..."
    fi
fi
chmod +x bsd usg v7 osf1 eunice xenix venix os2
$eunicefix bsd usg v7 osf1 eunice xenix venix os2
$rm -f foo

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Guess.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: lib.U,v 3.0.1.3 1995/09/25 09:16:47 ram Exp $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
```

```
?RCS:
```

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```

```
?RCS: as specified in the README file that comes with the distribution.
```

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```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?RCS: $Log: lib.U,v $
```

```
?RCS: Revision 3.0.1.3 1995/09/25 09:16:47 ram
```

```
?RCS: patch59: unit is now forced to the top of Configure, if possible
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.2 1995/01/30 14:38:08 ram
```

```
?RCS: patch49: can now handle installation prefix changes (from WED)
```

```

?RCS:
?RCS: Revision 3.0.1.1 1994/08/29 16:27:40 ram
?RCS: patch32: now uses installation prefix to set the default
?RCS:
?RCS: Revision 3.0 1993/08/18 12:08:56 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?LINT:
empty
?X:?MAKE:lib libexp: Getfile Loc Oldconfig Prefixit Prefixup prefixexp
?X:?MAKE: -pick add $@ %<
?X:?Y:TOP
?X:?S:lib:
?X:?S: This variable holds the name of the directory in which the user wants
?X:?S: to put public library files for the package in question. It is most
?X:?S: often a local directory such as /usr/local/lib. Programs using this
?X:?S: variable must be prepared to deal with filename expansion.
?X:?S:.
?X:?S:libexp:
?X:?S: This variable is the same as the lib variable, but is filename expanded
?X:?S: at configuration time, for convenient use in your makefiles.
?X:?S:.
?X:: determine where public libraries go
?X:set lib lib
?X:eval $prefixit
?X:case "$lib" in
?X:")
?X: dflt=`./loc . ." $prefixexp/lib /usr/local/lib /usr/lib /lib`
?X: set dflt
?X: eval $prefixup
?X: ;;
?X:*) dflt="$lib";;
?X:esac
?X:echo " "
?X:fn=d~
?X:rp='Where do you want to put the public libraries?'
?X: ./getfile
?X:lib="$ans"
?X:libexp="$ansexp"

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/nullified/lib.U
```

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```
?RCS: $Id: d_mbtowc.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```

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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_mbtowc.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:30 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_mbtowc: Inlibc
?MAKE: -pick add $@ %<
?S:d_mbtowc:
?S: This variable conditionally defines the HAS_MBTOWC symbol, which
?S: indicates to the C program that the mbtowc() routine is available
?S: to convert multibyte to a wide character.
?S:.
?C:HAS_MBTOWC (MBTOWC):
?C: This symbol, if defined, indicates that the mbtowc routine is available
?C: to
convert a multibyte to a wide character.
?C:.
?H:#$d_mbtowc HAS_MBTOWC /**/
?H:.
?LINT:set d_mbtowc
: see if mbtowc exists
set mbtowc d_mbtowc
eval $inlibc

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_mbtowc.U
```

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```

?RCS: $Id: d_setpent.U,v 3.0 1993/08/18 12:06:09 ram Exp $
?RCS:
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?RCS:
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: d_setpent.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:09 ram
?RCS: Baseline for dist 3.0 netwide release.

```

?RCS:  
?MAKE:d\_setpent: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_setpent:  
?S: This variable conditionally defines HAS\_SETPROTOENT if setprotoent() is  
?S: available.  
?S:.  
?C:HAS\_SETPROTOENT:  
?C: This symbol, if defined, indicates that the setprotoent() routine is  
?C: available.  
?C:.  
?H:#\$d\_setpent HAS\_SETPROTOENT /\*\*/  
?H:.  
?LINT:set d\_setpent  
: see if setprotoent  
exists  
set setprotoent d\_setpent  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_setpent.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_fd\_set.U,v 3.0.1.3 1997/02/28 15:33:16 ram Exp \$  
?RCS:  
?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
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?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: d\_fd\_set.U,v \$  
?RCS: Revision 3.0.1.3 1997/02/28 15:33:16 ram  
?RCS: patch61: added ?F: metalint hint  
?RCS:  
?RCS: Revision 3.0.1.2 1994/06/20 06:57:23 ram  
?RCS: patch30: extended scope for fd\_set checks (ADO)  
?RCS:  
?RCS: Revision 3.0.1.1 1994/01/24 14:06:27 ram  
?RCS: patch16: comments for HAS\_FD\_\* symbols were not consistent  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:06:02 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_fd\_set d\_fd\_macros

```

d_fds_bits: Compile cat rm_try Oldconfig \
d_socket i_systime i_sysselect i_stdlib run
?MAKE: -pick add $@ %<
?S:d_fd_set:
?S: This variable contains the eventual value of the HAS_FD_SET symbol,
?S: which indicates if your C compiler knows about the fd_set typedef.
?S:.
?S:d_fd_macros:
?S: This variable contains the eventual value of the HAS_FD_MACROS symbol,
?S: which indicates if your C compiler knows about the macros which
?S: manipulate an fd_set.
?S:.
?S:d_fds_bits:
?S: This variable contains the eventual value of the HAS_FDS_BITS symbol,
?S: which indicates if your fd_set typedef contains the fds_bits member.
?S: If you have an fd_set typedef, but the dweebs who installed it did
?S: a half-fast job and neglected to provide the macros to manipulate
?S: an fd_set, HAS_FDS_BITS will let us know how to fix the gaffe.
?S:.
?C:HAS_FD_SET:
?C: This symbol, when defined, indicates presence of the fd_set typedef
?C: in <sys/types.h>
?C:.
?C:HAS_FD_MACROS:
?C: This symbol, when defined,
    indicates presence of the macros used to
?C: manipulate an fd_set.
?C:.
?C:HAS_FDS_BITS:
?C: This symbol, when defined, indicates presence of the fds_bits member in
?C: fd_set. This knowledge is useful if fd_set is available but the macros
?C: aren't.
?C:.
?H:#$d_fd_set HAS_FD_SET /**/
?H:#$d_fd_macros HAS_FD_MACROS /**/
?H:#$d_fds_bits HAS_FDS_BITS /**/
?H:.
?F:!try
: check for fd_set items
$cat <<EOM

```

Checking to see how well your C compiler handles fd\_set and friends ...

EOM

?X: The FD\_SET macros can be in strange places. On some SysV-based

?X: systems, they are in <sys/bsdtypes.h>, which is included (perhaps)

?X: by <sys/socket.h>. We won't force people to include

?X: <sys/bsdtypes.h> because it might introduce other

?X: incompatibilities.



```

$cat >try.c <<EOCP
#$i_stdlib I_STDLIB
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#$i_systime I_SYS_TIME
#$i_sysselect I_SYS_SELECT
#$d_socket HAS_SOCKET
#include <sys/types.h>
#ifdef HAS_SOCKET
#include <sys/socket.h> /* Might include <sys/bsdtypes.h>
*/
#endif
#ifdef I_SYS_TIME
#include <sys/time.h>
#endif
#ifdef I_SYS_SELECT
#include <sys/select.h>
#endif
int main() {
    fd_set fds;

#ifdef TRYBITS
    if(fds.fds_bits);
#endif

    if defined(FD_SET) && defined(FD_CLR) && defined(FD_ISSET) && defined(FD_ZERO)
        exit(0);
    #else
        exit(1);
    #endif
}
EOCP
set try -DTRYBITS
if eval $compile; then
    d_fds_bits="$define"
    d_fd_set="$define"
    echo "Well, your system knows about the normal fd_set typedef..." >&4
    if $run ./try; then
        echo "and you have the normal fd_set macros (just as I'd expect)." >&4
        d_fd_macros="$define"
    else
        $cat >&4 <<'EOM'
but not the normal fd_set macros! Gaaack! I'll have to cover for you.
EOM
    d_fd_macros="$undef"
fi
else

```

```
$cat <<'EOM'
```

Hmm, your compiler has some difficulty with fd\_set. Checking further...

```
EOM
```

```
set try
```

```
if eval $compile; then
```

```
  d_fds_bits="$undef"
```

```
  d_fd_set="$define"
```

```
  echo "Well, your system has some sort of fd_set available..." >&4
```

```
  if $run ./try; then
```

```
    echo "and you have the normal
```

```
fd_set macros." >&4
```

```
    d_fd_macros="$define"
```

```
  else
```

```
    $cat <<'EOM'
```

but not the normal fd\_set macros! Gross! More work for me...

```
EOM
```

```
  d_fd_macros="$undef"
```

```
  fi
```

```
else
```

```
echo "Well, you got zip. That's OK, I can roll my own fd_set stuff." >&4
```

```
  d_fd_set="$undef"
```

```
  d_fds_bits="$undef"
```

```
  d_fd_macros="$undef"
```

```
fi
```

```
fi
```

```
$rm_try
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_fd_set.U
```

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_siginfo\_si\_errno d\_siginfo\_si\_pid d\_siginfo\_si\_uid d\_siginfo\_si\_addr d\_siginfo\_si\_status

d\_siginfo\_si\_band d\_siginfo\_si\_value d\_siginfo\_si\_fd: d\_sigaction pidtype uidtype Hasfield\_t

?MAKE: -pick add \$@ %<

?S:d\_siginfo\_si\_errno:

?S: This variable conditionally defines the HAS\_SIGINFO\_SI\_ERRNO symbol,

?S: which indicates that the siginfo\_t struct has the si\_errno member.

?S:.

?S:d\_siginfo\_si\_pid:

?S: This variable conditionally defines the HAS\_SIGINFO\_SI\_PID symbol,

?S: which indicates that the siginfo\_t struct has the si\_pid member.

?S:.

?S:d\_siginfo\_si\_uid:

?S: This variable conditionally defines the HAS\_SIGINFO\_SI\_UID symbol,

?S: which indicates that the siginfo\_t struct has the si\_uid member.

?S:.

?S:d\_siginfo\_si\_addr:

?S: This

variable conditionally defines the HAS\_SIGINFO\_SI\_ADDR symbol,

?S: which indicates that the siginfo\_t struct has the si\_addr member.

?S:.

?S:d\_siginfo\_si\_status:

?S: This variable conditionally defines the HAS\_SIGINFO\_SI\_STATUS symbol,

?S: which indicates that the siginfo\_t struct has the si\_status member.

?S:.

?S:d\_siginfo\_si\_band:

?S: This variable conditionally defines the HAS\_SIGINFO\_SI\_BAND symbol,

?S: which indicates that the siginfo\_t struct has the si\_band member.

?S:.

?S:d\_siginfo\_si\_value:

?S: This variable conditionally defines the HAS\_SIGINFO\_SI\_VALUE symbol,

?S: which indicates that the siginfo\_t struct has the si\_value member.

?S:.

?S:d\_siginfo\_si\_fd:

?S: This variable conditionally defines the HAS\_SIGINFO\_SI\_FD symbol,

?S: which indicates that the siginfo\_t struct has the si\_fd member.

?S:.

?C:HAS\_SIGINFO\_SI\_ERRNO:

?C: This symbol, if defined, indicates that siginfo\_t has the

?C: si\_errno member

?C:.

?C:HAS\_SIGINFO\_SI\_PID:

?C: This

symbol, if defined, indicates that siginfo\_t has the

?C: si\_pid member

?C:.

?C:HAS\_SIGINFO\_SI\_UID:

?C: This symbol, if defined, indicates that siginfo\_t has the

?C: si\_uid member

?C:.

?C:HAS\_SIGINFO\_SI\_ADDR:

?C: This symbol, if defined, indicates that siginfo\_t has the

?C: si\_addr member

?C:.

?C:HAS\_SIGINFO\_SI\_STATUS:

?C: This symbol, if defined, indicates that siginfo\_t has the

?C: si\_status member

?C:.

?C:HAS\_SIGINFO\_SI\_BAND:

?C: This symbol, if defined, indicates that siginfo\_t has the

```

?C: si_band member
?C:.
?C:HAS_SIGINFO_SI_VALUE:
?C: This symbol, if defined, indicates that siginfo_t has the
?C: si_value member
?C:.
?C:HAS_SIGINFO_SI_FD:
?C: This symbol, if defined, indicates that siginfo_t has the
?C: si_fd member
?C:.
?H:#$d_siginfo_si_errno HAS_SIGINFO_SI_ERRNO /**/
?H:#$d_siginfo_si_pid HAS_SIGINFO_SI_PID /**/
?H:#$d_siginfo_si_uid HAS_SIGINFO_SI_UID /**/
?H:#$d_siginfo_si_addr HAS_SIGINFO_SI_ADDR /**/
?H:#$d_siginfo_si_status HAS_SIGINFO_SI_STATUS /**/
?H:#$d_siginfo_si_band HAS_SIGINFO_SI_BAND /**/
?H:#$d_siginfo_si_value HAS_SIGINFO_SI_VALUE /**/
?H:#$d_siginfo_si_fd HAS_SIGINFO_SI_FD /**/
?H:.
:
see what siginfo fields we have
case "$d_sigaction" in
"$define")
echo "Checking if your siginfo_t has si_errno field...">&4
set d_siginfo_si_errno siginfo_t int si_errno $d_sigaction signal.h
eval $hasfield_t;

echo "Checking if your siginfo_t has si_pid field...">&4
set d_siginfo_si_pid siginfo_t $pidtype si_pid $d_sigaction signal.h
eval $hasfield_t;

echo "Checking if your siginfo_t has si_uid field...">&4
set d_siginfo_si_uid siginfo_t $uidtype si_uid $d_sigaction signal.h
eval $hasfield_t;

echo "Checking if your siginfo_t has si_addr field...">&4
set d_siginfo_si_addr siginfo_t "void *" si_addr $d_sigaction signal.h
eval $hasfield_t;

echo "Checking if your siginfo_t has si_status field...">&4
set d_siginfo_si_status siginfo_t int si_status $d_sigaction signal.h
eval $hasfield_t;

echo "Checking if your siginfo_t has si_band field...">&4
set
d_siginfo_si_band siginfo_t long si_band $d_sigaction signal.h
eval $hasfield_t;

```

```
echo "Checking if your siginfo_t has si_value field...">&4
set d_siginfo_si_value siginfo_t "union sigval" si_value $d_sigaction signal.h
eval $hasfield_t;
```

```
echo "Checking if your siginfo_t has si_fd field...">&4
set d_siginfo_si_fd siginfo_t int si_fd $d_sigaction signal.h
eval $hasfield_t;
```

```
::
*)
d_siginfo_si_errno="$undef"
d_siginfo_si_pid="$undef"
d_siginfo_si_uid="$undef"
d_siginfo_si_addr="$undef"
d_siginfo_si_status="$undef"
d_siginfo_si_band="$undef"
d_siginfo_si_value="$undef"
d_siginfo_si_fd="$undef"
::
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_siginfo_si.U
```

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_tgamma: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_tgamma:

?S: This variable conditionally defines the HAS\_TGAMMA symbol, which

?S: indicates to the C program that the tgamma() routine is available

?S: for the gamma function. See also d\_lgamma.

?S:.

?C:HAS\_TGAMMA:

?C: This symbol, if defined, indicates that the tgamma routine is

?C: available to do the gamma function. See also HAS\_LGAMMA.

?C:.

?H:#\$d\_tgamma HAS\_TGAMMA /\*\*/

?H:.

?LINT:set d\_tgamma

: see if tgamma exists

set tgamma d\_tgamma

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_tgamma.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_strtoq: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_strtoq:

?S: This variable conditionally defines the HAS\_STRTOQ symbol, which

?S: indicates to the C program that the strtouq() routine is available.

?S:.

?C:HAS\_STRTOQ:

?C: This symbol, if defined, indicates that the strtouq routine is

?C: available to convert strings to long longs (quads).

?C:.

?H:#\$d\_strtoq HAS\_STRTOQ /\*\*/

?H:.

?LINT:set d\_strtoq

: see if strtouq exists

set strtouq d\_strtoq

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_strtoq.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: libs.U,v 3.0.1.6 1997/02/28 16:09:11 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: libs.U,v \$

?RCS: Revision 3.0.1.6 1997/02/28 16:09:11 ram

?RCS: patch61: replaced .a with \$\_a all over the place

?RCS:

?RCS: Revision 3.0.1.5 1995/07/25 14:12:05 ram

?RCS: patch56: now knows about OS/2 platforms  
?RCS:  
?RCS: Revision 3.0.1.4 1994/10/29 16:24:22 ram  
?RCS: patch36: removed old broken thislib/thatlib processing (ADO)  
?RCS:  
?RCS: Revision 3.0.1.3 1994/06/20 07:05:44 ram  
?RCS: patch30: code cleanup with if/elif by ADO and RAM  
?RCS: patch30:  
    undone patch23 for libswanted default setting  
?RCS:  
?RCS: Revision 3.0.1.2 1994/05/06 15:08:45 ram  
?RCS: patch23: now includes ordered default libswanted variable (ADO)  
?RCS: patch23: major cleanup for library lookups (ADO)  
?RCS:  
?RCS: Revision 3.0.1.1 1993/08/25 14:02:31 ram  
?RCS: patch6: added default for libs  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:03 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:libs ignore\_versioned\_solibs libsfound libsfiles libsdirs libspath: \  
    test cat Myread Oldconfig Loc libpth package xlibpth so \_a \  
    usesocks sed uselongdouble usequadmath  
?MAKE: -pick add \$@ %<  
?S:libs:  
?S: This variable holds the additional libraries we want to use.  
?S: It is up to the Makefile to deal with it. The list can be empty.  
?S:.  
?S:libsfound:  
?S: This variable holds the full pathnames of the libraries  
?S: we found and accepted.  
?S:.  
?S:libsfiles:  
?S: This variable holds the filenames aka basenames of the libraries  
?S: we found and accepted.  
?S:.  
?S:libsdirs:  
?S: This  
    variable holds the directory names aka dirnames of the libraries  
?S: we found and accepted, duplicates are removed.  
?S:.  
?S:libspath:  
?S: This variable holds the directory names probed for libraries.  
?S:.  
?S:ignore\_versioned\_solibs:  
?S: This variable should be non-empty if non-versioned shared  
?S: libraries (libfoo.so.x.y) are to be ignored (because they  
?S: cannot be linked against).

```

?S:.
?T:xxx yyy thislib thisdir libswanted libstyle
?D:libs="
?X:
?X: This order is chosen so that libraries -lndir, -ldir, -lucb, -lbsd,
?X: -lBSD, -lPW, and -lx only get used if there are unresolved
?X: routines at link time. Usually, these are backwards compatibility
?X: libraries, and may not be as reliable as the standard c library.
?X:
?X: The -lsocket -linet -lnsl order has been reported to be necessary
?X: for at least one SVR4 implementation.
?X: -lc must proceed -lucb or -lbsd for most Solaris applications.
?X: -lc_s proceeds -lc so we pick up the shared library version,
if
?X: it is available.
?X:
?X: The ordering of c, posix, and cposix is a guess and almost
?X: certainly wrong on about half of all systems.
?X:
?X: Set proper libswanted in your private Myinit.U if needed.
?X:
?X:: default ordered library list
?X:libswanted='net socket inet bind nsl nm sdbm gdbm ndbm dbm malloc dl'
?X:libswanted="$libswanted dld sun m c_s c posix cposix ndir dir ucb"
?X:libswanted="$libswanted bsd BSD PW x"
?X:
?INIT:: default library list
?INIT:libswanted="
?INIT:: some systems want to use only the non-versioned libso:s
?INIT:ignore_versioned_solibs="
?LINT:extern usecbacktrace
?LINT:extern libscheck
?LINT:extern p
?LINT:use uselongdouble
: Looking for optional libraries
echo " "
echo "Checking for optional libraries..." >&4
case "$libs" in
'|') dflt="";;
*) dflt="$libs";;
esac
case "$libswanted" in
") libswanted='c_s';;
esac
?X: libsocks has nasty naming scheme.
?X: This does not work if somebody wants SOCKS 4.
case "$usesocks" in
"$define") libswanted="$libswanted

```



```

socks5 socks5_sh" ;;
esac
case "$usecbacktrace" in
"$define") libswanted="$libswanted bfd" ;;
esac
case "$usequadmath" in
"$define") libswanted="$libswanted quadmath" ;;
esac
libsfound=""
libsfiles=""
libsdirs=""
libspath=""
for thisdir in $libpth $xlibpth; do
test -d $thisdir && libspath="$libspath $thisdir"
done
for thislib in $libswanted; do
for thisdir in $libspath; do
xxx=""
if test ! -f "$xxx" -a "X$ignore_versioned_solibs" = "X"; then
xxx=`ls $thisdir/lib$thislib.$so.[0-9] 2>/dev/null|sed -n '$p`
test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle=shared
xxx=`ls $thisdir/lib$thislib.[0-9].$so 2>/dev/null|sed -n '$p`
test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle=shared
fi
if test ! -f "$xxx"; then
xxx=$thisdir/lib$thislib.$so
test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle=shared
fi
if test ! -f "$xxx"; then
xxx=$thisdir/lib$thislib$_a
test -f "$xxx"
&& eval $libscheck
$test -f "$xxx" && libstyle=static
fi
if test ! -f "$xxx"; then
xxx=$thisdir/$thislib$_a
test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle=static
fi
if test ! -f "$xxx"; then
xxx=$thisdir/lib${thislib}_s$_a
test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle=static
$test -f "$xxx" && thislib=${thislib}_s
fi

```

```

    if test ! -f "$xxx"; then
xxx=$thisdir/Slib$thislib$_a
    $test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle=static
    fi
    if $test -f "$xxx"; then
case "$libstyle" in
shared) echo "Found -I$thislib (shared)."; ;
static) echo "Found -I$thislib."; ;
*) echo "Found -I$thislib ($libstyle)."; ;
esac
case " $dflt " in
*"-I$thislib "*) ;
*) dflt="$dflt -I$thislib"
    libsfound="$libsfound $xxx"
    yyy=`basename $xxx`
    libsfiles="$libsfiles $yyy"
    yyy=`echo $xxx|sed -e
"s%/$yyy\\\$%%"`
    case " $libsdirs " in
    * "$yyy "*) ;
    *) libsdirs="$libsdirs $yyy" ;
    esac
    ;;
esac
break
fi
done
if $test ! -f "$xxx"; then
    echo "No -I$thislib."
fi
done
set X $dflt
shift
dflt="$*"
case "$libs" in
") dflt="$dflt";;
*) dflt="$libs";;
esac
case "$dflt" in
'|') dflt='none';;
esac

$cat <<EOM

```

In order to compile \$package on your machine, a number of libraries are usually needed. Include any other special libraries here as well. Say "none" for none. The default list is almost always right.

EOM

```
echo " "  
rp="What libraries to use?"  
./myread  
case "$ans" in  
none) libs=' ';;  
*) libs="$ans";;  
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/libs.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_setgrps.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_setgrps.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:08 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_setgrps: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_setgrps:

?S: This variable conditionally defines the HAS\_SETGROUPS symbol, which

?S: indicates to the C program that the setgroups() routine is available

?S: to set the list of process groups.

?S:.

?C:HAS\_SETGROUPS:

?C: This symbol, if defined, indicates that the setgroups() routine is

?C: available

to set the list of process groups. If unavailable, multiple

?C: groups are probably not supported.

?C:.

?H:#\$d\_setgrps HAS\_SETGROUPS /\*\*/

?H:.

?LINT:set d\_setgrps

: see if setgroups exists

set setgroups d\_setgrps

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setgrps.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1996,1998 Andy Dougherty

?RCS: Copyright (c) 1996, Sven Verdoolaege

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?MAKE:d\_gnulibc gnulibc\_version: Myread Oldconfig Setvar rm\_try \  
cat Compile run

?MAKE: -pick add \$@ %<

?S:d\_gnulibc:

?S: Defined if we're dealing with the GNU C Library.

?S:.

?S:gnulibc\_version:

?S: This variable contains the version number of the GNU C library.

?S: It is usually something like '2.2.5'. It is a plain " if this

?S: is not the GNU C library, or if the version is unknown.

?S:.

?C:HAS\_GNULIBC ~ %<:

?C: This

symbol, if defined, indicates to the C program that

?C: the GNU C library is being used. A better check is to use

?C: the \_\_GLIBC\_\_ and \_\_GLIBC\_MINOR\_\_ symbols supplied with glibc.

?C:.

?H:%<:#\$d\_gnulibc HAS\_GNULIBC /\*\*/

?H:%<:#if defined(HAS\_GNULIBC) && !defined(\_GNU\_SOURCE)

?H:%<:#define \_GNU\_SOURCE

?H:%<:#endif

?H:.

?F:!glibc.ver !try.c !try

?LINT: set d\_gnulibc

?LINT: usefile try.c

?LINT: known \_GNU\_SOURCE

?X: gnulibc can be executed by calling \_\_libc\_main().

?X: Ulrich Drepper doesn't think any other libc does that,

?X: but we check if it says 'GNU C Library' to be sure.

?X:

?X: Alas, as of 3/1998 glibc 2.0.7 reportedly isn't going to  
 ?X: have \_\_libc\_main() anymore. :-(. Fortunately, all released  
 ?X: versions of glibc 2.x.x \_do\_ have CPP variables. For 2.0.6,  
 ?X: they are:  
 ?X: #define \_\_GLIBC\_\_ 2  
 ?X: #define \_\_GLIBC\_MINOR\_\_ 0.  
 ?X: (The '6' isn't available :-(.  
 ?X: glibc2.1 will also have  
 ?X: extern const char \* \_\_gnu\_get\_libc\_release(void);  
 ?X: extern const char \*  
 \_\_gnu\_get\_libc\_version(void);  
 ?X: functions. --thanks to Andreas Jaeger. --AD 6/1998.  
 ?X: Although the exact format isn't documented, \_\_gnu\_get\_libc\_version()  
 ?X: returns a simple string '2.1.3' in glibc 2.1.3.  
 ?X:  
 : determine whether we are using a GNU C library  
 echo " "  
 echo "Checking for GNU C Library..." >&4  
 cat >try.c <<'EOCP'  
 /\* Find out version of GNU C library. \_\_GLIBC\_\_ and \_\_GLIBC\_MINOR\_\_  
 alone are insufficient to distinguish different versions, such as  
 2.0.6 and 2.0.7. The function gnu\_get\_libc\_version() appeared in  
 libc version 2.1.0. A. Dougherty, June 3, 2002.  
 \*/  
 #include <stdio.h>  
 int main(void)  
 {  
 #ifdef \_\_GLIBC\_\_  
 # ifdef \_\_GLIBC\_MINOR\_\_  
 # if \_\_GLIBC\_\_ >= 2 && \_\_GLIBC\_MINOR\_\_ >= 1  
 # include <gnu/libc-version.h>  
 printf("%s\n", gnu\_get\_libc\_version());  
 # else  
 printf("%d.%d\n", \_\_GLIBC\_\_, \_\_GLIBC\_MINOR\_\_);  
 # endif  
 # else  
 printf("%d\n", \_\_GLIBC\_\_);  
 # endif  
 return 0;  
 #else  
 return 1;  
 #endif  
 }  
 EOCP  
 set  
 try  
 if eval \$compile\_ok && \$run ./try > glibc.ver; then  
 val="\$define"

```

gnulibc_version=`$cat glibc.ver`
echo "You are using the GNU C Library version $gnulibc_version"
else
val="$undef"
gnulibc_version="
echo "You are not using the GNU C Library"
fi
$rm_try glibc.ver
set d_gnulibc
eval $setvar

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_gnulibc.U
```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: i_dirent.U,v 3.0.1.4 1994/10/29 16:20:01 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
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?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: i_dirent.U,v $
?RCS: Revision 3.0.1.4 1994/10/29 16:20:01 ram
?RCS: patch36: failed scanning for 'd_namlen' with missing <dirent.h> (ADO)
?RCS:
?RCS: Revision 3.0.1.3 1994/06/20 07:01:25 ram
?RCS: patch30: added dirententrytype for hints, merely for NeXT (ADO)
?RCS: patch30: now checks for both struct dirent and direct (ADO)
?RCS:
?RCS: Revision 3.0.1.2 1994/05/13 15:22:37 ram
?RCS: patch27: new variable dirententrytype for proper type setting (ADO)
?RCS:
?RCS:
Revision 3.0.1.1 1994/01/24 14:11:15 ram
?RCS: patch16: added new Direntry_t pseudo-type for directory entries
?RCS:
?RCS: Revision 3.0 1993/08/18 12:08:17 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit looks whether there is a dirent system or not
?X:
?MAKE:i_dirent d_dirnamlen dirententrytype: test contains Setvar \

```

```

Myread Findhdr cppstdin cppflags cppminus rm_try
?MAKE: -pick add $@ %<
?S:i_dirent:
?S: This variable conditionally defines I_DIRENT, which indicates
?S: to the C program that it should include <dirent.h>.
?S:.
?S:d_dirnamlen:
?S: This variable conditionally defines DIRNAMLEN, which indicates
?S: to the C program that the length of directory entry names is
?S: provided by a d_namelen field.
?S:.
?S:direntrytype:
?S: This symbol is set to 'struct direct' or 'struct dirent' depending on
?S: whether dirent is available or not. You should use this pseudo type to
?S: portably declare your directory entries.
?S:.
?C:I_DIRENT:
?C: This symbol,
if defined, indicates to the C program that it should
?C: include <dirent.h>. Using this symbol also triggers the definition
?C: of the Direntry_t define which ends up being 'struct dirent' or
?C: 'struct direct' depending on the availability of <dirent.h>.
?C:.
?C:DIRNAMLEN:
?C: This symbol, if defined, indicates to the C program that the length
?C: of directory entry names is provided by a d_namlen field. Otherwise
?C: you need to do strlen() on the d_name field.
?C:.
?C:Direntry_t:
?C: This symbol is set to 'struct direct' or 'struct dirent' depending on
?C: whether dirent is available or not. You should use this pseudo type to
?C: portably declare your directory entries.
?C:.
?H:#$i_dirent I_DIRENT /**/
?H:#$d_dirnamlen DIRNAMLEN /**/
?H:%<:@if I_DIRENT && Direntry_t
?H:%<:#define Direntry_t $direntrytype
?H:%<:@end
?H:.
?T:xinc guess1 guess2
?LINT:set i_dirent d_dirnamlen
: see if this is a dirent system
echo " "
if xinc=`./findhdr dirent.h`; $test "$xinc"; then
val="$define"
echo
"<dirent.h> found." >&4
else

```

```

val="$undef"
if xinc=`./findhdr sys/dir.h`; $test "$xinc"; then
  echo "<sys/dir.h> found." >&4
  echo " "
else
  xinc=`./findhdr sys/ndir.h`
fi
echo "<dirent.h> NOT found." >&4
fi
set i_dirent
eval $setvar

```

?X: Use struct dirent or struct direct? If we're using dirent.h,  
 ?X: it's probably struct dirent, but apparently not always.  
 ?X: Assume \$xinc still contains the name of the header file we're using.  
 @if direntype || Dirent\_t  
 : Look for type of directory structure.  
 echo " "  
 \$cppstdin \$cppflags \$cppminus < "\$xinc" > try.c

```

case "$direntype" in
'| ')
  case "$i_dirent" in
$define) guess1='struct dirent' ;;
*) guess1='struct direct' ;;
esac
;;
*) guess1="$direntype"
;;
esac

```

```

case "$guess1" in
'struct dirent') guess2='struct direct' ;;
*) guess2='struct dirent' ;;
esac

```

```

if $contains "$guess1" try.c >/dev/null 2>&1; then
  direntype="$guess1"
  echo "Your directory entries are $direntype." >&4
elif $contains "$guess2"
  try.c >/dev/null 2>&1; then
  direntype="$guess2"
  echo "Your directory entries seem to be $direntype." >&4
else
  echo "I don't recognize your system's directory entries." >&4
  rp="What type is used for directory entries on this system?"
  dflt="$guess1"
  ./myread

```



```

direntrytype="$ans"
fi
$rm_try

@end
@if d_dirnamlen || DIRNAMLEN
: see if the directory entry stores field length
echo " "
$cpstdin $cppflags $cppminus < "$xinc" > try.c
if $contains 'd_namlen' try.c >/dev/null 2>&1; then
echo "Good, your directory entry keeps length information in d_namlen." >&4
val="$define"
else
echo "Your directory entry does not know about the d_namlen field." >&4
val="$undef"
fi
set d_dirnamlen
eval $setvar
$rm_try

@end

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/i_dirent.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: so.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: so.U,v \$

?RCS: Revision 3.0.1.2 1994/10/29 16:30:04 ram

?RCS: patch36: now tells user how he can suppress shared lib lookup (ADO)

?RCS: patch36: removed echo at the top, since it's now in the here-doc (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/06/20 07:07:02 ram

?RCS: patch30: created

?RCS:

?X:

?X: This unit computes the shared-object / shared-lib extension

?X:

```

?MAKE:so d_libname_unique: test libpth Loc Myread Oldconfig cat Setvar
?MAKE: -pick add $@ %<
?S:so:
?S: This
    variable holds the extension used to identify shared libraries
?S: (also known as shared objects) on the system. Usually set to 'so'.
?S:.
?S:d_libname_unique:
?S: This variable is defined if the target system insists on unique
?S: basenames for shared library files. This is currently true on Android,
?S: false everywhere else we know of.
?S: Defaults to 'undef'.
?S:.
?LINT:set d_libname_unique
?T: xxx
: compute shared library extension
case "$so" in
")
if xxx=`./loc libc.sl X $libpth`; $test -f "$xxx"; then
    dflt='sl'
else
    dflt='so'
fi
;;
*) dflt="$so";;
esac
$cat <<EOM

```

On some systems, shared libraries may be available. Answer 'none' if you want to suppress searching of shared libraries for the remainder of this configuration.

```

EOM
rp='What is the file extension used for shared libraries?'
. ./myread
so="$ans"

```

```

: Does target system insist that shared library basenames are unique
$cat << EOM

```

Some dynamic loaders assume that the \*basename\* of shared library filenames are globally unique. We'll default this to undef as we assume your system is not this weird. Set to defined if you're on one of them.

```

EOM

dflt='n'

```

rp='Make shared library basenames unique?'

```
./myread
case "$ans" in
y|Y) val="$define" ;;
*) val="$undef" ;;
esac
set d_libname_unique
eval $setvar
```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/so.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getprotby.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_getpbyname d\_getpbynumber: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getpbyname:

?S: This variable conditionally defines the HAS\_GETPROTOBYNAME

?S: symbol, which indicates to the C program that the

?S: getprotbyname() routine is available to look up protocols

?S: by their name.

?S:.

?S:d\_getpbynumber:

?S: This variable conditionally defines the HAS\_GETPROTOBYNUMBER

?S: symbol, which indicates to the C program that the

?S: getprotbynumber() routine is available to look up protocols

?S: by their number.

?S:.

?C:HAS\_GETPROTOBYNAME:

?C: This symbol, if defined, indicates that the getprotbyname()

?C: routine is available to look up protocols by their name.

?C:.

?C:HAS\_GETPROTOBYNUMBER:

?C: This

symbol, if defined, indicates that the getprotbynumber()

?C: routine is available to look up protocols by their number.

?C:.

?H:#\$d\_getpbyname HAS\_GETPROTOBYNAME /\*\*/

?H:#\$d\_getpbynumber HAS\_GETPROTOBYNUMBER /\*\*/

?H:.

?LINT:set d\_getpbyname d\_getpbynumber

: Optional checks for getprotobyname and getprotobynumber

```
@if d_getpbyname || HAS_GETPROTOBYNAME
: see if getprotobyname exists
set getprotobyname d_getpbyname
eval $inlibc
@end
```

```
@if d_getpbynumber || HAS_GETPROTOBYNUMBER
: see if getprotobynumber exists
set getprotobynumber d_getpbynumber
eval $inlibc
@end
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_getprotby.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000, Jarkko Hietaniemi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

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?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_lseekproto: Hasproto i\_systypes i\_unistd

?MAKE: -pick add \$@ %<

?S:d\_lseekproto:

?S: This variable conditionally defines the HAS\_LSEEK\_PROTO symbol,

?S: which indicates to the C program that the system provides

?S: a prototype for the lseek() function. Otherwise, it is

?S: up to the program to supply one.

?S:.

?C:HAS\_LSEEK\_PROTO:

?C: This symbol, if defined, indicates that the system provides

?C: a prototype for the lseek() function. Otherwise, it is up

?C: to the program to supply one. A good guess is

?C: extern

off\_t lseek(int, off\_t, int);

?C:.

?H:#\$d\_lseekproto HAS\_LSEEK\_PROTO /\*\*/

?H:.

?LINT:set d\_lseekproto

: see if prototype for lseek is available

```
echo " "
set d_lseekproto lseek $i_systypes sys/types.h $i_unistd unistd.h
eval $hasproto
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/d_lseekproto.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: prefix.U,v 3.1 1999/07/08 18:27:51 doughera Exp doughera $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

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?RCS: You may reuse parts of this distribution only within the terms of
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```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
```

```
?RCS:
```

```
?RCS: $Log: prefix.U,v $
```

```
?RCS: Revision 3.1 1999/07/08 18:27:51 doughera
```

```
?RCS: 5.005_5x version -- Andy Dougherty
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.2 1995/01/30 14:44:05 ram
```

```
?RCS: patch49: new prefixexp variable holding a fully expanded prefix
```

```
?RCS: patch49: save off previous prefix value in oldprefix if changed (WED)
```

```
?RCS: patch49: added the INSTALLPREFIX define for C programs to use (WED)
```

```
?RCS:
```

```
?RCS:
```

```
Revision 3.0.1.1 1994/08/29 16:31:34 ram
```

```
?RCS: patch32: created by ADO
```

```
?RCS:
```

```
?MAKE:prefix prefixexp +oldprefix: Getfile Loc Oldconfig cat package
```

```
?MAKE: -pick add $@ %<
```

```
?S:prefix:
```

```
?S: This variable holds the name of the directory below which the
```

```
?S: user will install the package. Usually, this is /usr/local, and
```

```
?S: executables go in /usr/local/bin, library stuff in /usr/local/lib,
```

```
?S: man pages in /usr/local/man, etc. It is only used to set defaults
```

```
?S: for things in bin.U, mansrc.U, privlib.U, or scriptdir.U.
```

```
?S:.
```

```
?S:prefixexp:
```

```
?S: This variable holds the full absolute path of the directory below
```

```
?S: which the user will install the package. Derived from prefix.
```

```
?S:.
```

```
?S:oldprefix:
```

?S: This variable is set non-null if the prefix was previously defined

?S: and gets set to a new value. Used internally by Configure only.

?S:.

?C:INSTALLPREFIX:

?C: This symbol contains the name of the install prefix for this package.

?C:.

```
?H:#define INSTALLPREFIX "$prefix" /**/
```

?H:.

:

determine root of directory hierarchy where package will be installed.

```
case "$prefix" in
```

```
")
```

```
dfilt=`./loc . /usr/local /usr/local /local /opt /usr`
```

```
::
```

```
*?/)
```

```
dfilt=`echo "$prefix" | sed 's/./`
```

```
::
```

```
*)
```

```
dfilt="$prefix"
```

```
::
```

```
esac
```

```
$cat <<EOM
```

By default, \$package will be installed in \$dfilt/bin, manual pages

under \$dfilt/man, etc..., i.e. with \$dfilt as prefix for all

installation directories. Typically this is something like /usr/local.

If you wish to have binaries under /usr/bin but other parts of the

installation under /usr/local, that's ok: you will be prompted

separately for each of the installation directories, the prefix being

only used to set the defaults.

EOM

```
fn=d~
```

```
rp='Installation prefix to use?'
```

```
./getfile
```

```
oldprefix=""
```

```
case "$prefix" in
```

```
") ;;
```

```
*)
```

```
case "$ans" in
```

```
"$prefix") ;;
```

```
*) oldprefix="$prefix";;
```

```
esac
```

```
::
```

```
esac
```

```
prefix="$ans"
```

```
prefixexp="$ansexp"
```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/prefix.U

No license file was found, but licenses were detected in source scan.

?RCS: Copyright (c) 2017, Karl Williamson

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_wcrtomb: Inlibc

?MAKE:-pick add \$@ %<

?S:d\_wcrtomb:

?S: This variable conditionally defines the HAS\_WCRTOMB symbol if the

?S: wcrtomb() routine is available to be used to convert a wide character

?S: into a multi-byte character.

?S:.

?C:HAS\_WCRTOMB:

?C: This symbol, if defined, indicates that the wcrtomb routine is

?C: available to convert a wide character into a multi-byte character.

?C:.

?H:#\$d\_wcrtomb HAS\_WCRTOMB /\*\*/

?H:.

?LINT: set d\_wcrtomb

: see if wcrtomb exists

set wcrtomb d\_wcrtomb

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_wcrtomb.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: libpth.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: libpth.U,v \$

?RCS: Revision 3.0.1.6 1997/02/28 16:08:49 ram

?RCS: patch61: new loclibpth variable

?RCS:

?RCS: Revision 3.0.1.5 1995/01/11 15:31:30 ram

?RCS: patch45: call ./mips instead of just mips (WED)

?RCS:

?RCS: Revision 3.0.1.4 1994/08/29 16:29:15 ram

?RCS: patch32: added /lib/pa1.1 for HP-UX specially tuned PA-RISC libs (ADO)

?RCS: patch32: fixed information message, making it clearer (ADO)

?RCS:

?RCS: Revision 3.0.1.3 1994/06/20 07:03:54  
ram

?RCS: patch30: added /usr/shlib to glibpth for shared-only libraries

?RCS:

?RCS: Revision 3.0.1.2 1994/05/13 15:26:57 ram

?RCS: patch27: fixed a typo (libpth -> glibpth)

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 15:07:53 ram

?RCS: patch23: now asks for library directories to be searched (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:02 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit initializes the path for C library lookup.

?X:

?MAKE:libpth glibpth xlibpth plibpth loclibpth incpth: \  
usrinc incpath test cat Myread Oldconfig sysroot osname \  
ccname echo cppstdin awk grep sed rm usecrosscompile

?MAKE: -pick add \$@ %<

?S:libpth:

?S: This variable holds the general path (space-separated) used to find  
?S: libraries. It is intended to be used by other units.

?S:.

?S:glibpth:

?S: This variable holds the general path (space-separated) used to  
?S: find libraries. It may contain directories that do not exist on  
?S: this platform, libpth is the cleaned-up  
version.

?S:.

?S:xlibpth:

?S: This variable holds extra path (space-separated) used to find  
?S: libraries on this platform, for example CPU-specific libraries  
?S: (on multi-CPU platforms) may be listed here.

?S:.

?S:loclibpth:

?S: This variable holds the paths (space-separated) used to find local  
?S: libraries. It is prepended to libpth, and is intended to be easily  
?S: set from the command line.



?S:.

?S:plibpth:

?S: Holds the private path used by Configure to find out the libraries.

?S: Its value is prepended to libpth. This variable takes care of special machines, like the mips. Usually, it should be empty.

?S:.

?S:incpth:

?S: This variable must precede the normal include path to get the right one, as in "\$incpath/usr/include" or "\$incpath/usr/lib".

?S: Value can be "" or "/bsd43" on mips.

?S:.

?T: xxx dlist i j croak

?LINT:extern incpth

?LINT:change usrinc

?INIT:: change the next line if compiling for Xenix/286 on Xenix/386

?INIT:xlibpth="/usr/lib/386 /lib/386"

?INIT::

Possible local library directories to search.

?INIT:loclibpth="/usr/local/lib /opt/local/lib /usr/gnu/lib"

?INIT:loclibpth="\$loclibpth /opt/gnu/lib /usr/GNU/lib /opt/GNU/lib"

?INIT:

?INIT:: general looking path for locating libraries

?INIT:glibpth="/lib /usr/lib \$xlibpth"

?INIT:glibpth="\$glibpth /usr/ccs/lib /usr/ucblib /usr/local/lib"

?X: /shlib is for Digital Unix 4.0

?X: /usr/shlib is for OSF/1 systems.

?INIT:test -f /usr/shlib/libc.so && glibpth="/usr/shlib \$glibpth"

?INIT:test -f /shlib/libc.so && glibpth="/shlib \$glibpth"

?INIT:test -d /usr/lib64 && glibpth="\$glibpth /lib64 /usr/lib64 /usr/local/lib64"

?INIT:

?INIT:: Private path used by Configure to find libraries. Its value is prepended to libpth. This variable takes care of special machines, like the mips. Usually, it should be empty.

?INIT:plibpth=""

?INIT:

?X:cppfilter is later used in Findhdr.U, but we not want to expose it to config.h

?T:cppfilter

: Adjust cppfilter for path component separator

case

"\$osname" in

vos) cppfilter="tr '\\|>' '/' '|' ;; # path component separator is >

os2) cppfilter="sed -e 's|\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\|/g'|" ;; # path component separator is \

\*) cppfilter="" ;;

esac

: Use gcc to determine libpth and incpth

# If using gcc or clang, we can get better values for libpth, incpth

# and usrinc directly from the compiler.

```

# Note that ccname for clang is also gcc.
case "$ccname" in
    gcc)
$echo 'extern int foo;' > try.c
set X `Scppstdin -v try.c 2>&1 | $awk '/^#include </,/^End of search /|Scppfilter $grep '/include`
shift
if $test $# -gt 0; then
    incpth="$incpth $*"
    incpth="`$echo $incpth|$sed 's/^ //'`"
    for i in $*; do
j="`$echo $i|$sed 's,/include$,/lib,`"
if $test -d $j; then
    libpth="$libpth $j"
fi
done
libpth="`$echo $libpth|$sed 's/^ //'`"
for xxx in $libpth $loclibpth $plibpth $glibpth; do
if $test -d $xxx; then
    case " $libpth " in
        *" $xxx ") ;;
        *) libpth="$libpth $xxx";;
    esac
fi

done
fi
$rm -f try.c
case "$usrinc" in
") for i in $incpth; do
if $test -f $i/errno.h -a -f $i/stdio.h -a -f $i/time.h; then
    usrinc="$i"
    break
fi
done
;;
esac

case "$usecrosscompile" in
$define[true|[yY]*)
    case "$incpth" in
") echo "Incpth not defined." >&4; croak=y ;;
*) echo "Using incpth '$incpth'." >&4 ;;
    esac
    case "$libpth" in
") echo "Libpth not defined." >&4; croak=y ;;
*) echo "Using libpth '$libpth'." >&4 ;;
    esac
    case "$usrinc" in

```

```

") echo "Usrcinc not defined." >&4; croak=y ;;
*) echo "Using usrcinc $usrcinc." >&4 ;;
  esac
  case "$croak" in
y)
if test "X$sysroot" = X; then
  echo "Cannot continue, aborting." >&4; exit 1
else
  echo "Cross-compiling using sysroot $sysroot, failing to guess inc/lib paths is not fatal" >&4
fi
;;
  esac
;;
esac
;;
esac
;;
esac

: Default value for incpth is just usrcinc
case "$incpth" in
") incpth="$usrcinc";;
esac

: Set private lib path
case
"$plibpth" in
") if ./mips; then
?X: on mips, we DO NOT want /lib, and we want $incpath/usr/lib
plibpth="$incpath/usr/lib $sysroot/usr/local/lib $sysroot/usr/ccs/lib"
  fi;;
esac
case "$libpth" in
' ') dlist="";;
") dlist="$loclibpth $plibpth $glibpth";;
*) dlist="$libpth";;
esac

: Now check and see which directories actually exist, avoiding duplicates
for xxx in $dlist
do
  if $test -d $xxx; then
  case " $libpth " in
*" $xxx "*) ;;
*) libpth="$libpth $xxx";;
  esac
  fi
done
$cat <<'EOM'

```

Some systems have incompatible or broken versions of libraries. Among the directories listed in the question below, please remove any you know not to be holding relevant libraries, and add any that are needed. Say "none" for none.

EOM

```
if test "X$sysroot" != X; then
```

```
    $cat <<EOM
```

```
You have set sysroot to $sysroot, please supply the directories excluding sysroot
```

EOM

```
fi
```

```
case "$libpth" in
```

```
  ") dflt='none';;
```

```
  *)
```

```
  ?X: strip leading space
```

```
    set X $libpth
```

```
    shift
```

```
    dflt=${1+"$@"}
```

```
    ;;
```

```
esac
```

```
rp="Directories
```

```
to use for library searches?"
```

```
./myread
```

```
case "$ans" in
```

```
  none) libpth=' ';;
```

```
  *) libpth="$ans";;
```

```
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/libpth.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_tminsys.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_tminsys.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:07:47 ram
```

```

?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_tminsys: contains Setvar Findhdr
?MAKE: -pick add $@ %<
?S:d_tminsys:
?S: This variable conditionally defines TM_IN_SYS if this system
?S: declares "struct tm" in <sys/time.h> rather than <time.h>.
?S:.
?C:TM_IN_SYS (TMINSYS):
?C: This symbol is defined if this system declares "struct tm" in
?C: in <sys/time.h> rather than <time.h>.
    We can't just say
?C: -I/usr/include/sys because some systems have both time files, and
?C: the -I trick gets the wrong one.
?C:.
?H:#$d_tminsys TM_IN_SYS /**/
?H:.
?LINT:set d_tminsys
: see if struct tm is defined in sys/time.h
echo " "
if $contains 'struct tm' `./findhdr time.h` >/dev/null 2>&1 ; then
    echo "You have struct tm defined in <time.h> rather than <sys/time.h>." >&4
    val="$undef"
else
    echo "You have struct tm defined in <sys/time.h> rather than <time.h>." >&4
    val="$define"
fi
set d_tminsys
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_tminsys.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: i_utime.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_utime.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:47 ram
?RCS: Baseline for dist 3.0 netwide release.

```

```

?RCS:
?MAKE:i_utime: Inhdr
?MAKE: -pick add $@ %<
?S:i_utime:
?S: This variable conditionally defines the I_UTIME symbol, and indicates
?S: whether a C program should include <utime.h>.
?S:.
?C:I_UTIME:
?C: This symbol, if defined, indicates to the C program that it should
?C: include <utime.h>.
?C:.
?H:#$i_utime I_UTIME /**/
?H:.
?LINT:set i_utime
:
  see if this is an utime system
  set utime.h i_utime
  eval $inhdr

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_utime.U

```

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

```

?MAKE:d_asinh: Inlibc

```

```

?MAKE: -pick add $@ %<

```

```

?S:d_asinh:

```

?S: This variable conditionally defines the HAS\_ASINH symbol, which

?S: indicates to the C program that the asinh() routine is available.

?S:.

```

?C:HAS_ASINH:

```

?C: This symbol, if defined, indicates that the asinh routine is

?C: available to do the inverse hyperbolic sine function.

?C:.

```

?H:#$d_asinh HAS_ASINH /**/

```

?H:.

```

?LINT:set d_asinh

```

```

: see if asinh exists

```

```

  set asinh d_asinh

```

```

  eval $inlibc

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_asinh.U

```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_mkstemp.U,v 3.0.1.1 1994/08/29 16:11:57 ram Exp $
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_mkstemp.U,v $
?RCS:
?MAKE:d_mkstemp: Inlibc
?MAKE:-pick add $@ %<
?S:d_mkstemp:
?S: This variable conditionally defines the HAS_MKSTEMP symbol, which
?S: indicates to the C program that the mkstemp() routine is available
?S: to exclusively create and open a uniquely named temporary file.
?S:.
?C:HAS_MKSTEMP :
?C: This symbol, if defined, indicates that the mkstemp routine is
?C: available to exclusively create and open a uniquely named
?C: temporary file.
?C:.
?H:#$d_mkstemp HAS_MKSTEMP /**/
?H:.
?LINT:set d_mkstemp
: see if mkstemp exists
set mkstemp d_mkstemp
eval
$inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_mkstemp.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_rint: Inlibc
?MAKE:-pick add $@ %<
?S:d_rint:
?S: This variable conditionally defines the HAS_RINT symbol, which
?S: indicates to the C program that the rint() routine is available.
?S:.
?C:HAS_RINT:
```

```
?C: This symbol, if defined, indicates that the rint routine is
?C: available to return the nearest integral value to x as double
?C: using the current rounding mode.
?C:.
?H:#$d_rint HAS_RINT /**/
?H:.
?LINT:set d_rint
: see if rint exists
set rint d_rint
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_rint.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_poll.U,v $
?RCS:
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_poll: Inhdr Hasfield
?MAKE: -pick add $@ %<
?S:i_poll:
?S: This variable conditionally defines the I_POLL symbol, and indicates
?S: whether a C program should include <poll.h>.
?S:.
?C:I_POLL:
?C: This symbol, if defined, indicates that <poll.h> exists and
?C: should be included. (see also HAS_POLL)
?C:.
?H:#$i_poll I_POLL /**/
?H:.
?LINT:set i_poll
: see if this is a poll.h system
set poll.h i_poll
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_poll.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_bcopy.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```



```

?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_bcopy.U,v $
?RCS: Revision 3.0.1.2 1993/10/16 13:48:04 ram
?RCS: patch12: added magic support for bcopy()
?RCS:
?RCS: Revision 3.0.1.1 1993/09/13 16:01:11 ram
?RCS: patch10: now only defines HAS_BCOPY, no macro remap on memcpy (WAD)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:44 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_bcopy: Inlibc
?MAKE:-pick add $@ %<
?S:d_bcopy:
?S: This variable conditionally defines the HAS_BCOPY
symbol if
?S: the bcopy() routine is available to copy strings.
?S:.
?C:HAS_BCOPY:
?C: This symbol is defined if the bcopy() routine is available to
?C: copy blocks of memory.
?C:.
?H:#$d_bcopy HAS_BCOPY /**/
?H:.
?M:bcopy: HAS_BCOPY
?M:#ifndef HAS_BCOPY
?M:#ifndef bcopy
?M:#define bcopy(s,d,l) memcpy((d),(s),(l))
?M:#endif
?M:#endif
?M:.
?LINT:set d_bcopy
: see if bcopy exists
set bcopy d_bcopy
eval $inlibc

Found in path(s):
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_bcopy.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: d_symlink.U 1 2006-08-24 12:32:52Z rmanfredi $

```

?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_symlink.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:07:41 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_symlink: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_symlink:  
?S: This variable conditionally defines the HAS\_SYMLINK symbol, which  
?S: indicates to the C program that the symlink() routine is available  
?S: to create symbolic links.  
?S:.  
?C:HAS\_SYMLINK (SYMLINK):  
?C: This symbol, if defined, indicates that the symlink routine is available  
?C: to  
create symbolic links.  
?C:.  
?H:#\$d\_symlink HAS\_SYMLINK /\*\*/  
?H:.  
?LINT:set d\_symlink  
: see if symlink exists  
set symlink d\_symlink  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_symlink.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: mallocsrc.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 16:10:26 ram  
?RCS: patch61: added support for Free\_t, the type of free()  
?RCS: patch61: replaced .o with \$\_o all over the place  
?RCS:  
?RCS: Revision 3.0.1.1 1994/05/06 15:10:46 ram  
?RCS: patch23: added support for MYMALLOC, mainly for perl5 (ADO)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:12 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:mallosrc mallocobj usemymalloc malloctype d\_mymalloc \  
freetype: Myread \  
Oldconfig  
package Guess Setvar rm cat +cc +ccflags Findhdr \  
i\_malloc i\_stdlib sed libs \_o ptrsize  
?MAKE: -pick add \$@ %<  
?X: Put near top so that other tests don't erroneously include  
?X: -lmalloc. --AD 22 June 1998  
?Y:TOP  
?S:usemymalloc:  
?S: This variable contains y if the malloc that comes with this package  
?S: is desired over the system's version of malloc. People often include  
?S: special versions of malloc for efficiency, but such versions are often  
?S: less portable. See also mallosrc and mallocobj.  
?S: If this is 'y', then -lmalloc is removed from \$libs.  
?S:.  
?S:mallosrc:  
?S: This variable contains the name of the malloc.c that comes with  
?S: the package, if that malloc.c is preferred over the system malloc.  
?S: Otherwise the value is null. This variable is intended for generating  
?S: Makefiles.  
?S:.  
?S:d\_mymalloc:  
?S: This variable conditionally defines MYMALLOC in case other parts  
?S: of the source want to take special action if MYMALLOC is used.  
?S: This may include different sorts  
?S: of profiling or error detection.  
?S:.  
?S:mallocobj:  
?S: This variable contains the name of the malloc.o that this package  
?S: generates, if that malloc.o is preferred over the system malloc.  
?S: Otherwise the value is null. This variable is intended for generating  
?S: Makefiles. See mallosrc.  
?S:.  
?S:freetype:  
?S: This variable contains the return type of free(). It is usually  
?S: void, but occasionally int.  
?S:.

?S:mallotype:  
 ?S: This variable contains the kind of ptr returned by malloc and realloc.  
 ?S:.  
 ?C:Free\_t:  
 ?C: This variable contains the return type of free(). It is usually  
 ?C: void, but occasionally int.  
 ?C:.  
 ?C:Malloc\_t (MALLOC\_PTRTYPE):  
 ?C: This symbol is the type of pointer returned by malloc and realloc.  
 ?C:.  
 ?H:#define Malloc\_t \$mallotype /\*\*/  
 ?H:#define Free\_t \$freetype /\*\*/  
 ?H:.  
 ?C:MYMALLOC:  
 ?C: This symbol, if defined, indicates that we're using our own malloc.  
 ?C:.  
 ?H:#\$d\_mymalloc MYMALLOC /\*\*/  
 ?H:.  
 ?LINT:change libs  
 ?X: Cannot test for malloctx; it  
 is the unit's name and there is a bug in  
 ?X: the interpreter which defines all the names, even though they are not used.  
 @if malloctx  
 : determine which malloc to compile in  
 echo " "  
 case "\$usemymalloc" in  
 [yY]\*|true|\$define) dflt='y' ;;  
 [nN]\*|false|\$undef) dflt='n' ;;  
 \*)  
 case "\$ptrsize" in  
 4) dflt='y' ;;  
 \*) dflt='n' ;;  
 esac  
 ;;  
 esac  
 rp="Do you wish to attempt to use the malloc that comes with \$package?"  
 ./myread  
 usemymalloc="\$ans"  
 case "\$ans" in  
 y\*|true)  
 usemymalloc='y'  
 malloctx='malloc.c'  
 malloctx='malloc\$\_o'  
 d\_mymalloc="\$define"  
 ?X: Maybe libs.U should be dependent on malloctx.U, but then  
 ?X: most packages that use dist probably don't supply their own  
 ?X: malloc, so this is probably an o.k. compromise  
 case "\$libs" in

```

*-lmalloc*)
: Remove malloc from list of libraries to use
echo "Removing unneeded -lmalloc from library list" >&4
set `echo X $libs | $sed -e 's/-lmalloc / /' -e 's/-lmalloc$//'^
shift
libs="$*"
echo "libs = $libs" >&4
;;
esac
;;
*)
usemymalloc='n'
malloclsrc=""
malloclobj=""
d_mymalloc="$undef"
;;
esac

@end
@if
MALLOCPTRTYPE || Malloc_t || Free_t
: compute the return types of malloc and free
echo " "
$cat >malloc.c <<END
#$i_malloc I_MALLOC
#$i_stdlib I_STDLIB
#include <stdio.h>
#include <sys/types.h>
#ifdef I_MALLOC
#include <malloc.h>
#endif
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#ifdef TRY_MALLOC
void *malloc();
#endif
#ifdef TRY_FREE
void free();
#endif
END
@if MALLOCPTRTYPE || Malloc_t
case "$malloctype" in
")
if $cc $cflags -c -DTRY_MALLOC malloc.c >/dev/null 2>&1; then
malloctype='void *'
else
malloctype='char *'

```

```
fi
;;
esac
echo "Your system wants malloc to return '$malloctype', it would seem." >&4
@end
```

```
@if Free_t
case "$freetype" in
")
if $cc $ccflags -c -DTRY_FREE malloc.c >/dev/null 2>&1; then
freetype='void'
else
freetype='int'
fi
;;
esac
echo "Your system uses $freetype free(), it would seem." >&4
@end
$rm -f malloc.[co]
@end
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/mallocalc.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_setegid.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_setegid.U,v $
?RCS: Revision 3.0 1993/08/18 12:07:07 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_setegid: Inlibc
?MAKE: -pick add $@ %<
?S:d_setegid:
?S: This variable conditionally defines the HAS_SETEGID symbol, which
?S: indicates to the C program that the setegid() routine is available
?S: to change the effective gid of the current program.
?S:.
?C:HAS_SETEGID (SETEGID):
```

?C: This symbol, if defined, indicates that the setegid routine is available

?C: to change the effective gid of the current program.

?C:.

?H:#\$d\_setegid HAS\_SETEGID /\*\*/

?H:.

?LINT:set d\_setegid

: see if setegid exists

set setegid d\_setegid

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setegid.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_gnulibc.U,v 3.0.1.1 1997/02/28 15:34:33 ram Exp \$

?RCS:

?RCS: Copyright (c) 1996,1998 Andy Dougherty

?RCS: Copyright (c) 1996, Sven Verdoolaege

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: d\_gnulibc.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:34:33 ram

?RCS: patch61: created

?RCS:

?MAKE:d\_gnulibc gnulibc\_version: Myread Oldconfig Setvar rm\_try \

cat Compile run

?MAKE: -pick add \$@ %<

?S:d\_gnulibc:

?S: Defined if we're dealing with the GNU C Library.

?S:.

?S:gnulibc\_version:

?S: This variable contains the version number of the GNU C library.

?S: It is

usually something like '2.2.5'. It is a plain " if this

?S: is not the GNU C library, or if the version is unknown.

?S:.

?C:HAS\_GNULIBC:

?C: This symbol, if defined, indicates to the C program that

?C: the GNU C library is being used. A better check is to use

?C: the \_\_GLIBC\_\_ and \_\_GLIBC\_MINOR\_\_ symbols supplied with glibc.

```

?C:.
?H:#$d_gnulibc HAS_GNULIBC /**/
?H:?%<:#if defined(HAS_GNULIBC) && !defined(_GNU_SOURCE)
?H:?%<:# define _GNU_SOURCE
?H:?%<:#endif
?H:.
?F:!glibc.ver !try
?LINT: set d_gnulibc
?X: glibc can be executed by calling __libc_main().
?X: Ulrich Drepper doesn't think any other libc does that,
?X: but we check if it says 'GNU C Library' to be sure.
?X:
?X: Alas, as of 3/1998 glibc 2.0.7 reportedly isn't going to
?X: have __libc_main() anymore. :-(. Fortunately, all released
?X: versions of glibc 2.x.x _do_ have CPP variables. For 2.0.6,
?X: they are:
?X: #define __GLIBC__ 2
?X: #define __GLIBC_MINOR__ 0.
?X: (The '6' isn't available :-(.
?X: glibc2.1 will also
have
?X: extern const char * __gnu_get_libc_release(void);
?X: extern const char * __gnu_get_libc_version(void);
?X: functions. --thanks to Andreas Jaeger. --AD 6/1998.
?X: Although the exact format isn't documented, __gnu_get_libc_version()
?X: returns a simple string '2.1.3' in glibc 2.1.3.
?X:
: Check if we are using the GNU C library
echo " "
echo "Checking for GNU C Library..." >&4
cat >try.c <<'EOCP'
/* Find out version of GNU C library. __GLIBC__ and __GLIBC_MINOR__
alone are insufficient to distinguish different versions, such as
2.0.6 and 2.0.7. The function gnu_get_libc_version() appeared in
libc version 2.1.0. A. Dougherty, June 3, 2002.
*/
#include <stdio.h>
int main(void)
{
#ifdef __GLIBC__
# ifdef __GLIBC_MINOR__
# if __GLIBC__ >= 2 && __GLIBC_MINOR__ >= 1 && !defined(__cplusplus)
# include <gnu/libc-version.h>
printf("%s\n", gnu_get_libc_version());
# else
printf("%d.%d\n", __GLIBC__, __GLIBC_MINOR__);
#

```



```

endif
# else
printf("%d\n", __GLIBC__);
# endif
return 0;
#else
return 1;
#endif
}
EOCP
set try
if eval $compile_ok && $run ./try > glibc.ver; then
val="$define"
gnulibc_version=`$cat glibc.ver`
echo "You are using the GNU C Library version $gnulibc_version"
else
val="$undef"
gnulibc_version=""
echo "You are not using the GNU C Library"
fi
$rm_try glibc.ver
set d_gnulibc
eval $setvar

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_gnulibc.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_uwait.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_uwait.U,v $
?RCS: Revision 3.0.1.1 1994/01/24 14:10:49 ram
?RCS: patch16: added knowledge about wait3()
?RCS: patch16: revised 'union wait' look-up algorithm
?RCS: patch16: fixed make dependency line accordingly
?RCS:
?RCS: Revision 3.0 1993/08/18 12:07:54 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:

```

```

?MAKE:d_uwait d_uwait3: cat contains cppstdin cppminus +cppflags rm \
Setvar Findhdr
?MAKE: -pick add $@ %<
?S:d_uwait:
?S: This symbol
conditionally defines UNION_WAIT which indicates to the C
?S: program that argument for the wait() system call should be declared as
?S: 'union wait status' instead of 'int status'.
?S:.
?S:d_uwait3:
?S: This symbol conditionally defines UNION_WAIT3 which indicates to the C
?S: program that the first argument for the wait3() system call should be
?S: declared as 'union wait status' instead of 'int status'.
?S:.
?C:UNION_WAIT:
?C: This symbol if defined indicates to the C program that the argument
?C: for the wait() system call should be declared as 'union wait status'
?C: instead of 'int status'. You probably need to include <sys/wait.h>
?C: in the former case (see I_SYSWAIT).
?C:.
?C:UNION_WAIT3:
?C: This symbol if defined indicates to the C program that the first argument
?C: for the wait3() system call should be declared as 'union wait status'
?C: instead of 'int status'. You probably need to include <sys/wait.h>
?C: in the former case (see I_SYSWAIT). It seems safe to assume that
the
?C: same rule applies to the second parameter of wait4().
?C:.
?H:#$d_uwait UNION_WAIT /**/
?H:#$d_uwait3 UNION_WAIT3 /**/
?H:.
?T:val2 flags f also
?LINT:set d_uwait d_uwait3
: see if union wait is available
echo " "
?X:
?X: Unfortunately, we can't just grep <sys/wait.h> for "union wait" because
?X: some weird systems (did I hear HP-UX?) define union wait only when _BSD
?X: is defined. The same thing happens on OSF/1, who is pushing weirdness to
?X: its limits by requiring wait() to use (int *) but wait3() to use
?X: (union wait *), unless _BSD is defined and -lbsd is used, in which case
?X: wait() also expects (union wait *). Aaargh!--RAM
?X:
set X $cppflags
shift
flags="
also="
for f in $*; do

```

```

case "$f" in
*NO_PROTO*) ;;
*) flags="$flags $f";;
esac
done
$cat `./findhdr sys/wait.h` /dev/null | \
$cppstdin $flags $cppminus >wait.out 2>/dev/null
if $contains 'union.*wait.*{' wait.out >/dev/null 2>&1 ; then
echo "Looks like your <sys/wait.h> knows about 'union wait'..."
>&4
val="$define"
@if UNION_WAIT
also='also '
if $contains 'extern.*wait[ ]*([ ]*int' wait.out >/dev/null 2>&1
then
echo "But wait() seems to expect an 'int' pointer (POSIX way)." >&4
val="$undef"
also=""
elif $contains 'extern.*wait[ ]*([ ]*union' wait.out >/dev/null 2>&1
then
echo "And indeed wait() expects an 'union wait' pointer (BSD way)." >&4
else
echo "So we'll use that for wait()." >&4
fi
@end
@if UNION_WAIT3 || d_uwait3
val2="$define"
@end
@if UNION_WAIT3
if $contains 'extern.*wait3[ ]*([ ]*int' wait.out >/dev/null 2>&1
then
echo "However wait3() seems to expect an 'int' pointer, weird." >&4
val2="$undef"
elif $contains 'extern.*wait3[ ]*([ ]*union' wait.out >/dev/null 2>&1
then
echo "And wait3() ${also} expects an 'union wait' pointer, fine." >&4
else
echo "As expected, wait3() ${also} uses an 'union wait' pointer." >&4
fi
@end
else
echo "No trace of 'union wait' in <sys/wait.h>..." >&4
val="$undef"
@if UNION_WAIT && UNION_WAIT3
echo
"Both wait() and wait3() will use a plain 'int' pointer then." >&4
@elsif UNION_WAIT
echo "Your wait() should be happy with a plain 'int' pointer." >&4

```

```

@elsif UNION_WAIT3
echo "Your wait3() should be happy with a plain 'int' pointer." >&4
@end
fi
set d_uwait
eval $setvar
@if UNION_WAIT3 || d_uwait3
val="$val2"; set d_uwait3
eval $setvar
@end
$rm -f wait.out

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_uwait.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:uselongdouble: Myread Oldconfig Setvar cat test usemorebits
?MAKE: -pick add $@ %<
?Y:TOP
?S:uselongdouble:
?S: This variable conditionally defines the USE_LONG_DOUBLE symbol,
?S: and indicates that long doubles should be used when available.
?S:
?C:USE_LONG_DOUBLE:
?C: This symbol, if defined, indicates that long doubles should
?C: be used when available.
?C:
?H:?%<:#ifndef USE_LONG_DOUBLE
?H:?%<:#$uselongdouble USE_LONG_DOUBLE /**/
?H:?%<:#endif
?H:
?LINT:extern ccflags
?LINT:use usemorebits
?F:!uselongdouble.cbu
: Check for uselongdouble support
case "$ccflags" in
*-DUSE_LONG_DOUBLE*|*-DUSE_MORE_BITS*) uselongdouble="$define" ;;
esac

case "$uselongdouble" in

```

```

$define|true|[yY]*) dflt='y';
*)
dflt='n';
esac
cat <<EOM

```

Perl can be built to take advantage of long doubles which (if available) may give more accuracy and range for floating point numbers.

If this doesn't make any sense to you, just accept the default '\$dflt'.

```

EOM
rp="Try to use long doubles if available?"
./myread
case "$ans" in
y|Y) val="$define" ;;
*) val="$undef" ;;
esac
set uselongdouble
eval $setvar

case "$uselongdouble" in
true|[yY]*) uselongdouble="$define" ;;
esac

```

```

: Look for a hint-file generated 'call-back-unit'. If the
: user has specified that long doubles should be used,
: we may need to set or change some other defaults.
if $test -f uselongdouble.cbu; then
    echo "Your platform has some specific hints regarding long doubles, using them..."
    ./uselongdouble.cbu
else
    case "$uselongdouble" in
$define)
$cat <<EOM
(Your platform does not have any specific hints for long doubles.)
EOM
;;
esac
fi

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/uselongdbl.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: manfmt.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: manfmt.U,v \$  
?RCS: Revision 3.0.1.5 1997/02/28 16:11:57 ram  
?RCS: patch61: don't ask for AFS when they choose to not install pages  
?RCS:  
?RCS: Revision 3.0.1.4 1995/09/25 09:16:52 ram  
?RCS: patch59: unit is now forced to the top of Configure, if possible  
?RCS:  
?RCS: Revision 3.0.1.3 1995/01/30 14:39:20 ram  
?RCS: patch49: new installmanfmt and AFS-lookup for formatted man pages  
?RCS: patch49: can now handle installation prefix changes (from WED)  
?RCS:  
?RCS:  
Revision 3.0.1.2 1994/08/29 16:30:31 ram  
?RCS: patch32: now uses installation prefix for default setting  
?RCS:  
?RCS: Revision 3.0.1.1 1993/09/13 16:09:22 ram  
?RCS: patch10: allows for L1 man page extension (WAD)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:13 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:manfmt manfmtexp installmanfmt: Getfile Loc Oldconfig cat manext \  
package Prefixit prefixexp Prefixup afs test  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?S:manfmt:  
?S: This variable contains the name of the directory in which formatted  
?S: manual pages are to be put. It is the responsibility of the  
?S: Makefile.SH to get the value of this into the proper command. Note  
?S: that you may have to do ~name substitution. Use manfmtexp otherwise.  
?S:.  
?S:manfmtexp:  
?S: This is the same as the manfmt variable, but is filename expanded  
?S: at configuration time, for programs not willing to deal with it at  
?S: run-time.  
?S:.  
?S:installmanfmt:  
?S: This variable is really  
the same as manfmtexp, unless you are using  
?S: AFS in which case it points to the read/write location whereas  
?S: mansrcexp only points to the read-only access location. For extra

?S: portability, you should only use this variable within your makefiles.

?S:.

?LINT:change manext

?T:lookpath

: determine where manual pages go

set manfmt manfmt

eval \$prefixit

\$cat <<EOM

\$spackage has pre-formatted manual pages. If you don't want these installed, answer 'none' to the next question.

EOM

case "\$manfmt" in

)

lookpath="\$prefixexp/catman/man1 \$prefixexp/man/cat1"

lookpath="\$lookpath \$prefixexp/catman/u\_man/man1"

lookpath="\$lookpath \$prefixexp/catman/l\_man/man1"

lookpath="\$lookpath \$prefixexp/catman/cat1 /usr/catman/local/man1"

lookpath="\$lookpath /usr/catman/man1 /usr/man/cat1"

lookpath="\$lookpath /usr/catman/mann /usr/catman/l\_man/man1"

lookpath="\$lookpath /usr/catman/u\_man/man1 /usr/catman/man1"

dflt=`./loc . none \$lookpath`

set dflt

eval \$prefixup

::

\*) dflt="\$manfmt"

::

esac

fn=dn~

rp='Where

do pre-formatted manual pages go?'

./getfile

if test "X\$manfmtexp" != "X\$ansexp"; then

installmanfmt="

fi

manfmt="\$ans"

manfmtexp="\$ansexp"

if \$afs && \$test "\$manfmt"; then

\$cat <<EOM

Since you are running AFS, I need to distinguish the directory in which manual pages reside from the directory in which they are installed (and from which they are presumably copied to the former directory by occult means).

EOM

case "\$installmanfmt" in

) dflt=`echo \$manfmtexp | sed 's#^/afs/#/afs/.#`;;

```

*) dflt="$installmanfmt";
esac
fn=de~
rp='Where will pre-formatted man pages be installed?'
./getfile
installmanfmt="$ans"
else
installmanfmt="$manfmtexp"
fi

```

```

case "$manfmt" in
") manext='0';;
*l) manext=l;;
*n) manext=n;;
*o) manext=l;;
*p) manext=n;;
*C) manext=C;;
*L) manext=L;;
*L1) manext=L1;;
*) manext=1;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/manfmt.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Loc.U,v \$

?RCS: Revision 3.0.1.10 1997/02/28 15:04:16 ram

?RCS: patch61: allow users to specify paths on the command line

?RCS: patch61: will now substitute cp for ln if not supported

?RCS:

?RCS: Revision 3.0.1.9 1995/09/25 09:11:24 ram

?RCS: patch59: commented the purpose of the #un-def directive

?RCS: patch59: abort Configure run when mandatory command is missing

?RCS:

?RCS: Revision 3.0.1.8 1995/07/25 13:40:40 ram

?RCS: patch56: now knows about OS/2 platforms



?RCS:  
 ?RCS: Revision 3.0.1.7  
 1995/01/11 15:13:37 ram  
 ?RCS: patch45: protected "sh -c" within backquotes for Linux and SGI  
 ?RCS: patch45: added path lookup for the 'comm' program  
 ?RCS:  
 ?RCS: Revision 3.0.1.6 1994/10/29 15:56:14 ram  
 ?RCS: patch36: added ?F: line for metalint file checking  
 ?RCS: patch36: be careful and guard against wildcard searching (ADO)  
 ?RCS:  
 ?RCS: Revision 3.0.1.5 1994/06/20 06:54:55 ram  
 ?RCS: patch30: now locates find  
 ?RCS:  
 ?RCS: Revision 3.0.1.4 1994/05/13 15:18:15 ram  
 ?RCS: patch27: added yacc to the trylist (ADO)  
 ?RCS: patch27: lint lines reformatted (ADO)  
 ?RCS:  
 ?RCS: Revision 3.0.1.3 1994/01/24 14:01:44 ram  
 ?RCS: patch16: added metalint hint on changed PATH variable  
 ?RCS:  
 ?RCS: Revision 3.0.1.2 1993/12/15 08:16:52 ram  
 ?RCS: patch15: now set \_test variable when test is built-in  
 ?RCS: patch15: fixed rare cases where echo is not needed  
 ?RCS:  
 ?RCS: Revision 3.0.1.1 1993/09/13 15:47:13 ram  
 ?RCS: patch10: test program not always in /bin/test (WAD)  
 ?RCS:  
 ?RCS: Revision  
 3.0 1993/08/18 12:05:05 ram  
 ?RCS: Baseline for dist 3.0 netwide release.  
 ?RCS:  
 ?X:  
 ?X: This unit produces a shell script "loc" which can be used to find out  
 ?X: where in a list of directories something is. It then uses loc to  
 ?X: determine the location of commonly used programs. It leaves loc sitting  
 ?X: around for other Configure units to use, but arranges for its demise  
 ?X: at the end of Configure.  
 ?X:  
 ?X: To add a new program to find, add it both to the ?MAKE: line and to either  
 ?X: the loclist or trylist variable.  
 ?X:  
 ?X: I put startsh at the end of the dependency list, in order to avoid the  
 ?X: loading of the spitshell unit before the instructions.  
 ?X:  
 ?MAKE:Loc awk ar bash bison yacc cat chgrp chmod chown \  
 comm compress cp cpio cpp csh date echo egrep emacs expr find flex \  
 gmake gzip grep inews ksh less line lint ln lp lpr ls mail mailx \  
 make mkdir more mv nm nroff perl pg pmake pr rm rmail sed sendmail \

```

shar sleep smail sort submit tail tar tbl tee test touch tr troff
\
uname uniq uuname vi zcat zip: eunicefix n c startsh Instruct Warn
?MAKE: -pick weed $@ %<
?LINT:describe awk ar bash bison byacc cat chgrp chmod chown \
comm compress cp cpio cpp csh date echo egrep emacs expr find flex \
gmake gzip grep inews ksh less line lint ln lp lpr ls mail mailx \
make mkdir more mv nm nroff perl pg pmake pr rm rmail sed sendmail \
shar sleep smail sort submit tail tar tbl tee test touch tr troff \
uname uniq uuname vi zcat zip
?V::pth loclist trylist
?F:./loc
?T:thisthing thing xxx dir file say DJGPP
?T:_test _grep _cp _gmake _egrep _ln _make dflt
?LINT: change PATH
: find out where common programs are
echo " "
echo "Locating common programs..." >&4
cat <<EOESC >loc
$startsh
case \$# in
0) exit 1;;
esac
thing=\$1
shift
dflt=\$1
shift
for dir in \$*; do
case "\$thing" in
.)
if test -d \$dir/\$thing; then
echo \$dir
exit 0
fi
;;
*)
?X: Be careful in case thing includes wildcards that might expand to multiple
?X: files. Choose the last one.
This happens when searching for shared
?X: libraries with version numbers. How to choose which one we want is
?X: probably an insoluble problem, in general.
?X: Some folks leave things like libc.so.orig around w/o read
?X: permission. A -r test would handle that, but since ./loc is
?X: also used to find executables (which are installed w/o read
?X: permission on SCO ODT 3.0, we can't include the -r test.
for thisthing in \$dir/\$thing; do
: just loop through to pick last item
done

```

```

if test -f \${thing}; then
    echo \${thing}
    exit 0
elif test -f \${thing}_exe; then
    echo \${thing}
    exit 0
elif test -f \${dir}/${thing}.exe; then
    if test -n "$DJGPP"; then
        echo \${dir}/${thing}.exe
    else
        : on Eunice apparently
        echo \${dir}/${thing}
    fi
    exit 0
fi
;;
esac
done
echo \${df}
exit 1
EOSC
chmod +x loc
$unicefix loc
loclist="
?awk:awk
?cat:cat
?chgrp:chgrp
?chmod:chmod
?chown:chown
?comm:comm
?cp:cp
?echo:echo
?expr:expr
?find:find
?grep:grep
?ls:ls
?mkdir:mkdir
?mv:mv
?rm:rm
?sed:sed
?sleep:sleep
?sort:sort
?tail:tail
?touch:touch
?tr:tr
?uniq:uniq
"
trylist="

```

?Mcc:Mcc  
?ar:ar  
?bash:bash  
?bison:bison  
?byacc:byacc  
?compress:compress  
?cpio:cpio  
?cpp:cpp  
?csh:csh  
?date:date  
?egrep:egrep  
?emacs:emacs  
?flex:flex  
?gmake:gmake  
?gzip:gzip  
?inews:inews  
?ksh:ksh  
?less:less  
?line:line  
?lint:lint  
?ln:ln  
?lp:lp  
?lpr:lpr  
?mail:mail  
?mailx:mailx  
?make:make  
?more:more  
?nm:nm  
?nroff:nroff  
?perl:perl  
?pg:pg  
?pmake:pmake  
?pr:pr  
?rmail:rmail  
?sendmail:sendmail  
?shar:shar  
?smail:smail  
?submit:submit  
?tar:tar  
?tbl:tbl  
?tee:tee  
?test:test  
?troff:troff  
?uname:uname  
?uuname:uuname  
?vi:vi  
?zcat:zcat  
?zip:zip

```

"
?LINT:set
awk ar bash bison byacc cat chgrp chmod chown \
comm compress cp cpio cpp csh date echo emacs expr find flex \
gmake gzip grep inews ksh less line lint lp lpr ls mail mailx \
mkdir more mv nm nroff perl pg pmake pr rm rmail sed sendmail \
shar sleep smail sort submit tail tar tbl tee touch tr troff \
uname uniq uuname vi zcat zip
pth=`echo $PATH | sed
-e "s/$p_/g"`
pth="$pth /lib /usr/lib"
for file in $loclist; do
?X:
?X: Allow them to -Dmake=pmake on the command line for instance...
?X: If the file is not fully qualified, as in -Dmake=pmake, then we
?X: look the for the specified command (pmake here). If they say
?X: -Dmake=/sbin/make for instance, then we make sure the file
?X: exists, or we die...
?X:
eval xxx=\$$file
case "$xxx" in
/*|?:[\\]*)
if test -f "$xxx"; then
: ok
else
./warn "no $xxx -- ignoring your setting for $file."
xxx=`./loc $file $file $pth`
fi
;;
*) xxx=`./loc $file $file $pth`;
*) xxx=`./loc $xxx $xxx $pth`;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
echo $file is in $xxx.
;;
?X: Under OS/2, we have PC-like paths
?:[\\]*)
echo $file is in $xxx.
;;
*)
echo "I don't know where '$file' is, and my life depends on it." >&4
echo "Go find a public domain implementation or fix your PATH setting!" >&4
exit 1
;;
esac

```

```

done
echo " "
echo "Don't worry
if any of the following aren't found..."
say=offhand
for file in $trylist; do
?X: Allow them to -Dmake=pmake on the command line for instance (see above)
eval xxx=\$$file
case "$xxx" in
/*|?:[\\|/]*)
if test -f "$xxx"; then
: ok
else
./warn "no $xxx -- ignoring your setting for $file."
xxx=`./loc $file $file $pth`
fi
;;
*) xxx=`./loc $file $file $pth`;
*) xxx=`./loc $xxx $xxx $pth`;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
echo $file is in $xxx.
;;
?X: Under OS/2, we have PC-like paths
?:[\\|/]*)
echo $file is in $xxx.
;;
*)
echo "I don't see $file out there, $say."
say=either
;;
esac
done
case "$egrep" in
egrep)
echo "Substituting grep for egrep."
egrep=$grep
_egrep=$_grep
;;
esac
@if ln
case "$ln" in
ln)
echo "Substituting cp for ln."
ln=$cp

```

```

_in=$_cp
;;
esac
@end
@if make || gmake
case "$make" in
make)
case "$gmake" in
gmake)
echo "I can't find make or gmake, and my life depends on it." >&4
echo "Go find a
public domain implementation or fix your PATH setting!" >&4
exit 1
;;
esac
;;
esac
case "$gmake" in
gmake) ;;
*) # We can't have osname yet.
if test -f "/system/gnu_library/bin/ar.pm"; then # Stratus VOS
# Assume that gmake, if found, is definitely GNU make
# and prefer it over the system make.
echo "Substituting gmake for make."
make=$gmake
_make=$_gmake
fi
;;
esac
@end
case "$test" in
test)
echo "Hopefully test is built into your sh."
;;
*)
if `sh -c "PATH= test true" >/dev/null 2>&1`; then
echo "Using the test built into your sh."
?X:
?X: We need to set both test and _test, since Oldconfig.U will use the _test
?X: value to systematically restore computed paths, which may be wrong if
?X: we choose to load an old config.sh generated on another platform.
?X:
test=test
_test=test
fi
;;
esac
?LINT:change n c

```

```

case "$echo" in
echo)
echo "Hopefully echo is built into your sh."
;;
?X: For those rare cases where we don't need $echo...
") ;;
*)
echo " "
echo "Checking
compatibility between $echo and builtin echo (if any)..." >&4
$echo $n "hi there$c" >foo1
echo $n "hi there$c" >foo2
if cmp foo1 foo2 >/dev/null 2>&1; then
echo "They are compatible. In fact, they may be identical."
else
case "$n" in
'-n') n=" c='\c';;
*) n='-n' c="";;
esac
cat <<FOO

```

They are not compatible! You are probably running ksh on a non-USG system. I'll have to use \$echo instead of the builtin, since Bourne shell doesn't have echo built in and we may have to run some Bourne shell scripts. That means I'll have to use '\$n\$c' to suppress newlines now. Life is ridiculous.

```

FOO
$echo $n "The star should be here-->$c"
$echo "*"
fi
$rm -f foo1 foo2
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Loc.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:



?RCS: \$Log: myhostname.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 16:15:55 ram

?RCS: patch61: improved hostname lookup by using ypmatch when NIS is used

?RCS:

?RCS: Revision 3.0.1.2 1994/10/29 16:25:43 ram

?RCS: patch36: call ./xenix explicitly instead of relying on PATH

?RCS: patch36: now uses new Tr unit to convert to/from lowercase

?RCS:

?RCS: Revision 3.0.1.1 1994/06/20 07:06:20 ram

?RCS: patch30: now a little more clever for domain name guessing

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:18 ram

?RCS:

Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:myhostname phostname mydomain: contains sed test Myread Oldconfig \  
 Guess Loc awk echo sort uniq +usrinc rm hostcat Tr osname

?MAKE: -pick add \$@ %<

?S:myhostname (hostname):

?S: This variable contains the eventual value of the MYHOSTNAME symbol,  
 ?S: which is the name of the host the program is going to run on.  
 ?S: The domain is not kept with hostname, but must be gotten from mydomain.  
 ?S: The dot comes with mydomain, and need not be supplied by the program.  
 ?S:.

?S:mydomain:

?S: This variable contains the eventual value of the MYDOMAIN symbol,  
 ?S: which is the domain of the host the program is going to run on.  
 ?S: The domain must be appended to myhostname to form a complete host name.  
 ?S: The dot comes with mydomain, and need not be supplied by the program.  
 ?S:.

?S:phostname:

?S: This variable contains the eventual value of the PHOSTNAME symbol,  
 ?S: which is a command that can be fed to popen() to get the host name.  
 ?S: The program  
 should probably not presume that the domain is or isn't  
 ?S: there already.  
 ?S:.

?C:MYHOSTNAME (HOSTNAME):

?C: This symbol contains name of the host the program is going to run on.  
 ?C: The domain is not kept with hostname, but must be gotten from MYDOMAIN.  
 ?C: The dot comes with MYDOMAIN, and need not be supplied by the program.  
 ?C: If gethostname() or uname() exist, MYHOSTNAME may be ignored. If MYDOMAIN  
 ?C: is not used, MYHOSTNAME will hold the name derived from PHOSTNAME.  
 ?C:.

?C:MYDOMAIN:

?C: This symbol contains the domain of the host the program is going to  
 ?C: run on. The domain must be appended to HOSTNAME to form a complete  
 ?C: host name. The dot comes with MYDOMAIN, and need not be supplied by

?C: the program. If the host name is derived from PHOSTNAME, the domain

?C: may or may not already be there, and the program should check.

?C:.

```
?H:#define MYHOSTNAME "$myhostname" /**/
```

```
?H:#define MYDOMAIN "$mydomain" /**/
```

?H:.

```
?T:cont i tans tmp_re file
```

```
: now get the host name
```

```
echo
```

```
" "
```

```
echo "Figuring out host name..." >&4
```

```
case "$myhostname" in
```

```
) cont=true
```

```
echo 'Maybe "hostname" will work...'
```

```
if tans=`sh -c hostname 2>&1` ; then
```

```
myhostname=$tans
```

```
phostname=hostname
```

```
cont=""
```

```
fi
```

```
::
```

```
*) cont="";;
```

```
esac
```

```
if $test "$cont"; then
```

```
if ./xenix; then
```

```
echo 'Oh, dear. Maybe "/etc/systemid" is the key...'
```

```
if tans=`cat /etc/systemid 2>&1` ; then
```

```
myhostname=$tans
```

```
phostname='cat /etc/systemid'
```

```
echo "Whadyaknow. Xenix always was a bit strange..."
```

```
cont=""
```

```
fi
```

```
elif $test -r /etc/systemid; then
```

```
echo "(What is a non-Xenix system doing with /etc/systemid?)"
```

```
fi
```

```
fi
```

```
if $test "$cont"; then
```

```
echo 'No, maybe "uname -l" will work...'
```

```
if tans=`sh -c 'uname -l' 2>&1` ; then
```

```
myhostname=$tans
```

```
phostname='uname -l'
```

```
else
```

```
echo 'Strange. Maybe "uname -n" will work...'
```

```
if tans=`sh -c 'uname -n' 2>&1` ; then
```

```
myhostname=$tans
```

```
phostname='uname -n'
```

```
else
```

```
echo 'Oh well, maybe I can mine it out of whoami.h...'
```

```
if tans=`sh -c $contains' sysname $usrinc/whoami.h'
```

```

2>&1` ; then
  myhostname=`echo "$stans" | $sed 's/^\.*\(\.*\)^/1/^
  phostname="sed -n -e ""/sysname/s/^\.*\(\.*\)^/1/{"" -e p -e q -e '}' <$usrinc/whoami.h"
else
  case "$myhostname" in
  ") echo "Does this machine have an identity crisis or something?"
  phostname="";
  *)
  echo "Well, you said $myhostname before..."
  phostname='echo $myhostname';
  esac
  fi
  fi
  fi
  fi
case "$myhostname" in
") myhostname=noname ;;
esac
: you do not want to know about this
set $myhostname
myhostname=$1

: verify guess
if $test "$myhostname" ; then
  dflt=y
  rp='Your host name appears to be "$myhostname"." Right?'
  . /myread
  case "$ans" in
  y*) ;;
  *) myhostname="";
  esac
  fi

: bad guess or no guess
while $test "X$myhostname" = X ; do
  dflt=""
  rp="Please type the (one word) name of your host:"
  . /myread
  myhostname="$ans"
done

: translate upper to lower if necessary
case "$myhostname" in
*[A-Z]*)
  echo "(Normalizing case in your host name)"
  myhostname=`echo
$myhostname | ./tr '[A-Z]' '[a-z]`
;;

```

esac

?X: Do not ask for domain name if this is not used later on. In that

?X: case, the hostname may keep its domain name, but it doesn't matter.

@if MYDOMAIN || mydomain

case "\$myhostname" in

\*.\*)

dflt=`expr "X\$myhostname" : "X[^\.]\*\(\.\.\*\)``

myhostname=`expr "X\$myhostname" : "X([^\.]\*)\.``

echo "(Trimming domain name from host name--host name is now \$myhostname)"

;;

\*) case "\$mydomain" in

")

?X:

?X: There is currently no way to say we do not want hostcat if mydomain is not

?X: used. One way to achieve that would be to put that code in a mydomain.U

?X: unit. However, we want to stick the sanity checks right after the domain

?X: name computation, or if none is done, right after the hostname computation.

?X:

{

?X: If we use NIS, try ypmatch.

test "X\$hostcat" = "Xypcat hosts" &&

ypmatch "\$myhostname" hosts 2>/dev/null \

\$sed -e 's/[ ]\*#.\*//; s/\$/ /' > hosts && \

\$test -s hosts

} || {

?X: Extract only

the relevant hosts, reducing file size,

?X: remove comments, insert trailing space for later use.

\$hostcat | \$sed -n -e "s/[ ]\*#.\*//; s^\\$/ /

/[ ]\$myhostname[ ]/p" > hosts

}

tmp\_re="[ .]"

\$test x`\$awk "/[0-9].\*[ ]\$myhostname\$tmp\_re/ { sum++ }

END { print sum }" hosts` = x1 || tmp\_re="[ ]"

dflt=`\$awk \

"/[0-9].\*[ ]\$myhostname\$tmp\_re/ {for(i=2; i<=NF;i++) print "\\\$i}" \

hosts | \$sort | \$uniq | \

\$sed -n -e "s/\$myhostname\.\([-a-zA-Z0-9\_]\)\^1/p``

case ` \$echo X\$dflt` in

X\*\ \*) echo "(Several hosts in /etc/hosts matched hostname)"

dflt=.

;;

?X: There is no /etc/hosts on os390

X.)

if \$test -f /etc/hosts; then

echo "(You do not have fully-qualified names in /etc/hosts)"

else

```

    echo "(I cannot locate a hosts database anywhere)"
fi
;;
esac
case "$dflt" in
.)
    tans=`./loc resolv.conf X /etc /usr/etc`
    if $test -f "$tans"; then
        echo "(Attempting domain name extraction from $tans)"
?X: Look for either a search
or a domain directive.
        dflt=`$sed -n -e 's// /g' \
            -e 's/^search *([ ]*).*/1/p' $tans \
            | ./tr '[A-Z]' '[a-z]' 2>/dev/null`
        case "$dflt" in
        .) dflt=`$sed -n -e 's// /g' \
            -e 's/^domain *([ ]*).*/1/p' $tans \
            | ./tr '[A-Z]' '[a-z]' 2>/dev/null`
            ;;
        esac
    fi
;;
esac
case "$dflt" in
.) echo "(No help from resolv.conf either -- attempting clever guess)"
    dflt=`sh -c domainname 2>/dev/null`
    case "$dflt" in
    ") dflt='.';
        .nis.*|.yp.*|.main.*) dflt=`echo $dflt | $sed -e 's/^\.[^.]*/'`;
        esac
    ;;
esac
case "$dflt${osname}" in
.os390)
    file="//SYS1.TCPPARMS(TCPDATA)"
    echo "(Attempting domain name extraction from $file)"
    dflt=`awk '/^DOMAINORIGIN/ {print $2}' "$file" 2>/dev/null`
    ;;
esac
case "$dflt" in
.) echo "(Lost all hope -- silly guess then)"
    dflt='.nonet'
    ;;
esac
$rm -f hosts
;;
*) dflt="$mydomain";
esac;;

```

```

esac
echo " "
rp="What is your domain name?"
.
./myread
tans="$ans"
case "$ans" in
") ;;
.*) ;;
*) tans=".$tans";;
esac
mydomain="$tans"

: translate upper to lower if necessary
case "$mydomain" in
*[A-Z]*)
echo "(Normalizing case in your domain name)"
mydomain=`echo $mydomain | ./tr '[A-Z]' '[a-z]'`
;;
esac

@end
: a little sanity check here
case "$phostname" in
") ;;
*)
case `phostname | ./tr '[A-Z]' '[a-z]^` in
$myhostname$mydomain|$myhostname) ;;
*)
case "$phostname" in
sed*)
echo "(That doesn't agree with your whoami.h file, by the way.)"
;;
*)
echo "(That doesn't agree with your $phostname command, by the way.)"
;;
esac
;;
esac
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/myhostname.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_vprintf.U,v 3.0 1993/08/18 12:07:59 ram Exp $
```

```

?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
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?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: d_vprintf.U,v $
?RCS: Revision 3.0 1993/08/18 12:07:59 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_vprintf d_charvspr: Compile Guess cat Csym Setvar run rm_try \
i_stdlib i_unistd i_stdarg i_varargs
?MAKE: -pick add $@ %<
?S:d_vprintf:
?S: This variable conditionally defines the HAS_VPRINTF symbol, which
?S: indicates to the C program that the vprintf() routine is available
?S: to printf with a pointer to an argument list.
?S:.
?S:d_charvspr:
?S: This
variable conditionally defines CHARVSPRINTF if this system
?S: has vsprintf returning type (char*). The trend seems to be to
?S: declare it as "int vsprintf()".
?S:.
?C:HAS_VPRINTF (VPRINTF):
?C: This symbol, if defined, indicates that the vprintf routine is available
?C: to printf with a pointer to an argument list. If unavailable, you
?C: may need to write your own, probably in terms of _doprnt().
?C:.
?C:USE_CHAR_VSPRINTF (CHARVSPRINTF):
?C: This symbol is defined if this system has vsprintf() returning type
?C: (char*). The trend seems to be to declare it as "int vsprintf()". It
?C: is up to the package author to declare vsprintf correctly based on the
?C: symbol.
?C:.
?H:#$d_vprintf HAS_VPRINTF /**/
?H:#$d_charvspr USE_CHAR_VSPRINTF /**/
?H:.
?T:val2
?F:!try
?LINT:set d_vprintf d_charvspr
: see if vprintf exists
echo " "
if set vprintf val -f d_vprintf; eval $csym; $val; then
echo 'vprintf() found.' >&4

```

```

val="$define"
$cat >try.c <<EOF
#$i_stdarg I_STDARG /*
Only one of these can be defined by i_varhrd */
#$i_varargs I_VARARGS

#$i_stdlib I_STDLIB
#$i_unistd I_UNISTD

#ifdef I_STDARG
# include <stdarg.h>
#else /* I_VARARGS */
# include <varargs.h>
#endif

#ifdef I_UNISTD
# include <unistd.h>
#endif

#ifdef I_STDLIB
# include <stdlib.h>
#endif

#include <stdio.h> /* vsprintf prototype */

#ifdef I_STDARG
void xxx(int n, ...)
{
    va_list args;
    char buf[10];
    va_start(args, n);
    exit(((unsigned long)vsprintf(buf,"%s",args) > 10L);
}
int main() { xxx(1, "foo"); }

#else /* I_VARARGS */

xxx(va_alist)
va_dcl
{
    va_list args;
    char buf[10];
    va_start(args);
    exit(((unsigned long)vsprintf(buf,"%s",args) > 10L);
}
int main() { xxx("foo"); }

#endif

```



```

EOF
set try
if eval $compile_ok; then
if $run ./try; then
echo "Your vsprintf() returns (int)." >&4
val2="$undef"
else
echo "Your vsprintf() returns (char*)." >&4
val2="$define"
fi
else
echo 'I am unable to compile the vsprintf() test program.' >&4
#
We shouldn't get here. If we do, assume the standard signature,
# not the old BSD one.
echo 'Guessing that vsprintf() returns (int).' >&4
val2="$undef"
fi
else
echo 'vprintf() NOT found.' >&4
val="$undef"
val2="$undef"
fi
$rm_try
set d_vprintf
eval $setvar
val=$val2
set d_charvspr
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_vprintf.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_strftime.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:36 ram

?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_strftime: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_strftime:  
?S: This variable conditionally defines HAS\_STRFTIME if strftime() is  
?S: available to format locale-specific times.  
?S:.  
?C:HAS\_STRFTIME:  
?C: This symbol, if defined, indicates that the strftime routine is  
?C: available to format locale-specific times.  
?C:.  
?H:#\$d\_strftime HAS\_STRFTIME /\*\*/  
?H:.  
?LINT:set d\_strftime  
: see  
if strftime exists  
set strftime d\_strftime  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_strftime.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_euc2jis.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_euc2jis.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:05:58 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_euc2jis: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_euc2jis:  
?S: This variable conditionally defines the HAS\_EUC2JIS symbol, which  
?S: indicates to the C program that the euc2jis() routine is available  
?S: to convert EUC to JIS.  
?S:.  
?C:HAS\_EUC2JIS:  
?C: This symbol, if defined, indicates that the euc2jis routine is

```
?C: available to convert
EUC to JIS.
?C:.
?H:#$d_euc2jis HAS_EUC2JIS /**/
?H:.
?LINT:set d_euc2jis
: see if euc2jis exists
set euc2jis d_euc2jis
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_euc2jis.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_sigsetjmp.U,v 3.0.1.1 1997/02/28 15:44:33 ram Exp $
?RCS:
?RCS: Copyright (c) 1996,1998 Andy Dougherty
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
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?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: d_sigsetjmp.U,v $
?RCS: Revision 3.0.1.1 1997/02/28 15:44:33 ram
?RCS: patch61: created
?RCS:
?MAKE:d_sigsetjmp: Compile Setvar cat rm_try run i_stdlib
?MAKE: -pick add $@ %<
?S:d_sigsetjmp:
?S: This variable conditionally defines the HAS_SIGSETJMP symbol,
?S: which
?S: indicates that the sigsetjmp() routine is available to
?S: call setjmp() and optionally save the process's signal mask.
?S:.
?C:HAS_SIGSETJMP:
?C: This variable indicates to the C program that the sigsetjmp()
?C: routine is available to save the calling process's registers
?C: and stack environment for later use by siglongjmp(), and
?C: to optionally save the process's signal mask. See
?C: Sigjmp_buf, Sigsetjmp, and Siglongjmp.
?C:.
```

?C:Sigjmp\_buf:

?C: This is the buffer type to be used with Sigsetjmp and Siglongjmp.

?C:.

?C:Sigsetjmp:

?C: This macro is used in the same way as sigsetjmp(), but will invoke

?C: traditional setjmp() if sigsetjmp isn't available.

?C: See HAS\_SIGSETJMP.

?C:.

?C:Siglongjmp:

?C: This macro is used in the same way as siglongjmp(), but will invoke

?C: traditional longjmp() if siglongjmp isn't available.

?C: See HAS\_SIGSETJMP.

?C:.

```
?H:%<:#$d_sigsetjmp HAS_SIGSETJMP /**/
```

```
?H:%<:ifdef HAS_SIGSETJMP
```

```
?H:%<:#define Sigjmp_buf sigjmp_buf
```

```
?H:%<:#define Sigsetjmp(buf,save_mask)
```

```
sigsetjmp((buf),(save_mask))
```

```
?H:%<:#define Siglongjmp(buf,retval) siglongjmp((buf),(retval))
```

```
?H:%<:#else
```

```
?H:%<:#define Sigjmp_buf jmp_buf
```

```
?H:%<:#define Sigsetjmp(buf,save_mask) setjmp((buf))
```

```
?H:%<:#define Siglongjmp(buf,retval) longjmp((buf),(retval))
```

```
?H:%<:#endif
```

?H:.

```
?W:%<:Sigjmp_buf Sigsetjmp Siglongjmp
```

```
?F:!try
```

```
?LINT:set d_sigsetjmp
```

```
: see if sigsetjmp exists
```

```
?X: We can't check for these symbols with Inlibc because sigsetjmp
```

```
?X: is (sometimes? always?) a macro under GCC
```

```
echo " "
```

```
case "$d_sigsetjmp" in
```

```
")
```

```
$cat >try.c <<EOP
```

```
#include <setjmp.h>
```

```
#$i_stdlib I_STDLIB
```

```
#ifdef I_STDLIB
```

```
#include <stdlib.h>
```

```
#endif
```

```
sigjmp_buf env;
```

```
int set = 1;
```

```
int main()
```

```
{
```

```
if (sigsetjmp(env,1))
```

```
exit(set);
```

```
set = 0;
```

```
siglongjmp(env, 1);
```

```

exit(1);
}
EOP
set try
if eval $compile; then
if $run ./try >/dev/null 2>&1; then
echo "POSIX sigsetjmp found." >&4
val="$define"
else
$cat >&4 <<EOM

```

Uh-Oh! You have POSIX sigsetjmp and siglongjmp, but they do not work properly!!

I'll

ignore them.

EOM

```

val="$undef"
fi
else
echo "sigsetjmp not found." >&4
val="$undef"
fi
;;
*) val="$d_sigsetjmp"
case "$d_sigsetjmp" in
$define) echo "POSIX sigsetjmp found." >&4;;
$undef) echo "sigsetjmp not found." >&4;;
esac
;;
esac
set d_sigsetjmp
eval $setvar
$rm_try

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_sigsetjmp.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_strerror.U,v 3.0.1.3 1994/05/13 15:20:27 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: d\_strerror.U,v \$

?RCS: Revision 3.0.1.3 1994/05/13 15:20:27 ram

?RCS: patch27: now uses new macro support for cleaner Strerror def

?RCS:

?RCS: Revision 3.0.1.2 1994/05/06 14:58:26 ram

?RCS: patch23: renamed strerror into Strerror to protect name space (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/01/24 14:08:56 ram

?RCS: patch16: protected code looking for sys\_errnolist[] with @if

?RCS: patch16: added default value for d\_syserrlst

?RCS:

?RCS: Revision

3.0 1993/08/18 12:07:35 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_syserrlst d\_syserrlst: Csym Findhdr

?MAKE: -pick add \$@ %<

?S:d\_syserrlst:

?S: This variable conditionally defines HAS\_SYS\_ERRLIST if sys\_errlist[] is

?S: available to translate error numbers to strings.

?S:.

?S:d\_syserrlst:

?S: This variable conditionally defines HAS\_SYS\_ERRNOLIST if sys\_errnolist[]

?S: is available to translate error numbers to the symbolic name.

?S:.

?C:HAS\_SYS\_ERRLIST (SYSERRLIST):

?C: This symbol, if defined, indicates that the sys\_errlist array is

?C: available to translate error numbers to strings. The extern int

?C: sys\_nerr gives the size of that table.

?C:.

?C:HAS\_SYS\_ERRNOLIST (SYSERRNOLIST):

?C: This symbol, if defined, indicates that the sys\_errnolist array is

?C: available to translate an errno code into its symbolic name (e.g.

?C: ENOENT). The extern int sys\_nerrno gives the size of that table.

?C:.

?H:#\$d\_syserrlst HAS\_SYS\_ERRLIST /\*\*/

?H:#\$d\_syserrlst HAS\_SYS\_ERRNOLIST /\*\*/

?H:.

?D:d\_syserrlst="

?T:val

:

see if sys\_errlist[] exists

echo " "

if test "X\$d\_syserrlst" = X; then

if set sys\_errlist val -a d\_syserrlst; eval \$csym; \$val; then

echo "You have sys\_errlist[], so we could roll our own strerror."

d\_syserrlst="\$define"

else

echo "You don't have sys\_errlist[], so strerror() is welcome."

```

d_syserrlst="$undef"
fi
fi
@if d_syserrlst || HAS_SYS_ERRNOLIST
if set sys_errnolist val -a d_syserrlst; eval $scsym; $val; then
echo "(Symbolic error codes can be fetched via the sys_errnolist[] array.)"
d_syserrlst="$define"
else
echo "(However, I can't extract the symbolic error code out of errno.)"
d_syserrlst="$undef"
fi
@end

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_strerror.U
```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: AAAAA.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: AAAAA.U,v $
?RCS: Revision 3.0.1.4 1994/06/20 06:50:26 ram
?RCS: patch30: changes from Jarkko Hietaniemi are tagged with JHI
?RCS:
?RCS: Revision 3.0.1.3 1994/05/06 14:01:39 ram
?RCS: patch23: initials for Wayne Davison are now WED
?RCS: patch23: added initials for new unit contributor Andy Dougherty
?RCS:
?RCS: Revision 3.0.1.2 1994/01/24 14:01:09 ram
?RCS: patch16: make metalint shut up on special unit definition for All target
?RCS:
?RCS: Revision
3.0.1.1 1993/09/13 15:43:57 ram
?RCS: patch10: documents initials used for Wayne Davison's contributions
?RCS:
?RCS: Revision 3.0 1993/08/18 12:04:44 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: The purpose of this file is to supply the head of the Makefile created

```

?X: by metaconfig. For this reason it must be first in alphabetical order.  
?X: The leading '+' in front of the unit name is a hint for metalint, since  
?X: the use of that special unit name as a "made" unit is legitimate here.  
?X:  
?MAKE:+All: Finish  
?X:  
?X: Throughout the units, the following initials are used to identify comments:  
?X:  
?X: HMS: Harlan Stenn  
?X: RAM: Raphael Manfredi  
?X: WED: Wayne Davison (was WAD by mistake--RAM)  
?X: ADO: Andy Dougherty  
?X: JHI: Jarkko Hietaniemi  
?X:  
?X: Agreed, this is a weird place to document it, but I couldn't find a better  
?X: place to do so. I've bet on the curiosity of users, who would probably  
?X: want to know what's in this strangely-named file--RAM.

Found

in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/AAAAA.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_setruid.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_setruid.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:15 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_setruid: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_setruid:

?S: This variable conditionally defines the HAS\_SETRUID symbol, which

?S: indicates to the C program that the setruid() routine is available

?S: to change the real uid of the current program.

?S:.

?C:HAS\_SETRUID (SETRUID):

?C: This symbol, if defined, indicates that the setruid



routine is available  
?C: to change the real uid of the current program.  
?C:.  
?H:#\$d\_setruuid HAS\_SETRUID /\*\*/  
?H:.  
?LINT:set d\_setruuid  
: see if setruuid exists  
set setruuid d\_setruuid  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setruuid.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_shadow.U,v \$  
?RCS:  
?RCS: Copyright (c) 1998 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:i\_shadow: Inhdr Hasfield  
?MAKE: -pick add \$@ %<  
?S:i\_shadow:  
?S: This variable conditionally defines the I\_SHADOW symbol, and indicates  
?S: whether a C program should include <shadow.h>.  
?S:.  
?C:I\_SHADOW:  
?C: This symbol, if defined, indicates that <shadow.h> exists and  
?C: should be included.  
?C:.  
?H:#\$i\_shadow I\_SHADOW /\*\*/  
?H:.  
?LINT:set i\_shadow  
: see if this is a shadow.h system  
set shadow.h i\_shadow  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_shadow.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_msgrcv.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_msgrcv.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:40 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_msgrcv: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_msgrcv:

?S: This variable conditionally defines the HAS\_MSGRCV symbol, which

?S: indicates to the C program that the msgrcv() routine is available.

?S:.

?C:HAS\_MSGRCV:

?C: This symbol, if defined, indicates that the msgrcv() routine is

?C: available to extract a message from the message queue.

?C:.

?H:#\$d\_msgrcv

HAS\_MSGRCV /\*\*/

?H:.

?LINT:set d\_msgrcv

: see if msgrcv exists

set msgrcv d\_msgrcv

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_msgrcv.U

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_newlocale d\_freelocale d\_uselocale d\_duplocale d\_querylocale i\_xlocale: Inlibc Inhdr

?MAKE: -pick add \$@ %<

?S:d\_newlocale:

?S: This variable conditionally defines the HAS\_NEWLOCALE symbol, which

?S: indicates to the C program that the newlocale() routine is available

?S: to return a new locale object or modify an existing locale object.

?S:.

?S:d\_freelocale:

?S: This variable conditionally defines the HAS\_FREELOCALE symbol, which

?S: indicates to the C program that the freelocale() routine is available

?S: to deallocate the resources associated with a locale object.

?S:.

?S:d\_uselocale:

?S: This variable conditionally defines the HAS\_USELOCALE symbol, which

?S: indicates to the C program that the uselocale() routine is available

?S: to set the current locale  
for the calling thread.

?S:.

?S:d\_duplocale:

?S: This variable conditionally defines the HAS\_DUPLOCALE symbol, which

?S: indicates to the C program that the duplocale() routine is available

?S: to duplicate a locale object.

?S:.

?S:d\_querylocale:

?S: This variable conditionally defines the HAS\_QUERYLOCALE symbol, which

?S: indicates to the C program that the querylocale() routine is available

?S: to return the name of the locale for a category mask.

?S:.

?S:i\_xlocale:

?S: This symbol, if defined, indicates to the C program that it should

?S: include <xlocale.h> to get uselocale() and its friends

?S:.

?C:HAS\_NEWLOCALE:

?C: This symbol, if defined, indicates that the newlocale routine is

?C: available to return a new locale object or modify an existing

?C: locale object.

?C:.

?C:HAS\_FREELOCALE:

?C: This symbol, if defined, indicates that the freelocale routine is

?C: available to deallocates the resources associated with a locale object.

?C:.

?C:HAS\_USELOCALE:

?C: This symbol, if defined,

indicates that the uselocale routine is

?C: available to set the current locale for the calling thread.

?C:.

?C:HAS\_DUPLOCALE:

?C: This symbol, if defined, indicates that the duplocale routine is

?C: available to duplicate a locale object.

?C:.

?C:HAS\_QUERYLOCALE:

?C: This symbol, if defined, indicates that the querylocale routine is

?C: available to return the name of the locale for a category mask.

?C:.

?C:I\_XLOCALE:

?C: This symbol, if defined, indicates to the C program that it should

?C: include <xlocale.h> to get uselocale() and its friends.

?C:.

?H:#\$d\_newlocale HAS\_NEWLOCALE /\*\*/

?H:#\$d\_freelocale HAS\_FREELOCALE /\*\*/

```

?H:#$d_uselocale HAS_USELOCALE /**/
?H:#$d_duplocale HAS_DUPLOCALE /**/
?H:#$d_querylocale HAS_QUERYLOCALE /**/
?H:#$i_xlocale I_XLOCALE /**/
?H:
?LINT:set i_xlocale
?LINT:set d_newlocale
?LINT:set d_freelocale
?LINT:set d_uselocale
?LINT:set d_duplocale
?LINT:set d_querylocale
: see if this is an xlocale.h system
set xlocale.h i_xlocale
eval $inhdr

:
see if newlocale exists
set newlocale d_newlocale
eval $inlibc

: see if freelocale exists
set freelocale d_freelocale
eval $inlibc

: see if uselocale exists
set uselocale d_uselocale
eval $inlibc

: see if duplocale exists
set duplocale d_duplocale
eval $inlibc

: see if querylocale exists
set querylocale d_querylocale
eval $inlibc

Found in path(s):
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_newlocale.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: d_shmctl.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of

```

?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_shmctl.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:07:18 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_shmctl: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_shmctl:  
?S: This variable conditionally defines the HAS\_SHMCTL symbol, which  
?S: indicates to the C program that the shmctl() routine is available.  
?S:.  
?C:HAS\_SHMCTL:  
?C: This symbol, if defined, indicates that the shmctl() routine is  
?C: available to perform shared memory control operations.  
?C:.  
?H:#\$d\_shmctl  
HAS\_SHMCTL /\*\*/  
?H:.  
?LINT:set d\_shmctl  
: see if shmctl exists  
set shmctl d\_shmctl  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_shmctl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_sigvec.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_sigvec.U,v \$  
?RCS: Revision 3.0.1.1 1997/02/28 15:45:37 ram  
?RCS: patch61: there is now a separate routine for sigaction()  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:07:24 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X: d\_sigvec.U, from d\_ftime.U 1.0

```

?X:
?MAKE:d_sigvec d_sigvectr d_sigintrp: Csym Inlibc Setvar
?MAKE: -pick add $@ %<
?S:d_sigvec:
?S: This variable conditionally defines the HAS_SIGVEC symbol, which indicates
?S: that BSD
    reliable signals are supported.
?S:.
?S:d_sigvectr:
?S: This variable conditionally defines the HAS_SIGVECTOR symbol, which
?S: indicates that the sigvec() routine is called sigvector() instead, for
?S: reasons known only to Hewlett-Packard.
?S:.
?S:d_sigintrp:
?S: This variable conditionally defines the HAS_SIGINTRP symbol, which
?S: indicates that the siginterrupt() routine is available.
?S:.
?C:HAS_SIGVEC (SIGVEC):
?C: This symbol, if defined, indicates that BSD reliable signals are
?C: supported.
?C:.
?C:HAS_SIGVECTOR (SIGVECTOR):
?C: This symbol, if defined, indicates that the sigvec() routine is called
?C: sigvector() instead, and that sigspace() is provided instead of
?C: sigstack(). This is probably only true for HP-UX.
?C:.
?C:HAS_SIGINTRP (SIGINTRP):
?C: This symbol, if defined, indicates that the siginterrupt() routine
?C: is available.
?C:.
?H:#$d_sigvec HAS_SIGVEC /**/
?H:#$d_sigvectr HAS_SIGVECTOR /**/
?H:#$d_sigintrp HAS_SIGINTRP /**/
?H:.
?T:val
?LINT:set d_sigvec d_sigintrp
@if
    d_sigvectr || d_sigvec || HAS_SIGVEC || HAS_SIGVECTOR
: see if sigvector exists -- since sigvec will match the substring
echo " "
if set sigvector val -f d_sigvectr; eval $csym; $val; then
    echo 'sigvector() found--you must be running HP-UX.' >&4
    val="$define"; set d_sigvectr; eval $setvar
    val="$define"; set d_sigvec; eval $setvar
else
: try the original name
    d_sigvectr="$undef"
if set sigvec val -f d_sigvec; eval $csym; $val; then

```

```
echo 'sigvec() found.' >&4
val="$define"; set d_sigvec; eval $setvar
else
echo 'sigvec() not found--race conditions with signals may occur.' >&4
val="$undef"; set d_sigvec; eval $setvar
fi
fi
```

```
@end
@if d_sigintpr || HAS_SIGINTRP
: see if we have siginterrupt
set siginterrupt d_sigintpr
eval $inlibc
```

```
@end
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_sigvec.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_rdchk.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_rdchk.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:51 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_rdchk: Inlibc
?MAKE: -pick add $@ %<
?S:d_rdchk:
?S: This variable conditionally defines the HAS_RDCHK symbol, which
?S: indicates to the C program that the rdchk() routine is available
?S: to find out if there is input pending on an IO channel.
?S:.
?C:HAS_RDCHK (RDCHK):
?C: This symbol, if defined, indicates that the rdchk routine
is available
?C: to find out if there is input pending on an IO channel. Generally
?C: the routine is used only if FIONREAD and O_NDELAY aren't available.
?C:.
```

?H:#\$d\_rdchk HAS\_RDCHK /\*\*/

?H:.

?LINT:set d\_rdchk

: see if rdchk exists

set rdchk d\_rdchk

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_rdchk.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fchdir: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fchdir:

?S: This variable conditionally defines the HAS\_FCHDIR symbol, which

?S: indicates to the C program that the fchdir() routine is available.

?S:.

?C:HAS\_FCHDIR:

?C: This symbol, if defined, indicates that the fchdir routine is

?C: available to change directory using a file descriptor.

?C:.

?H:#\$d\_fchdir HAS\_FCHDIR /\*\*/

?H:.

?LINT:set d\_fchdir

: see if fchdir exists

set fchdir d\_fchdir

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fchdir.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2001 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:



?MAKE:d\_nl\_langinfo: Inlibc i\_langinfo  
?MAKE: -pick add \$@ %<  
?S:d\_nl\_langinfo:  
?S: This variable conditionally defines the HAS\_NL\_LANGINFO symbol, which  
?S: indicates to the C program that the nl\_langinfo() routine is available.  
?S:.  
?C:HAS\_NL\_LANGINFO:  
?C: This symbol, if defined, indicates that the nl\_langinfo routine is  
?C: available to return local data. You will also need <langinfo.h>  
?C: and therefore I\_LANGINFO.  
?C:.  
?H:#\$d\_nl\_langinfo HAS\_NL\_LANGINFO /\*\*/  
?H:.  
?LINT:set d\_nl\_langinfo  
?LINT:use i\_langinfo  
: see if nl\_langinfo exists  
set nl\_langinfo d\_nl\_langinfo  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_nl\_langinfo.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2001 Jarkko Hietaniemi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_usleepproto: Hasproto i\_unistd

?MAKE: -pick add \$@ %<

?S:d\_usleepproto:

?S: This variable conditionally defines the HAS\_USLEEP\_PROTO symbol,

?S: which indicates to the C program that the system provides

?S: a prototype for the usleep() function. Otherwise, it is

?S: up to the program to supply one.

?S:.

?C:HAS\_USLEEP\_PROTO:

?C: This symbol, if defined, indicates that the system provides

?C: a prototype for the usleep() function. Otherwise, it is up

?C: to the program to supply one. A good guess is

?C: extern int

```
usleep(useconds_t);
?C:.
?H:#$d_usleepproto HAS_USLEEP_PROTO /**/
?H:.
?LINT:set d_usleepproto
: see if prototype for usleep is available
echo " "
set d_usleepproto usleep $i_unistd unistd.h
eval $hasproto
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_usleepproto.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_setrgid.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_setrgid.U,v $
?RCS: Revision 3.0 1993/08/18 12:07:14 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_setrgid: Inlibc
?MAKE: -pick add $@ %<
?S:d_setrgid:
?S: This variable conditionally defines the HAS_SETRGID symbol, which
?S: indicates to the C program that the setrgid() routine is available
?S: to change the real gid of the current program.
?S:.
?C:HAS_SETRGID (SETRGID):
?C: This symbol, if defined, indicates that the setrgid
routine is available
?C: to change the real gid of the current program.
?C:.
?H:#$d_setrgid HAS_SETRGID /**/
?H:.
?LINT:set d_setrgid
: see if setrgid exists
set setrgid d_setrgid
eval $inlibc
```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setrgid.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2004 H.Merijn Brand

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_strlcpy: Inlibc Hasproto d\_gnulibc

?MAKE: -pick add \$@ %<

?S:d\_strlcpy:

?S: This variable conditionally defines the HAS\_STRLCPY symbol, which

?S: indicates to the C program that the strlcpy () routine is available.

?S:.

?C:HAS\_STRLCPY:

?C: This symbol, if defined, indicates that the strlcpy () routine is

?C: available to do string copying.

?C:.

?H:#\$d\_strlcpy HAS\_STRLCPY /\*\*/

?H:.

?T:d\_strlcpy\_proto xx1 xx2 xx3 xx4

?LINT:set d\_strlcpy

: see if strlcpy exists

: We need both a prototype in string.h and the symbol in libc.

echo " "

d\_strlcpy\_proto="

xx1="#\$d\_gnulibc HAS\_GNULIBC"

xx2='#if defined(HAS\_GNULIBC) && !defined(\_GNU\_SOURCE)'

xx3='# define \_GNU\_SOURCE'

xx4='#endif'

set d\_strlcpy\_proto strlcpy

literal "\$xx1" literal "\$xx2" literal "\$xx3" literal "\$xx4" define string.h

eval \$hasproto

case "\$d\_strlcpy\_proto" in

define) # see if strlcpy exists

set strlcpy d\_strlcpy

eval \$inlibc

::

\*) val=\$undef

set d\_strlcpy

eval \$setvar

::

esac

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_strlcpy.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: errnolist.U,v 3.0.1.2 1997/02/28 15:48:01 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: errnolist.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 15:48:01 ram

?RCS: patch61: replaced .a with \$\_a all over the place

?RCS: patch61: likewise for .o replaced by \$\_o

?RCS:

?RCS: Revision 3.0.1.1 1994/01/24 14:10:54 ram

?RCS: patch16: created

?RCS:

?MAKE:errnolist errnolist\_SH errnolist\_a errnolist\_c errnolist\_o: cat \

Compile +d\_sysernlst \_a \_o

?MAKE: -pick add \$@ %<

?S:errnolist:

?S: This variable holds the base name of a file containing the

?S: definition

of the sys\_errnolist array, if the C library

?S: doesn't provide it already. Otherwise, its value is empty.

?S: The following lines should be included in your Makefile.SH:

?S:

?S: case "\$serrnolist" in

?S: ") ;;

?S: \*)

?S: \$spitshell >>Makefile <<!GROK!THIS!

?S: \$serrnolist\_c: \$serrnolist\_SH \$serrnolist\_a

?S: sh ./\$serrnolist\_SH

?S:

?S: !GROK!THIS!

?S: ;;

?S: esac

?S:

?S: You may define the 'errnolist' variable in your Myinit.U if you

?S: wish to override its default value "errnolist".

?S:.

?S:errnolist\_SH:

?S: This is the name of a file which will generate errnolistc.  
?S:.  
?S:errnolist\_a:  
?S: This is the name of the awk script called by errnolist\_SH.  
?S:.  
?S:errnolist\_c:  
?S: This is the name of a generated C file which provides the  
?S: definition of the sys\_errnolist array.  
?S:.  
?S:errnolist\_o:  
?S: This is the name of the object file which provides the  
?S: definition of the sys\_errnolist array, if the C library  
?S: doesn't provide it already. Otherwise, its value is  
empty.  
?S:.  
?INIT:errnolist=errnolist  
: check for sys\_errnolist  
@if d\_sysernlst || HAS\_SYS\_ERRNOLIST  
case "\$d\_sysernlst" in  
"\$define")  
    errnolist="  
    errnolist\_SH="  
    errnolist\_a="  
    errnolist\_c="  
    errnolist\_o="  
;;  
\*)  
echo " "  
echo "I'll make sure your Makefile provides sys\_errnolist in \$errnolist.c"  
    errnolist\_SH=\$errnolist.SH  
    errnolist\_a=\$errnolist\$\_a  
    errnolist\_c=\$errnolist.c  
    errnolist\_o=\$errnolist\$\_o  
;;  
esac  
@else  
echo " "  
\$cat <<EOM  
Checking to see if your C library provides us with sys\_errnolist[1]...  
EOM  
\$cat >errnolist.c <<'EOCP'  
extern char \*sys\_errnolist[1];  
int main() {  
    char \*p0 = sys\_errnolist[0];  
    char \*p1 = sys\_errnolist[1];  
  
    return (p0 == p1); /\* Make sure they're not optimized away \*/  
}

```

EOCP
set errnolist
if eval $compile; then
    echo "It does."
    errnolist="
    errnolist_SH="
    errnolist_a="
    errnolist_c="
    errnolist_o="
else
echo "I'll make sure your Makefile provides sys_errnolist in $errnolist.c"
    errnolist_SH=$errnolist.SH
    errnolist_a=$errnolist$_a
    errnolist_c=$errnolist.c
    errnolist_o=$errnolist$_o
fi
@end

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/errnolist.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_sysmount.U,v \$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i\_sysmount: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i\_sysmount:

?S: This variable conditionally defines the I\_SYSMOUNT symbol,

?S: and indicates whether a C program should include <sys/mount.h>.

?S:.

?C:I\_SYS\_MOUNT:

?C: This symbol, if defined, indicates that <sys/mount.h> exists and

?C: should be included.

?C:.

?H:#\$i\_sysmount I\_SYS\_MOUNT /\*\*/

?H:.

?LINT:set i\_sysmount

: see if this is a sys/mount.h system

set sys/mount.h i\_sysmount

eval \$inhdr

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_sysmount.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: packadmin.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1996, Andy Dougherty
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
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```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?MAKE:packadmin: cf_email Oldconfig Myread cat spackage package
```

```
?MAKE: -pick add $@ %<
```

```
?Y:TOP
```

```
?S:packadmin:
```

```
?S: Electronic mail address of the package administrator.
```

```
?S:.
```

```
: check whether they will act as local admin for the package
```

```
$cat <<EOM
```

If you or somebody else will be maintaining \$package at your site, please fill in the correct e-mail address here so that they may be contacted if necessary. You may enter "none" for no administrator.

```
EOM
```

```
case "$packadmin" in
```

```
) dflt="$cf_email";;
```

```
*) dflt="$packadmin";;
```

```
esac
```

```
rp="$spackage administrator e-mail address"
```

```
./myread
```

```
packadmin="$ans"
```

```
Found in path(s):
```

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/packadmin.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_getmntent: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getmntent:

?S: This variable conditionally defines the HAS\_GETMNTENT symbol, which

?S: indicates to the C program that the getmntent() routine is available

?S: to iterate through mounted files to get their mount info.

?S:.

?C:HAS\_GETMNTENT:

?C: This symbol, if defined, indicates that the getmntent routine is

?C: available to iterate through mounted file systems to get their info.

?C:.

?H:#\$d\_getmntent HAS\_GETMNTENT /\*\*/

?H:.

?LINT:set d\_getmntent

: see if getmntent exists

set getmntent d\_getmntent

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_getmntent.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: sig\_name.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: sig\_name.U,v \$

?RCS: Revision 3.0.1.5 1997/02/28 16:21:25 ram

?RCS: patch61: brand new algorithm for sig\_name and (new!) sig\_num

?RCS:

?RCS: Revision 3.0.1.4 1995/07/25 14:14:54 ram

?RCS: patch56: added <asm/signal.h> lookup for Linux

?RCS:

?RCS: Revision 3.0.1.3 1995/05/12 12:24:11 ram

?RCS: patch54: now looks for <linux/signal.h> too (ADO)

?RCS:

?RCS: Revision 3.0.1.2 1994/06/20 07:06:57 ram

?RCS: patch30: final echo was missing to close



awk-printed string

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 15:17:55 ram

?RCS: patch23: signal list now formatted to avoid scroll-ups (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:47 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:sig\_name sig\_name\_init sig\_num sig\_num\_init sig\_count sig\_size: \  
 awk Signal Oldconfig rm

?MAKE: -pick add \$@ %<

?S:sig\_name:

?S: This variable holds the signal names, space separated. The leading  
 ?S: SIG in signal name is removed. A ZERO is prepended to the list.

?S: This is currently not used, sig\_name\_init is used instead.

?S:.

?S:sig\_name\_init:

?S: This variable holds the signal names, enclosed in double quotes and  
 ?S: separated by commas, suitable for use in the SIG\_NAME definition  
 ?S: below. A "ZERO" is prepended to the list, and the list is  
 ?S: terminated with a plain 0. The leading SIG in signal names  
 ?S: is removed. See sig\_num.

?S:.

?S:sig\_num:

?S: This variable holds the signal numbers, space separated. A ZERO is  
 ?S: prepended  
 to the list (corresponding to the fake SIGZERO).

?S: Those numbers correspond to the value of the signal listed  
 ?S: in the same place within the sig\_name list.

?S: This is currently not used, sig\_num\_init is used instead.

?S:.

?S:sig\_num\_init:

?S: This variable holds the signal numbers, enclosed in double quotes and  
 ?S: separated by commas, suitable for use in the SIG\_NUM definition  
 ?S: below. A "ZERO" is prepended to the list, and the list is  
 ?S: terminated with a plain 0.

?S:.

?S:sig\_count (sig\_name.U):

?S: This variable holds a number larger than the largest valid  
 ?S: signal number. This is usually the same as the NSIG macro.

?S:.

?S:sig\_size:

?S: This variable contains the number of elements of the sig\_name  
 ?S: and sig\_num arrays.

?S:.

?C:SIG\_NAME:

?C: This symbol contains a list of signal names in order of  
 ?C: signal number. This is intended

?C: to be used as a static array initialization, like this:  
?C: char \*sig\_name[] = { SIG\_NAME };  
?C: The signals in the list are separated  
with commas, and each signal  
?C: is surrounded by double quotes. There is no leading SIG in the signal  
?C: name, i.e. SIGQUIT is known as "QUIT".  
?C: Gaps in the signal numbers (up to NSIG) are filled in with NUMnn,  
?C: etc., where nn is the actual signal number (e.g. NUM37).  
?C: The signal number for sig\_name[i] is stored in sig\_num[i].  
?C: The last element is 0 to terminate the list with a NULL. This  
?C: corresponds to the 0 at the end of the sig\_name\_init list.  
?C: Note that this variable is initialized from the sig\_name\_init,  
?C: not from sig\_name (which is unused).  
?C:.  
?C:SIG\_NUM:  
?C: This symbol contains a list of signal numbers, in the same order as the  
?C: SIG\_NAME list. It is suitable for static array initialization, as in:  
?C: int sig\_num[] = { SIG\_NUM };  
?C: The signals in the list are separated with commas, and the indices  
?C: within that list and the SIG\_NAME list match, so it's easy to compute  
?C: the signal name from a number or vice versa at the price of a small  
?C: dynamic  
linear lookup.  
?C: Duplicates are allowed, but are moved to the end of the list.  
?C: The signal number corresponding to sig\_name[i] is sig\_number[i].  
?C: if (i < NSIG) then sig\_number[i] == i.  
?C: The last element is 0, corresponding to the 0 at the end of  
?C: the sig\_name\_init list.  
?C: Note that this variable is initialized from the sig\_num\_init,  
?C: not from sig\_num (which is unused).  
?C:.  
?C:SIG\_COUNT:  
?C: This variable contains a number larger than the largest  
?C: signal number. This is usually the same as the NSIG macro.  
?C:.  
?C:SIG\_SIZE:  
?C: This variable contains the number of elements of the SIG\_NAME  
?C: and SIG\_NUM arrays, excluding the final NULL entry.  
?C:.  
?H:#define SIG\_NAME \$sig\_name\_init /\*\*/  
?H:#define SIG\_NUM \$sig\_num\_init /\*\*/  
?H:#define SIG\_COUNT \$sig\_count /\*\*/  
?H:#define SIG\_SIZE \$sig\_size /\*\*/  
?H:.  
?T:i doinit  
?F:!= !signal\_cmd  
?X: signal.cmd creates a file signal.lst which has two columns:  
?X: NAME number, e.g.

```

?X: HUP 1
?X: The list is
    sorted on signal number, with duplicates moved to
?X: the end..
: generate list of signal names
case "$sig_num_init" in
")
echo " "
case "$sig_name_init" in
") doinit=yes ;;
*) case "$sig_num_init" in
    "|*,*) doinit=yes ;;
    esac ;;
esac
case "$doinit" in
yes)
echo "Generating a list of signal names and numbers..." >&4
. ./signal_cmd
sig_count=`$awk '/^NSIG/ { printf "%d", $2 }' signal.lst`
sig_name=`$awk 'BEGIN { printf "ZERO " }
    !/^NSIG/ { printf "%s ", $1 }' signal.lst`
sig_num=`$awk 'BEGIN { printf "0 " }
    !/^NSIG/ { printf "%d ", $2 }' signal.lst`
sig_name_init=`$awk 'BEGIN { printf "\"ZERO\", " }
    !/^NSIG/ { printf "\"%s\", ", $1 }
    END { printf "0\n" }' signal.lst`
sig_num_init=`$awk 'BEGIN { printf "0, " }
    !/^NSIG/ { printf "%d, ", $2 }
    END { printf "0\n" }' signal.lst`
;;
esac
echo "The following $sig_count signals are available:"
echo " "
echo $sig_name | $awk \
'BEGIN { linelen = 0 }
{
for (i = 1; i <= NF; i++) {
    name
= "SIG" $i " "
    linelen = linelen + length(name)
    if (linelen > 70) {
        printf "\n"
        linelen = length(name)
    }
    printf "%s", name
}
printf "\n"
}'

```

```
sig_size=`echo $sig_name | awk '{print NF}'`  
$rm -f signal signal.c signal.awk signal.lst signal_cmd  
;;  
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/sig_name.U
```

No license file was found, but licenses were detected in source scan.

?RCS:

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?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?MAKE:Assert: cat

?MAKE: -pick add \$@ %<

?F:./static\_assert.h

: static assertion checking include file

?X:

?X: C programs can include this file to perform STATIC\_ASSERT() checks

?X: which are done at compile-time and cause the compilation to fail when

?X: the expression is false.

?X:

?X: It is sufficient to compile with: \$cc -c \$ccflags try.c

?X: There is no need to link the file to spot the assertion failure.

?X:

```
$cat >static_assert.h <<'EOC'
```

```
#define STATIC_ASSERT(expr) \
```

```
do { switch (0) { case ((expr) ? 1 : 0): case 0: break; } }
```

```
while(0)
```

```
EOC
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Assert.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_asctime\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

```

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.
?RCS:
?MAKE:d_asctime_r asctime_r_proto: Inlibc Protochk Hasproto i_systypes \
  usethreads i_time i_systime extern_C
?MAKE: -pick add $@ %<
?S:d_asctime_r:
?S: This variable conditionally defines the HAS_ASCTIME_R symbol,
?S: which indicates to the C program that the asctime_r()
?S: routine is available.
?S:.
?S:asctime_r_proto:
?S: This variable encodes the prototype of asctime_r.
?S: It is zero if d_asctime_r is undef, and one of the
?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_asctime_r
?S: is defined.
?S:.
?C:HAS_ASCTIME_R:
?C: This symbol, if defined, indicates that the asctime_r routine
?C: is available to asctime
  re-entrantly.
?C:.
?C:ASCTIME_R_PROTO:
?C: This symbol encodes the prototype of asctime_r.
?C: It is zero if d_asctime_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_asctime_r
?C: is defined.
?C:.
?H:#$d_asctime_r HAS_ASCTIME_R /**/
?H:#define ASCTIME_R_PROTO $asctime_r_proto /**/
?H:.
?T:try hdrs d_asctime_r_proto
: see if asctime_r exists
set asctime_r d_asctime_r
eval $inlibc
case "$d_asctime_r" in
"$define")
  hdrs="$i_systypes sys/types.h define stdio.h $i_time time.h $i_systime sys/time.h"
  case "$d_asctime_r_proto:$usethreads" in
  ":define") d_asctime_r_proto=define
    set d_asctime_r_proto asctime_r $hdrs
    eval $hasproto ;;
  *) ;;
  esac
  case "$d_asctime_r_proto" in
  define)
    case "$asctime_r_proto" in
    "|0) try='char* asctime_r(const struct tm*, char*);'
./protochk "$extern_C $try" $hdrs && asctime_r_proto=B_SB ;;

```

```

esac
case "$asctime_r_proto" in
"|0) try='char* asctime_r(const struct tm*, char*, int);'
./protochk "$extern_C $try" $hdrs
&& asctime_r_proto=B_SBI ;;
esac
case "$asctime_r_proto" in
"|0) try='int asctime_r(const struct tm*, char*);'
./protochk "$extern_C $try" $hdrs && asctime_r_proto=I_SB ;;
esac
case "$asctime_r_proto" in
"|0) try='int asctime_r(const struct tm*, char*, int);'
./protochk "$extern_C $try" $hdrs && asctime_r_proto=I_SBI ;;
esac
case "$asctime_r_proto" in
"|0) d_asctime_r=undef
asctime_r_proto=0
echo "Disabling asctime_r, cannot determine prototype." >&4 ;;
*) case "$asctime_r_proto" in
REENTRANT_PROTO*) ;;
*) asctime_r_proto="REENTRANT_PROTO_$asctime_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "asctime_r has no prototype, not using it." >&4 ;;
esac
d_asctime_r=undef
asctime_r_proto=0
;;
esac
;;
*) asctime_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_asctime_r.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

```

?RCS:
?MAKE:d_fpclass: Inlibc
?MAKE: -pick add $@ %<
?S:d_fpclass:
?S: This variable conditionally defines the HAS_FPCLASS symbol, which
?S: indicates to the C program that the fpclass() routine is available.
?S:.
?C:HAS_FPCLASS:
?C: This symbol, if defined, indicates that the fpclass routine is
?C: available to classify doubles. Available for example in Solaris/SVR4.
?C: The returned values are defined in <ieeefp.h> and are:
?C:
?C: FP_SNAN signaling NaN
?C: FP_QNAN quiet NaN
?C: FP_NINF negative infinity
?C: FP_PINF positive infinity
?C: FP_NDENORM negative denormalized non-zero
?C: FP_PDENORM positive denormalized non-zero
?C: FP_NZERO negative zero
?C: FP_PZERO positive zero
?C: FP_NNORM negative normalized
non-zero
?C: FP_PNORM positive normalized non-zero
?C:.
?H:#$d_fpclass HAS_FPCLASS /**/
?H:.
?LINT:set d_fpclass
: see if fpclass exists
set fpclass d_fpclass
eval $inlibc

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/d_fpclass.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_sigsetmk.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_sigsetmk.U,v $
?RCS: Revision 3.0 1993/08/18 12:07:23 ram

```

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_sigsetmk: Csym Setvar

?MAKE: -pick add \$@ %<

?S:d\_sigsetmk:

?S: This variable conditionally defines the HAS\_SIGSETPASK symbol, which

?S: indicates to the C program that the sigsetmask() routine is available

?S: to set current signal mask.

?S:.

?C:HAS\_SIGSETPASK (SIGSETPASK):

?C: This symbol, if defined, indicates that the sigsetmask() routine is

?C: available to set current signal mask. Otherwise, you should probably

?C: emulate this by using signal(), but fear race conditions...

?C:.

?H:#\$d\_sigsetmk HAS\_SIGSETPASK /\*\*/

?H:.

?LINT:set d\_sigsetmk

: see if sigsetmask exists

echo " "

if set sigsetmask val -f d\_sigsetmk; eval \$csym; \$val; then

echo 'sigsetmask() found.' >&4

val="\$define"

else

echo "sigsetmask() not found -- We'll use signal()." >&4

val="\$undef"

fi

set d\_sigsetmk

eval \$setvar

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_sigsetmk.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: nametype.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: nametype.U,v \$

?RCS: Revision 3.0.1.3 1994/10/29 16:26:09 ram

?RCS: patch36: call ./usg and ./bsd explicitly instead of relying on PATH



?RCS:  
?RCS: Revision 3.0.1.2 1994/08/29 16:36:48 ram  
?RCS: patch32: fixed typo: /etc/password -> /etc/passwd (WED)  
?RCS:  
?RCS: Revision 3.0.1.1 1993/09/13 16:10:09 ram  
?RCS: patch10: made questions more explicit for 'Configure -s' prompting (WAD)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:20 ram  
?RCS: Baseline  
for dist 3.0 netwide release.  
?RCS:  
?MAKE:nametype d\_passnames d\_berknames d\_usgnames: Myread Guess Oldconfig cat  
?MAKE: -pick add \$@ %<  
?S:nametype:  
?S: This variable indicates how full names are stored on this system.  
?S: Values are bsd, usg, and other.  
?S:.  
?S:d\_passnames:  
?S: This variable conditionally defines the PASSNAMES symbol,  
?S: which indicates to the C program that full names are stored in  
?S: the /etc/passwd file.  
?S:.  
?S:d\_berknames:  
?S: This variable conditionally defines the PASSNAMES symbol,  
?S: which indicates to the C program that full names are stored in  
?S: the /etc/passwd file in Berkeley format.  
?S:.  
?S:d\_usgnames:  
?S: This variable conditionally defines the PASSNAMES symbol,  
?S: which indicates to the C program that full names are stored in  
?S: the /etc/passwd file in USG format.  
?S:.  
?C:PASSNAMES:  
?C: This symbol, if defined, indicates that full names are stored in  
?C: the /etc/passwd file.  
?C:.  
?C:BERKNAMES:  
?C: This symbol, if defined, indicates that full  
names are stored in  
?C: the /etc/passwd file in Berkeley format (name first thing, everything  
?C: up to first comma, with & replaced by capitalized login id, yuck).  
?C:.  
?C:USGNAMES:  
?C: This symbol, if defined, indicates that full names are stored in  
?C: the /etc/passwd file in USG format (everything after - and before ( is  
?C: the name).  
?C:.  
?H:#\$d\_passnames PASSNAMES /\* (undef to take name from ~/.fullname) \*/

```

?H:#$d_berknames BERKNAMES /* (that is, ":name,stuff:") */
?H:#$d_usgnames USGNAMES /* (that is, ":stuff-name(stuff:)") */
?H:
: find out how to find out full name
case "$d_berknames" in
"$define")
dflt=y;;
"$undef")
dflt=n;;
*)
if ./bsd; then
dflt=y
elif ./xenix; then
dflt=y
else
dflt=n
fi
;;
esac
$cat <<'EOM'

```

Does your /etc/passwd file keep full names in Berkeley/V7 format (name first thing after ':' in GCOS field)? In that case, a typical entry in the password file looks like this:

```

guest:**password**:10:100:Mister Guest User:/usr/users:/bin/sh

```

```

^^^^^^^^^^^^^^^^^^^^^^

```

```

EOM
rp="Berkeley/V7 format for full name in /etc/passwd?"
./myread
case "$ans" in
y*) d_passnames="$define"
d_berknames="$define"
d_usgnames="$undef"
nametype=bsd
;;
*)
case "$d_usgnames" in
"$define") dflt=y;;
"$undef") dflt=n;;
*)
if ./usg; then
dflt=y
else
dflt=n
fi
;;

```

```
esac
$cat <<'EOM'
```

Does your passwd file keep full names in USG format (name sandwiched between a '-' and a '(')? In that case, a typical entry in the password file looks like this:

```
guest:**password**:10:100:000-Mister Guest User(000):usr/users:/bin/sh
          ^^^^^^^^^^^^^^^^^^^^^^^
```

EOM

```
rp="USG format for full name in /etc/passwd?"
./myread
case "$ans" in
n*) echo "Full name will be taken from ~/.fullname"
d_passnames="$undef"
d_berknames="$undef"
d_usgnames="$undef"
nametype=other
;;
*)
d_passnames="$define"
d_berknames="$undef"
d_usgnames="$define"
nametype=usg
;;
esac;;
esac
```

Found in path(s):

```
*
/opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/nametype.U
```

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_remainder: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_remainder:

?S: This variable conditionally defines the HAS\_REMAINDER symbol, which

?S: indicates to the C program that the remainder() routine is available.

?S:.

?C:HAS\_REMAINDER:

?C: This symbol, if defined, indicates that the remainder routine is

?C: available to return the floating-point remainder.

?C:.

?H:#\$d\_remainder HAS\_REMAINDER /\*\*/

```
?H:
?LINT:set d_remainder
: see if remainder exists
set remainder d_remainder
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_remainder.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_setreuid.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_setreuid.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:07:13 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:d_setreuid d_setresuid: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_setreuid:
```

```
?S: This variable conditionally defines HAS_SETREUID if setreuid() is
```

```
?S: available to change the real and effective uid of the current
```

```
?S: process.
```

```
?S:.
```

```
?S:d_setresuid:
```

```
?S: This variable conditionally defines HAS_SETREUID if setresuid() is
```

```
?S: available to change
```

```
the real, effective and saved uid of the current
```

```
?S: process.
```

```
?S:.
```

```
?C:HAS_SETREUID (SETREUID):
```

```
?C: This symbol, if defined, indicates that the setreuid routine is
```

```
?C: available to change the real and effective uid of the current
```

```
?C: process.
```

```
?C:.
```

```
?C:HAS_SETRESUID (SETRESUID):
```

```
?C: This symbol, if defined, indicates that the setresuid routine is
```

```
?C: available to change the real, effective and saved uid of the current
```

```
?C: process.
```

```
?C:.
```

```
?H:#$d_setreuid HAS_SETREUID /**/  
?H:#$d_setresuid HAS_SETRESUID /**/  
?H:  
?LINT:set d_setreuid d_setresuid  
: see if setreuid exists  
set setreuid d_setreuid  
eval $inlibc  
set setresuid d_setresuid  
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_setreuid.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: $Log: i_dirent.U,v $  
?RCS: Revision 3.0.1.4 1994/10/29 16:20:01 ram  
?RCS: patch36: failed scanning for 'd_namlen' with missing <dirent.h> (ADO)  
?RCS:  
?RCS: Revision 3.0.1.3 1994/06/20 07:01:25 ram  
?RCS: patch30: added direntrytype for hints, merely for NeXT (ADO)  
?RCS: patch30: now checks for both struct dirent and direct (ADO)  
?RCS:  
?RCS: Revision 3.0.1.2 1994/05/13 15:22:37 ram  
?RCS: patch27: new variable direntrytype for proper type setting (ADO)  
?RCS:  
?RCS: Revision 3.0.1.1 1994/01/24  
14:11:15 ram  
?RCS: patch16: added new Direntry_t pseudo-type for directory entries  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:08:17 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This unit looks whether there is a dirent system or not  
?X:  
?MAKE:i_dirent d_dirnamlen direntrytype: test contains Setvar \  
Myread Findhdr cppstdin cppflags cppminus rm_try
```

```

?MAKE: -pick add $@ %<
?S:i_dirent:
?S: This variable conditionally defines I_DIRENT, which indicates
?S: to the C program that it should include <dirent.h>.
?S:.
?S:d_dirnamlen:
?S: This variable conditionally defines DIRNAMLEN, which indicates
?S: to the C program that the length of directory entry names is
?S: provided by a d_namelen field.
?S:.
?S:direntrytype:
?S: This symbol is set to 'struct direct' or 'struct dirent' depending on
?S: whether dirent is available or not. You should use this pseudo type to
?S: portably declare your directory entries.
?S:.
?C:I_DIRENT:
?C: This symbol, if defined, indicates to the C program
?C: that it should
?C: include <dirent.h>. Using this symbol also triggers the definition
?C: of the Direntry_t define which ends up being 'struct dirent' or
?C: 'struct direct' depending on the availability of <dirent.h>.
?C:.
?C:DIRNAMLEN:
?C: This symbol, if defined, indicates to the C program that the length
?C: of directory entry names is provided by a d_namlen field. Otherwise
?C: you need to do strlen() on the d_name field.
?C:.
?C:Direntry_t:
?C: This symbol is set to 'struct direct' or 'struct dirent' depending on
?C: whether dirent is available or not. You should use this pseudo type to
?C: portably declare your directory entries.
?C:.
?H:#$i_dirent I_DIRENT /**/
?H:#$d_dirnamlen DIRNAMLEN /**/
?H:?%<:@if I_DIRENT && Direntry_t
?H:?%<:#define Direntry_t $direntrytype
?H:?%<:@end
?H:.
?T:xinc guess1 guess2
?LINT:set i_dirent d_dirnamlen
: see if this is a dirent system
echo " "
if xinc=`./findhdr dirent.h`; $test "$xinc"; then
val="$define"
echo "<dirent.h> found." >&4
else
val="$undef"
if

```

```

xinc=`./findhdr sys/dir.h`; $test "$xinc"; then
  echo "<sys/dir.h> found." >&4
  echo " "
else
  xinc=`./findhdr sys/ndir.h`
fi
echo "<dirent.h> NOT found." >&4
fi
set i_dirent
eval $setvar

```

?X: Use struct dirent or struct direct? If we're using dirent.h,

?X: it's probably struct dirent, but apparently not always.

?X: Assume \$xinc still contains the name of the header file we're using.

```
@if direntrytype || Direntry_t
```

```
: Look for type of directory structure.
```

```
echo " "
```

```
$cppstdin $cppflags $cppminus < "$xinc" > try.c
```

```
case "$direntrytype" in
```

```
"| ")
```

```
case "$i_dirent" in
```

```
$define) guess1='struct dirent' ;;
```

```
*) guess1='struct direct' ;;
```

```
esac
```

```
::
```

```
*) guess1="$direntrytype"
```

```
::
```

```
esac
```

```
case "$guess1" in
```

```
'struct dirent') guess2='struct direct' ;;
```

```
*) guess2='struct dirent' ;;
```

```
esac
```

```
if $contains "$guess1" try.c >/dev/null 2>&1; then
```

```
  direntrytype="$guess1"
```

```
  echo "Your directory entries are $direntrytype." >&4
```

```
elif $contains "$guess2" try.c >/dev/null 2>&1; then
```

```
  direntrytype="$guess2"
```

```
  echo
```

```
  "Your directory entries seem to be $direntrytype." >&4
```

```
else
```

```
  echo "I don't recognize your system's directory entries." >&4
```

```
  rp="What type is used for directory entries on this system?"
```

```
  dflt="$guess1"
```

```
  . ./myread
```

```
  direntrytype="$ans"
```

```

fi
$rm_try

@end

@if d_dirnamlen || DIRNAMLEN
: see if the directory entry stores field length
echo " "
$cppstdin $cppflags $cppminus < "$xinc" > try.c
if $contains 'd_namlen' try.c >/dev/null 2>&1; then
echo "Good, your directory entry keeps length information in d_namlen." >&4
val="$define"
else
echo "Your directory entry does not know about the d_namlen field." >&4
val="$undef"
fi
set d_dirnamlen
eval $setvar
$rm_try

@end

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_dirent.U
```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_usleep.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_usleep.U,v $
?RCS: Revision 3.0 1993/08/18 12:07:53 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_usleep: Inlibc
?MAKE:-pick add $@ %<
?S:d_usleep:
?S: This variable conditionally defines HAS_USLEEP if usleep() is
?S: available to do high granularity sleeps.
?S:.
?C:HAS_USLEEP (USLEEP):

```



?C: This symbol, if defined, indicates that the usleep routine is

?C: available to let the process sleep on a sub-second accuracy.

?C:.

?H:#\$d\_usleep

```
HAS_USLEEP /**/
```

?H:.

?LINT:set d\_usleep

: see if usleep exists

set usleep d\_usleep

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_usleep.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: pidtype.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:31:27 ram

?RCS: patch32: now uses new Typedef unit to compute type information

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:33 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:pidtype: Myread Typedef

?MAKE: -pick add \$@ %<

?S:pidtype:

?S: This variable defines PIDTYPE to be something like pid\_t, int,

?S: ushort, or whatever type is used to declare process ids in the kernel.

?S:.

?C:Pid\_t (PIDTYPE):

?C: This symbol holds the type  
used to declare process ids in the kernel.

?C: It can be int, uint, pid\_t, etc... It may be necessary to include

?C: <sys/types.h> to get any typedef'ed information.

?C:.

?H:#define Pid\_t \$pidtype /\* PID type \*/

?H:.

: see what type pids are declared as in the kernel

```
set pid_t pidtype int stdio.h sys/types.h
eval $stypedef
dflt="$pidtype"
echo " "
rp="What type are process ids on this system declared as?"
. ./myread
pidtype="$ans"
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/pidtype.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_ulimit.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_ulimit.U,v $
?RCS: Revision 3.0 1993/08/18 12:07:51 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_ulimit: Inlibc
?MAKE: -pick add $@ %<
?S:d_ulimit:
?S: This variable conditionally defines HAS_ULIMIT if ulimit() is
?S: available to get the user limits.
?S:.
?C:HAS_ULIMIT (ULIMIT):
?C: This symbol, if defined, indicates that the ulimit system call is
?C: available to get the user limits.
?C:.
?H:#$d_ulimit HAS_ULIMIT /**/
?H:.
?LINT:set
d_ulimit
: see if ulimit exists
set ulimit d_ulimit
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_ulimit.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_msghdr_s: Hasstruct i_systypes d_socket i_sysuio Setvar
?MAKE: -pick add $@ %<
?S:d_msghdr_s:
?S: This variable conditionally defines the HAS_STRUCT_MSGHDR symbol,
?S: which indicates that the struct msghdr is supported.
?S:.
?C:HAS_STRUCT_MSGHDR:
?C: This symbol, if defined, indicates that the struct msghdr
?C: is supported.
?C:.
?H:#$d_msghdr_s HAS_STRUCT_MSGHDR /**/
?H:.
?LINT:set d_msghdr_s
: Check for msghdr_s
echo " "
echo "Checking to see if your system supports struct msghdr..." >&4
set d_msghdr_s msghdr $i_systypes sys/types.h $d_socket sys/socket.h $i_sysuio sys/uio.h
eval $hasstruct
case "$d_msghdr_s" in
"$define") echo "Yes, it does." ;;
*) echo "No, it doesn't."
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_msghdr_s.U
```

No license file was found, but licenses were detected in source scan.

```
# $Id: errnolist.sh,v 3.0.1.1 1994/01/24 14:00:00 ram Exp ram $
#
# Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
#
# You may redistribute only under the terms of the Artistic Licence,
# as specified in the README file that comes with the distribution.
# You may reuse parts of this distribution only within the terms of
# that same Artistic Licence; a copy of which may be found at the root
# of the source tree for dist 4.0.
#
```

```

# Original Author: Harlan Stenn <harlan@mumps.pfcs.com>
#
# $Log: errnolist.sh,v $
# Revision 3.0.1.1 1994/01/24 14:00:00 ram
# patch16: changed top ln-style config.sh lookup into test-style one
#
# Revision 3.0 1993/08/18 12:04:36 ram
# Baseline for dist 3.0 netwide release.
#

case $CONFIG in
")
if test -f config.sh; then TOP=.;
elif test -f ../config.sh; then TOP=../.;
elif test -f ../../config.sh; then TOP=../../.;
elif test -f ../../../config.sh; then TOP=../../../.;
elif
test -f ../../../../config.sh; then TOP=../../../../.;
else
echo "Can't find config.sh."; exit 1
fi
. $TOP/config.sh
;;
esac
case "$0" in
*/*) cd `expr X$0 : 'X\(.*/\)^'` ;;
esac
case "$Serrnolistic" in
") ;;
*)
echo "Making Serrnolistic ..."
awk -f errnolist.a < /usr/include/sys/errno.h > Serrnolistic
echo "It would be a good idea to make sure that Serrnolistic is correct."
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/errnolist.SH

```

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_nextafter: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_nextafter:

?S: This variable conditionally defines HAS\_NEXTAFTER if nextafter()

?S: is available to return the next machine representable double from

?S: x in direction y.  
?S:.  
?C:HAS\_NEXTAFTER:  
?C: This symbol, if defined, indicates that the nextafter routine is  
?C: available to return the next machine representable double from  
?C: x in direction y.  
?C:.  
?H:#\$d\_nextafter HAS\_NEXTAFTER /\*\*/  
?H:.  
?LINT:set d\_nextafter  
: see if nextafter exists  
set nextafter d\_nextafter  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_nextafter.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_memchr.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:32 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_memchr: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_memchr:  
?S: This variable conditionally defines the HAS\_MEMCHR symbol, which  
?S: indicates to the C program that the memchr() routine is available  
?S: to scan a block of memory for a character.  
?S:.  
?C:HAS\_MEMCHR:  
?C: This symbol, if defined, indicates that the memchr routine is available  
?C: to scan a block of memory for a character.  
If undefined, roll your own.  
?C:.  
?H:#\$d\_memchr HAS\_MEMCHR /\*\*/  
?H:.  
?LINT:set d\_memchr

```
: see if memchr exists
set memchr d_memchr
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_memchr.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1998, Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?MAKE:i_thread: Inhdr
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_thread:
```

```
?S: This variable conditionally defines the I_THREAD symbol,
```

```
?S: and indicates whether a C program should include <pthread.h>.
```

```
?S:.
```

```
?C:I_THREAD:
```

```
?C: This symbol, if defined, indicates to the C program that it should
```

```
?C: include <pthread.h>.
```

```
?C:.
```

```
?H:#i_thread I_THREAD /**/
```

```
?H:.
```

```
?LINT:set i_thread
```

```
: see if POSIX threads are available
```

```
set pthread.h i_thread
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/i_thread.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```

?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:d_sbrkproto: Hasproto i_unistd
?MAKE: -pick add $@ %<
?S:d_sbrkproto:
?S: This variable conditionally defines the HAS_SBRK_PROTO symbol,
?S: which indicates to the C program that the system provides
?S: a prototype for the sbrk() function. Otherwise, it is
?S: up to the program to supply one.
?S:.
?C:HAS_SBRK_PROTO:
?C: This symbol, if defined, indicates that the system provides
?C: a prototype for the sbrk() function. Otherwise, it is up
?C: to the program to supply one. Good guesses are
?C: extern void* sbrk(int);
?C: extern
void* sbrk(size_t);
?C:.
?H:#$d_sbrkproto HAS_SBRK_PROTO /**/
?H:.
?LINT:set d_sbrkproto
: see if prototype for sbrk is available
echo " "
set d_sbrkproto sbrk $i_unistd unistd.h
eval $hasproto

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/d_sbrkproto.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_getlogin.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_getlogin.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:07:41 ram
?RCS: patch32: created by ADO
?RCS:

```

?MAKE:d\_getlogin: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_getlogin:  
?S: This variable conditionally defines the HAS\_GETLOGIN symbol, which  
?S: indicates to the C program that the getlogin() routine is available  
?S: to get the login name.  
?S:.  
?C:HAS\_GETLOGIN :  
?C: This symbol,  
if defined, indicates that the getlogin routine is  
?C: available to get the login name.  
?C:.  
?H:#\$d\_getlogin HAS\_GETLOGIN /\*\*/  
?H:.  
?LINT:set d\_getlogin  
: see if getlogin exists  
set getlogin d\_getlogin  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_getlogin.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: pidtype.U,v 3.0.1.1 1994/08/29 16:31:27 ram Exp \$  
?RCS:  
?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: pidtype.U,v \$  
?RCS: Revision 3.0.1.1 1994/08/29 16:31:27 ram  
?RCS: patch32: now uses new Typedef unit to compute type information  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:33 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:pidtype: Myread Typedef  
?MAKE: -pick add \$@ %<  
?S:pidtype:  
?S: This variable defines PIDTYPE to be something like pid\_t, int,  
?S: ushort, or whatever type is used to declare process ids in the kernel.  
?S:.  
?C:Pid\_t (PIDTYPE):



```
?C: This
symbol holds the type used to declare process ids in the kernel.
?C: It can be int, uint, pid_t, etc... It may be necessary to include
?C: <sys/types.h> to get any typedef'ed information.
?C:.
?H:#define Pid_t $pidtype /* PID type */
?H:.
?LINT: set pidtype
: see what type pids are declared as in the kernel
rp="What is the type of process ids on this system?"
set pid_t pidtype int stdio.h sys/types.h
eval $typedef_ask
```

Found in path(s):  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/pidtype.U  
No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_perror.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: You may reuse parts of this distribution only within the terms of
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_perror.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:11:38 ram
?RCS: patch32: always define HAS_PERROR even when not used in C code
?RCS:
?RCS: Revision 3.0 1993/08/18 12:06:45 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_perror: Inlibc
?MAKE: -pick add $@ %<
?S:d_perror:
?S: This variable conditionally remaps perror to a null action and
?S: defines the symbol HAS_PERROR, which indicates to the C program
?S: that the perror()
routine is not available to print system
?S: error messages.
?S:.
?C:HAS_PERROR ~ %<:
?C: This symbol, if defined, indicates that the perror() routine is
?C: available to print system error messages. If not defined, you should
?C: use your own diagnostic routine...
```

```
?C:.
?C:perror ~ %<:
?C: This symbol is mapped to null if the perror() routine is not
?C: available to print system error messages.
?C:.
?H:?%<:#$d_perror HAS_PERROR /**/
?H:?%<:#ifndef HAS_PERROR
?H:?%<:#define perror(s) ; /* mapped to a null statement */
?H:?%<:#endif
?H:.
?LINT:set d_perror
: see if perror exists
set perror d_perror
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_perror.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_finite: Inlibc
?MAKE: -pick add $@ %<
?S:d_finite:
?S: This variable conditionally defines the HAS_FINITE symbol, which
?S: indicates to the C program that the finite() routine is available.
?S:.
?C:HAS_FINITE:
?C: This symbol, if defined, indicates that the finite routine is
?C: available to check whether a double is finite (non-infinity non-NaN).
?C:.
?H:#$d_finite HAS_FINITE /**/
?H:.
?LINT:set d_finite
: see if finite exists
set finite d_finite
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_finite.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_stat.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_stat.U,v $
?RCS: Revision 3.0 1993/08/18 12:07:28 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_stat: Inlibc
?MAKE: -pick add $@ %<
?S:d_stat:
?S: This variable conditionally defines HAS_STAT if stat() is
?S: available to get file status.
?S:.
?C:HAS_STAT (STAT):
?C: This symbol, if defined, indicates that the stat routine is
?C: available to get file status.
?C:.
?H:#$d_stat HAS_STAT /**/
?H:.
?LINT:set d_stat
: see if stat exists
set
stat d_stat
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_stat.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_systimeb.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
```

```

?RCS:
?RCS: $Log: i_systimeb.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:37 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit looks wether <sys/timeb.h> should be included
?X: or not when using ftime() (for struct timeb definition).
?X:
?X: Force looking for <sys/time.h> for struct timeb.
?X:INC: i_systime
?MAKE:i_systimeb: test contains Loc Setvar Findhdr
?MAKE: -pick add $@ %<
?S:i_systimeb:
?S: This variable conditionally defines I_SYS_TIMEB,
    which indicates
?S: to the C program that it should include <sys/timeb.h>.
?S:.
?C:I_SYS_TIMEB (I_SYSTIMEB):
?C: This symbol, if defined, indicates to the C program that it should
?C: include <sys/timeb.h>, in order to define struct timeb (some systems
?C: define this in <sys/time.h>). This is useful when using ftime().
?C: You should include <sys/time.h> if I_SYS_TIMEB is not defined,
?C: nor is I_SYS_TIME.
?C:.
?H:#$i_systimeb I_SYS_TIMEB /**/
?H:.
?T:xxx
?LINT:set i_systimeb
: see where struct timeb is defined
echo " "
xxx=`./findhdr sys/timeb.h`
if $test "$xxx"; then
if $contains 'struct timeb' $xxx >/dev/null 2>&1; then
    val="$define"
    echo "You have struct timeb defined in <sys/timeb.h>." >&4
else
    val="$undef"
    echo "Assuming struct timeb is defined in <sys/time.h>." >&4
fi
else
    val="$undef"
echo "No <sys/timeb.h> -- Assuming struct timeb is defined in <sys/time.h>." >&4
fi
set i_systimeb
eval $setvar

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_systimeb.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: cf_name.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
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```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>
```

```
?RCS:
```

```
?RCS: $Log: cf_name.U,v $
```

```
?RCS: Revision 3.0.1.2 1994/05/06 14:29:36 ram
```

```
?RCS: patch23: fixed user name computation from /etc/passwd in bsd systems
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.1 1994/01/24 14:05:11 ram
```

```
?RCS: patch16: created
```

```
?RCS:
```

```
?RCS:
```

```
?MAKE:+cf_name: cf_by passcat Filexp nametype cat test
```

```
?MAKE: -pick add $@ %<
```

```
?S:cf_name:
```

```
?S: Full name of the person who ran the Configure script and  
answered the
```

```
?S: questions. This can be used by units that require the user's full name.
```

```
?S: This variable is for internal use only.
```

```
?S:.
```

```
?T:xxx fn NAME
```

```
: figure out their full name
```

```
case "$NAME" in
```

```
) case "$nametype" in
```

```
other)
```

```
fn=`./filexp ~/.fullname`
```

```
xxx=usg
```

```
$test -f $fn && xxx=other
```

```
::
```

```
*)
```

```
xxx="$nametype"
```

```
::
```

```
esac
```

```
case "$xxx" in
```

```
bsd)
```

```

cf_name=`$passcat | grep "^$cf_by:" | \
sed -e 's/^[^:]*:[^:]*:[^:]*:[^:]*:\([^:]*\):.*\1/' \
-e 's/,.*//'^
;;
usg)
cf_name=`$passcat | grep "^$cf_by:" | \
sed -e 's/^[^:]*:[^:]*:[^:]*:[^:]*:\([^:]*\):.*\1/' \
-e 's/[^-]*-\(.*\)(.*)\1/'^
;;
*)
cf_name=`$cat $fn`
;;
esac
;;
*)
cf_name="$NAME"
;;
esac
?X:
?X: In the original unit, Graham asked for the user name, in case the above
?X: code was unable to figure it out correctly. Since now cf_name has been
?X: made an internal variable only (i.e. it is not saved in config.sh), letting
?X: the user override the computed default each time would be a pain.
?X:
Therefore, I have decided to trust the above code to get it right, and for
?X: those rare cases where it will fail, too bad :-)--RAM.
?X:
echo " "
echo "Pleased to meet you, $cf_name."

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/cf_name.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_setpgrp2.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
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```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_setpgrp2.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:07:10 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

?RCS:  
?MAKE:d\_setpgrp2: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_setpgrp2:  
?S: This variable conditionally defines the HAS\_SETPGRP2 symbol, which  
?S: indicates to the C program that the setpgrp2() (as in DG/UX) routine  
?S: is available to set the current process group.  
?S:.  
?C:HAS\_SETPGRP2 (SETPGRP2):  
?C: This symbol, if defined, indicates that the  
setpgrp2() (as in DG/UX)  
?C: routine is available to set the current process group.  
?C:.  
?H:#\$d\_setpgrp2 HAS\_SETPGRP2 /\*\*/  
?H:.  
?LINT:set d\_setpgrp2  
: see if setpgrp2 exists  
set setpgrp2 d\_setpgrp2  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setpgrp2.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_mblen.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: d\_mblen.U,v \$  
?RCS: Revision 3.0.1.1 1994/08/29 16:09:40 ram  
?RCS: patch32: created by ADO  
?RCS:  
?MAKE:d\_mblen: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_mblen:  
?S: This variable conditionally defines the HAS\_MBLLEN symbol, which  
?S: indicates to the C program that the mblen() routine is available  
?S: to find the number of bytes in a multibyte character.  
?S:.

?C:HAS\_MBLEN:  
?C: This  
symbol, if defined, indicates that the mblen routine is available  
?C: to find the number of bytes in a multibyte character.

?C:.  
?H:#\$d\_mblen HAS\_MBLEN /\*\*/  
?H:.

?LINT:set d\_mblen  
: see if mblen exists  
set mblen d\_mblen  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_mblen.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_setpwent.U,v \$  
?RCS:  
?RCS: Copyright (c) 1998 Andy Dougherty  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?RCS: \$Log: d\_setpwent.U,v \$  
?RCS:  
?MAKE:d\_setpwent: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_setpwent:  
?S: This variable conditionally defines the HAS\_SETPWENT symbol, which  
?S: indicates to the C program that the setpwent() routine is available  
?S: for initializing sequential access to the passwd database.  
?S:.  
?C:HAS\_SETPWENT:  
?C: This symbol, if defined, indicates that the setpwent routine is  
?C: available for initializing sequential access of the passwd database.  
?C:.  
?H:#\$d\_setpwent HAS\_SETPWENT /\*\*/  
?H:.  
?LINT:set d\_setpwent  
: see if setpwent exists  
set setpwent d\_setpwent  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_setpwent.U



No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_fchown.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_fchown.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:01 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_fchown: Inlibc
?MAKE: -pick add $@ %<
?S:d_fchown:
?S: This variable conditionally defines the HAS_FCHOWN symbol, which
?S: indicates to the C program that the fchown() routine is available
?S: to change ownership of opened files.
?S:.
?C:HAS_FCHOWN (FCHOWN):
?C: This symbol, if defined, indicates that the fchown routine is available
?C: to
change ownership of opened files. If unavailable, use chown().
?C:.
?H:#$d_fchown HAS_FCHOWN /**/
?H:.
?LINT:set d_fchown
: see if fchown exists
set fchown d_fchown
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_fchown.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_regex.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Original Author: Sidney C. Smith <scsmith@cbda9.apgea.army.mil>  
?RCS:  
?RCS: \$Log: i\_regex.U,v \$  
?RCS: Revision 3.0.1.1 1995/01/30 14:35:45 ram  
?RCS: patch49: created  
?RCS:  
?RCS:  
?MAKE:i\_regex: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_regex:  
?S: This variable conditionally defines the I\_REGEX symbol, which  
?S: indicates to the C program that <regex.h> exists and should  
?S: be included.  
?S:.  
?C:I\_REGEX:  
?C: This symbol, if defined, indicates that <regex.h> exists  
and should  
?C: be included.  
?C:.  
?H:#\$i\_regex I\_REGEX /\*\*/  
?H:.  
?LINT:set i\_regex  
: see if regex is available  
set regex.h i\_regex  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_regex.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: n.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: n.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:09:19 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:n c: contains

```

?MAKE: -pick add $@ %<
?S:n:
?S: This variable contains the -n flag if that is what causes the echo
?S: command to suppress newline. Otherwise it is null. Correct usage is
?S:  $echo $n "prompt for a question: $c".
?S:..
?S:c:
?S: This variable contains the \c string if that is what causes the echo
?S: command to suppress newline.
    Otherwise it is null. Correct usage is
?S:  $echo $n "prompt for a question: $c".
?S:..
: first determine how to suppress newline on echo command
echo " "
echo "Checking echo to see how to suppress newlines..."
(echo "hi there\c" ; echo " ") >.echotmp
if $contains c .echotmp >/dev/null 2>&1 ; then
    echo "...using -n."
    n='-n'
    c=""
else
    cat <<'EOM'
...using \c
EOM
n=""
c='\c'
fi
echo $n "The star should be here-->$c"
echo '*'
rm -f .echotmp

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/n.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_getservbyname_r.U,v 0RCS:

```

```

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

```

```

?RCS:

```

```

?RCS: You may distribute under the terms of either the GNU General Public

```

```

?RCS: License or the Artistic License, as specified in the README file.

```

```

?RCS:

```

```

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

```

```

?RCS:

```

```

?MAKE:d_getservbyname_r getservbyname_r_proto: Inlibc Protochk Hasproto \
i_systypes usethreads i_netdb extern_C

```

```

?MAKE: -pick add $@ %<

```

```

?S:d_getservbyname_r:

```

?S: This variable conditionally defines the HAS\_GETSERVBYNAME\_R symbol,  
 ?S: which indicates to the C program that the getservbyname\_r()  
 ?S: routine is available.  
 ?S:.  
 ?S:getservbyname\_r\_proto:  
 ?S: This variable encodes the prototype of getservbyname\_r.  
 ?S: It is zero if d\_getservbyname\_r is undef, and one of the  
 ?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getservbyname\_r  
 ?S: is defined.  
 ?S:.  
 ?C:HAS\_GETSERVBYNAME\_R:  
 ?C: This symbol, if defined, indicates  
 that the getservbyname\_r routine  
 ?C: is available to getservbyname re-entrantly.  
 ?C:.  
 ?C:GETSERVBYNAME\_R\_PROTO:  
 ?C: This symbol encodes the prototype of getservbyname\_r.  
 ?C: It is zero if d\_getservbyname\_r is undef, and one of the  
 ?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getservbyname\_r  
 ?C: is defined.  
 ?C:.  
 ?H:#\$d\_getservbyname\_r HAS\_GETSERVBYNAME\_R /\*\*/  
 ?H:#define GETSERVBYNAME\_R\_PROTO \$getservbyname\_r\_proto /\*\*/  
 ?H:.  
 ?T:try hdrs d\_getservbyname\_r\_proto  
 : see if getservbyname\_r exists  
 set getservbyname\_r d\_getservbyname\_r  
 eval \$inlibc  
 case "\$d\_getservbyname\_r" in  
 "\$define")  
 hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_netdb netdb.h"  
 case "\$d\_getservbyname\_r\_proto:\$usetthreads" in  
 ":define") d\_getservbyname\_r\_proto=define  
 set d\_getservbyname\_r\_proto getservbyname\_r \$hdrs  
 eval \$hasproto ;;  
 \*) ;;  
 esac  
 case "\$d\_getservbyname\_r\_proto" in  
 define)  
 case "\$getservbyname\_r\_proto" in  
 "|0) try='int getservbyname\_r(const char\*, const char\*, struct servent\*, char\*,  
 size\_t, struct servent\*\*);'  
 ./protochk "\$extern\_C \$try" \$hdrs && getservbyname\_r\_proto=I\_CCSBWR ;;  
 esac  
 case "\$getservbyname\_r\_proto" in  
 "|0) try='struct servent\* getservbyname\_r(const char\*, const char\*, struct servent\*, char\*, int);'  
 ./protochk "\$extern\_C \$try" \$hdrs && getservbyname\_r\_proto=S\_CCSBI ;;  
 esac

```

case "$getservbyname_r_proto" in
"|0) try='int getservbyname_r(const char*, const char*, struct servent*, struct servent_data*);'
./protochk "$extern_C $try" $hdrs && getservbyname_r_proto=I_CCSD ;;
esac
case "$getservbyname_r_proto" in
"|0) d_getservbyname_r=undef
getservbyname_r_proto=0
echo "Disabling getservbyname_r, cannot determine prototype." >&4 ;;
* ) case "$getservbyname_r_proto" in
REENTRANT_PROTO*) ;;
*) getservbyname_r_proto="REENTRANT_PROTO_${getservbyname_r_proto}" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usetthreads" in
define) echo "getservbyname_r has no prototype, not using it." >&4 ;;
esac
d_getservbyname_r=undef
getservbyname_r_proto=0
;;
esac
;;
*) getservbyname_r_proto=0
;;
esac

```

#### Found

in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_getservbyname\_r.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999-2016 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_PRIfldbl sPRIfldbl d\_PRIgldbl d\_PRIFUdbl sPRIGUdbl d\_PRIEUdbl \

sPRIGldbl d\_PRIldbl sPRIldbl sPRIFUdbl d\_PRIGUdbl sPRIEUdbl \

d\_SCNfldbl d\_double\_style\_vax d\_double\_style\_ieee \

d\_double\_style\_ibm d\_double\_style\_cray d\_double\_has\_subnormals \

d\_double\_has\_inf d\_double\_has\_nan d\_double\_has\_negative\_zero \

sSCNfldbl doublekind: \

d\_longdbl longdblsize doublesize uselongdouble test echo cat rm\_try \

Setvar Compile run i\_stdlib osname gccversion ccflags

?MAKE: -pick add \$@ %<

?S:doublekind:

?S: This variable, if defined, encodes the type of a double:

?S: 1 = IEEE 754 32-bit little endian,

?S: 2 = IEEE 754 32-bit big endian,

?S: 3 = IEEE 754 64-bit little endian,

?S: 4 = IEEE

754 64-bit big endian,

?S: 5 = IEEE 754 128-bit little endian,

?S: 6 = IEEE 754 128-bit big endian,

?S: 7 = IEEE 754 64-bit mixed endian le-be,

?S: 8 = IEEE 754 64-bit mixed endian be-le,

?S: 9 = VAX 32bit little endian F float format

?S: 10 = VAX 64bit little endian D float format

?S: 11 = VAX 64bit little endian G float format

?S: 12 = IBM 32bit format

?S: 13 = IBM 64bit format

?S: 14 = Cray 64bit format

?S: -1 = unknown format.

?S:.

?S:d\_PRIfldbl:

?S: This variable conditionally defines the PERL\_PRIfldbl symbol, which

?S: indicates that stdio has a symbol to print long doubles.

?S:.

?S:d\_PRIgldbl:

?S: This variable conditionally defines the PERL\_PRIfldbl symbol, which

?S: indicates that stdio has a symbol to print long doubles.

?S:.

?S:d\_PRIeldbl:

?S: This variable conditionally defines the PERL\_PRIfldbl symbol, which

?S: indicates that stdio has a symbol to print long doubles.

?S:.

?S:d\_PRIFUdbl:

?S: This variable conditionally defines the PERL\_PRIfldbl symbol, which

?S: indicates

that stdio has a symbol to print long doubles.

?S: The 'U' in the name is to separate this from d\_PRIfldbl so that even

?S: case-blind systems can see the difference.

?S:.

?S:d\_PRIGUdbl:

?S: This variable conditionally defines the PERL\_PRIfldbl symbol, which

?S: indicates that stdio has a symbol to print long doubles.

?S: The 'U' in the name is to separate this from d\_PRIgldbl so that even

?S: case-blind systems can see the difference.

?S:.

?S:d\_PRIEUdbl:

?S: This variable conditionally defines the PERL\_PRIfldbl symbol, which

?S: indicates that stdio has a symbol to print long doubles.

?S: The 'U' in the name is to separate this from d\_PRIldbl so that even  
?S: case-blind systems can see the difference.  
?S:.  
?S:d\_SCNfldbl:  
?S: This variable conditionally defines the PERL\_PRIfldbl symbol, which  
?S: indicates that stdio has a symbol to scan long doubles.  
?S:.  
?S:sPRIfldbl:  
?S: This variable, if defined, contains the string used by stdio to  
?S: format long doubles (format 'f') for  
output.  
?S:.  
?S:sPRIGldbl:  
?S: This variable, if defined, contains the string used by stdio to  
?S: format long doubles (format 'g') for output.  
?S:.  
?S:sPRIldbl:  
?S: This variable, if defined, contains the string used by stdio to  
?S: format long doubles (format 'e') for output.  
?S:.  
?S:sPRIFUldbl:  
?S: This variable, if defined, contains the string used by stdio to  
?S: format long doubles (format 'F') for output.  
?S: The 'U' in the name is to separate this from sPRIfldbl so that even  
?S: case-blind systems can see the difference.  
?S:.  
?S:sPRIGUldbl:  
?S: This variable, if defined, contains the string used by stdio to  
?S: format long doubles (format 'G') for output.  
?S: The 'U' in the name is to separate this from sPRIGldbl so that even  
?S: case-blind systems can see the difference.  
?S:.  
?S:sPRIEUldbl:  
?S: This variable, if defined, contains the string used by stdio to  
?S: format long doubles (format 'E') for output.  
?S: The 'U' in the name is to separate this from sPRIldbl so that even  
?S: case-blind  
systems can see the difference.  
?S:.  
?S:sSCNfldbl:  
?S: This variable, if defined, contains the string used by stdio to  
?S: format long doubles (format 'f') for input.  
?S:.  
?S:d\_double\_has\_inf:  
?S: This variable conditionally defines the symbol DOUBLE\_HAS\_INF  
?S: which indicates that the double type has an infinity.  
?S:.  
?S:d\_double\_has\_nan:

?S: This variable conditionally defines the symbol `DOUBLE_HAS_NAN`  
?S: which indicates that the double type has a not-a-number.  
?S:.  
?S:`d_double_has_negative_zero`:  
?S: This variable conditionally defines the symbol `DOUBLE_HAS_NEGATIVE_ZERO`  
?S: which indicates that the double type has a negative zero.  
?S:.  
?S:`d_double_has_subnormals`:  
?S: This variable conditionally defines the symbol `DOUBLE_HAS_SUBNORMALS`  
?S: which indicates that the double type has subnormals (denormals).  
?S:.  
?S:`d_double_style_cray`:  
?S: This variable conditionally defines the symbol `DOUBLE_STYLE_CRAY`  
?S: which indicates that the double is the 64-bit CRAY mainframe  
format.  
?S:.  
?S:`d_double_style_ibm`:  
?S: This variable conditionally defines the symbol `DOUBLE_STYLE_IBM`,  
?S: which indicates that the double is the 64-bit IBM mainframe format.  
?S:.  
?S:`d_double_style_ieee`:  
?S: This variable conditionally defines the symbol `DOUBLE_STYLE_IEEE`,  
?S: which indicates that the double is the 64-bit IEEE 754.  
?S:.  
?S:`d_double_style_vax`:  
?S: This variable conditionally defines the symbol `DOUBLE_STYLE_VAX`,  
?S: which indicates that the double is the 64-bit VAX format D or G.  
?S:.  
?C:`PERL_PRIldbl`:  
?C: This symbol, if defined, contains the string used by `stdio` to  
?C: format long doubles (format 'f') for output.  
?C:.  
?C:`PERL_PRIgdbl`:  
?C: This symbol, if defined, contains the string used by `stdio` to  
?C: format long doubles (format 'g') for output.  
?C:.  
?C:`PERL_PRIeldbl`:  
?C: This symbol, if defined, contains the string used by `stdio` to  
?C: format long doubles (format 'e') for output.  
?C:.  
?C:`PERL_PRIfldbl`:  
?C: This symbol, if defined, contains the string used by `stdio`  
to  
?C: format long doubles (format 'F') for output.  
?C:.  
?C:`PERL_PRIGdbl`:  
?C: This symbol, if defined, contains the string used by `stdio` to  
?C: format long doubles (format 'g') for output.



?C:.

?C:PERL\_PRIEdbl:

?C: This symbol, if defined, contains the string used by stdio to

?C: format long doubles (format 'e') for output.

?C:.

?C:PERL\_SCNfdbl:

?C: This symbol, if defined, contains the string used by stdio to

?C: format long doubles (format 'f') for input.

?C:.

?C:DOUBLEKIND:

?C: DOUBLEKIND will be one of

?C: DOUBLE\_IS\_IEEE\_754\_32\_BIT\_LITTLE\_ENDIAN

?C: DOUBLE\_IS\_IEEE\_754\_32\_BIT\_BIG\_ENDIAN

?C: DOUBLE\_IS\_IEEE\_754\_64\_BIT\_LITTLE\_ENDIAN

?C: DOUBLE\_IS\_IEEE\_754\_64\_BIT\_BIG\_ENDIAN

?C: DOUBLE\_IS\_IEEE\_754\_128\_BIT\_LITTLE\_ENDIAN

?C: DOUBLE\_IS\_IEEE\_754\_128\_BIT\_BIG\_ENDIAN

?C: DOUBLE\_IS\_IEEE\_754\_64\_BIT\_MIXED\_ENDIAN\_LE\_BE

?C: DOUBLE\_IS\_IEEE\_754\_64\_BIT\_MIXED\_ENDIAN\_BE\_LE

?C: DOUBLE\_IS\_VAX\_F\_FLOAT

?C: DOUBLE\_IS\_VAX\_D\_FLOAT

?C: DOUBLE\_IS\_VAX\_G\_FLOAT

?C: DOUBLE\_IS\_IBM\_SINGLE\_32\_BIT

?C: DOUBLE\_IS\_IBM\_DOUBLE\_64\_BIT

?C: DOUBLE\_IS\_CRAY\_SINGLE\_64\_BIT

?C: DOUBLE\_IS\_UNKNOWN\_FORMAT

?C:.

?C:DOUBLE\_HAS\_INF:

?C: This

symbol, if defined, indicates that the double has

?C: the infinity.

?C:.

?C:DOUBLE\_HAS\_NAN:

?C: This symbol, if defined, indicates that the double has

?C: the not-a-number.

?C:.

?C:DOUBLE\_HAS\_NEGATIVE\_ZERO:

?C: This symbol, if defined, indicates that the double has

?C: the negative\_zero.

?C:.

?C:DOUBLE\_HAS\_SUBNORMALS:

?C: This symbol, if defined, indicates that the double has

?C: the subnormals (denormals).

?C:.

?C:DOUBLE\_STYLE\_CRAY:

?C: This symbol, if defined, indicates that the double is

?C: the 64-bit CRAY mainframe format.

?C:.

?C:DOUBLE\_STYLE\_IBM:  
?C: This symbol, if defined, indicates that the double is  
?C: the 64-bit IBM mainframe format.  
?C:.

?C:DOUBLE\_STYLE\_IEEE:  
?C: This symbol, if defined, indicates that the double is  
?C: the 64-bit IEEE 754.  
?C:.

?C:DOUBLE\_STYLE\_VAX:  
?C: This symbol, if defined, indicates that the double is  
?C: the 64-bit VAX format D or G.  
?C:.

?LINT:known  
DOUBLE\_IS\_IEEE\_754\_32\_BIT\_LITTLE\_ENDIAN  
?LINT:known DOUBLE\_IS\_IEEE\_754\_32\_BIT\_BIG\_ENDIAN  
?LINT:known DOUBLE\_IS\_IEEE\_754\_64\_BIT\_LITTLE\_ENDIAN  
?LINT:known DOUBLE\_IS\_IEEE\_754\_64\_BIT\_BIG\_ENDIAN  
?LINT:known DOUBLE\_IS\_IEEE\_754\_128\_BIT\_LITTLE\_ENDIAN  
?LINT:known DOUBLE\_IS\_IEEE\_754\_128\_BIT\_BIG\_ENDIAN  
?LINT:known DOUBLE\_IS\_IEEE\_754\_64\_BIT\_MIXED\_ENDIAN\_LE\_BE  
?LINT:known DOUBLE\_IS\_IEEE\_754\_64\_BIT\_MIXED\_ENDIAN\_BE\_LE  
?LINT:known DOUBLE\_IS\_VAX\_F\_FLOAT  
?LINT:known DOUBLE\_IS\_VAX\_D\_FLOAT  
?LINT:known DOUBLE\_IS\_VAX\_G\_FLOAT  
?LINT:known DOUBLE\_IS\_IBM\_SINGLE\_32\_BIT  
?LINT:known DOUBLE\_IS\_IBM\_DOUBLE\_64\_BIT  
?LINT:known DOUBLE\_IS\_CRAY\_SINGLE\_64\_BIT  
?LINT:known DOUBLE\_IS\_UNKNOWN\_FORMAT  
?H:#define DOUBLEKIND \$doublekind /\*\*/  
?H:?DOUBLEKIND:#define DOUBLE\_IS\_IEEE\_754\_32\_BIT\_LITTLE\_ENDIAN 1  
?H:?DOUBLEKIND:#define DOUBLE\_IS\_IEEE\_754\_32\_BIT\_BIG\_ENDIAN 2  
?H:?DOUBLEKIND:#define DOUBLE\_IS\_IEEE\_754\_64\_BIT\_LITTLE\_ENDIAN 3  
?H:?DOUBLEKIND:#define DOUBLE\_IS\_IEEE\_754\_64\_BIT\_BIG\_ENDIAN 4  
?H:?DOUBLEKIND:#define DOUBLE\_IS\_IEEE\_754\_128\_BIT\_LITTLE\_ENDIAN 5  
?H:?DOUBLEKIND:#define  
DOUBLE\_IS\_IEEE\_754\_128\_BIT\_BIG\_ENDIAN 6  
?H:?DOUBLEKIND:#define DOUBLE\_IS\_IEEE\_754\_64\_BIT\_MIXED\_ENDIAN\_LE\_BE 7  
?H:?DOUBLEKIND:#define DOUBLE\_IS\_IEEE\_754\_64\_BIT\_MIXED\_ENDIAN\_BE\_LE 8  
?H:?DOUBLEKIND:#define DOUBLE\_IS\_VAX\_F\_FLOAT 9  
?H:?DOUBLEKIND:#define DOUBLE\_IS\_VAX\_D\_FLOAT 10  
?H:?DOUBLEKIND:#define DOUBLE\_IS\_VAX\_G\_FLOAT 11  
?H:?DOUBLEKIND:#define DOUBLE\_IS\_IBM\_SINGLE\_32\_BIT 12  
?H:?DOUBLEKIND:#define DOUBLE\_IS\_IBM\_DOUBLE\_64\_BIT 13  
?H:?DOUBLEKIND:#define DOUBLE\_IS\_CRAY\_SINGLE\_64\_BIT 14  
?H:?DOUBLEKIND:#define DOUBLE\_IS\_UNKNOWN\_FORMAT -1  
?H:#\$d\_PRIfldbl PERL\_PRIfldbl \$\$PRIfldbl /\*\*/  
?H:#\$d\_PRIgldbl PERL\_PRIgldbl \$\$PRIgldbl /\*\*/  
?H:#\$d\_PRIeldbl PERL\_PRIeldbl \$\$PRIeldbl /\*\*/

```

?H:#$d_PRIFUldbl PERL_PRIFldbl $sPRIFUldbl /**/
?H:#$d_PRIGUldbl PERL_PRIGldbl $sPRIGUldbl /**/
?H:#$d_PRIEUldbl PERL_PRIEldbl $sPRIEUldbl /**/
?H:#$d_SCNFldbl PERL_SCNFldbl $sSCNFldbl /**/
?H:#$d_double_has_inf DOUBLE_HAS_INF
?H:#$d_double_has_nan DOUBLE_HAS_NAN
?H:#$d_double_has_negative_zero
DOUBLE_HAS_NEGATIVE_ZERO
?H:#$d_double_has_subnormals DOUBLE_HAS_SUBNORMALS
?H:#$d_double_style_cray DOUBLE_STYLE_CRAY
?H:#$d_double_style_ibm DOUBLE_STYLE_IBM
?H:#$d_double_style_ieee DOUBLE_STYLE_IEEE
?H:#$d_double_style_vax DOUBLE_STYLE_VAX
?H:.
?T:yyy message saveccflags
?F:!try
?LINT:change ccflags
?LINT:change uselongdouble
: Check what kind of doubles your system has
$echo "Checking the kind of doubles you have..." >&4
$cat >try.c <<EOP
#$i_stdlib I_STDLIB
#define DOUBLESIZE $doublesize
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#include <stdio.h>
static const double d = -0.1;
int main() {
    unsigned const char* b = (unsigned const char*)&d;
    #if DOUBLESIZE == 4
    if (b[0] == 0xCD && b[3] == 0xBD) {
        /* IEEE 754 32-bit little-endian */
        printf("1\n");
        exit(0);
    }
    if (b[0] == 0xBD && b[3] == 0xCD) {
        /* IEEE 754 32-bit big-endian */
        printf("2\n");
        exit(0);
    }
    if (b[0] == 0xCC && b[3] == 0xCC) {
        /* VAX format F, 32-bit
PDP-style mixed endian. */
        printf("9\n");
        exit(0);
    }
    if (b[0] == 0xC0 && b[3] == 0x9A) {

```

```

/* IBM single 32-bit */
printf("12\n");
exit(0);
}
#endif
#if DOUBLESIZE == 8
if (b[0] == 0x9A && b[7] == 0xBF) {
/* IEEE 754 64-bit little-endian */
printf("3\n");
exit(0);
}
if (b[0] == 0xBF && b[7] == 0x9A) {
/* IEEE 754 64-bit big-endian */
printf("4\n");
exit(0);
}
if (b[0] == 0x99 && b[3] == 0xBF && b[4] == 0x9A && b[7] == 0x99) {
/* ARM mixed endian: two little-endian 32-bit floats, in big endian order:
* 4 5 6 7 0 1 2 3 (MSB = 7, LSB = 0)
* 99 99 b9 bf 9a 99 99 99 */
printf("7\n");
exit(0);
}
if (b[0] == 0x99 && b[3] == 0x9A && b[4] == 0xBF && b[7] == 0x99) {
/* The opposite of case 7, mixed endian: two big-endian 32-bit floats,
* in little endian order: 3 2 1 0 7 6 5 4 (MSB = 7, LSB = 0)
* 99 99 99 9a bf b9 99 99 */
printf("8\n");
exit(0);
}
if (b[0] == 0xCC && b[7] == 0xCC) {
/* VAX
format D, 64-bit PDP-style mixed endian. */
printf("10\n");
exit(0);
}
if (b[0] == 0xD9 && b[7] == 0x99) {
/* VAX format G, 64-bit PDP-style mixed endian. */
printf("11\n");
exit(0);
}
if (b[0] == 0xC0 && b[7] == 0x9A) {
/* IBM double 64-bit */
printf("13\n");
exit(0);
}
if (b[0] == 0xBF && b[7] == 0xCD) {
/* CRAY single 64-bit */

```

```

printf("14\n");
exit(0);
}
#endif
#if DOUBLESIZE == 16
if (b[0] == 0x9A && b[15] == 0xBF) {
/* IEEE 754 128-bit little-endian */
printf("5\n");
exit(0);
}
if (b[0] == 0xBF && b[15] == 0x9A) {
/* IEEE 754 128-bit big-endian */
printf("6\n");
exit(0);
}
#endif
/* Then there are old mainframe/miniframe formats like IBM and CRAY.
* Whether those environments can still build Perl is debatable. */
printf("-1\n"); /* unknown */
exit(0);
}
EOP
set try
if eval $compile; then
doublekind=`$run ./try`
else
doublekind=-1
fi
case "$doublekind" in
1) echo "You have IEEE
754 32-bit little endian doubles." >&4 ;;
2) echo "You have IEEE 754 32-bit big endian doubles." >&4 ;;
3) echo "You have IEEE 754 64-bit little endian doubles." >&4 ;;
4) echo "You have IEEE 754 64-bit big endian doubles." >&4 ;;
5) echo "You have IEEE 754 128-bit little endian doubles." >&4 ;;
6) echo "You have IEEE 754 128-bit big endian doubles." >&4 ;;
7) echo "You have IEEE 754 64-bit mixed endian doubles (32-bit LEs in BE)." >&4 ;;
8) echo "You have IEEE 754 64-bit mixed endian doubles (32-bit BEs in LE)." >&4 ;;
9) echo "You have VAX format F 32-bit PDP-style mixed endian doubles." >&4 ;;
10) echo "You have VAX format D 64-bit PDP-style mixed endian doubles." >&4 ;;
11) echo "You have VAX format G 64-bit PDP-style mixed endian doubles." >&4 ;;
12) echo "You have IBM short 32-bit doubles." >&4 ;;
13) echo "You have IBM long 64-bit doubles." >&4 ;;
14) echo "You have Cray single 64-bit doubles." >&4 ;;
*) echo "Cannot figure out your double. You Cyber, or something?" >&4 ;;
esac
d_double_style_ieee=$undef
d_double_style_vax=$undef

```

```

d_double_style_ibm=$undef
d_double_style_cray=$undef
case
"$doublekind" in
1|2|3|4|5|6|7|8) d_double_style_ieee=$define ;;
9|10|11) d_double_style_vax=$define ;;
12|13) d_double_style_ibm=$define ;;
14) d_double_style_cray=$define ;;
esac
case "$d_double_style_ieee" in
$define)
    d_double_has_inf=$define
    d_double_has_nan=$define
    d_double_has_negative_zero=$define
    d_double_has_subnormals=$define
    ;;
*)
    d_double_has_inf=$undef
    d_double_has_nan=$undef
    d_double_has_negative_zero=$undef
    d_double_has_subnormals=$undef
    ;;
esac
$rm_try

: Check print/scan long double stuff
echo " "

if $test X"$d_longdbl" = X"$define"; then

echo "Checking how to print long doubles..." >&4

if $test X"$sPRIldbl" = X -a X"$doublesize" = X"$longdblsize"; then
    $cat >try.c <<'EOCP'
#include <sys/types.h>
#include <stdio.h>
int main() {
    double d = 123.456;
    printf("%.3f\n", d);
}
EOCP
set try
if eval $compile; then
    yyy=`$run
./try`
    case "$yyy" in
    123.456)
        sPRIldbl="f"; sPRIgldbl="g"; sPRIeldbl="e";

```

```

sPRIFUdbl="F"; sPRIGUdbl="G"; sPRIEUdbl="E";
echo "We will use %f."
;;
esac
fi
fi

if $test X"$sPRIfdbl" = X; then
$cat >try.c <<'EOCP'
#include <sys/types.h>
#include <stdio.h>
int main() {
long double d = 123.456;
printf("%.3Lf\n", d);
}
EOCP
set try
if eval $compile; then
yyy=`$run ./try`
case "$yyy" in
123.456)
sPRIfdbl="Lf"; sPRIGdbl="Lg"; sPRIeldbl="Le";
sPRIFUdbl="LF"; sPRIGUdbl="LG"; sPRIEUdbl="LE";
echo "We will use %Lf."
;;
esac
fi
fi

if $test X"$sPRIfdbl" = X; then
$cat >try.c <<'EOCP'
#include <sys/types.h>
#include <stdio.h>
int main() {
long double d = 123.456;
printf("%.3llf\n", d);
}
EOCP
set try
if eval $compile; then
yyy=`$run ./try`
case "$yyy" in
123.456)
sPRIfdbl="llf"; sPRIGdbl="llg"; sPRIeldbl="lle";
sPRIFUdbl="llF"; sPRIGUdbl="llG"; sPRIEUdbl="llE";
echo "We
will use %llf."
;;

```

```

    esac
fi
fi

if $test X"$sPRIfldbl" = X; then
    $cat >try.c <<'EOCP'
#include <sys/types.h>
#include <stdio.h>
int main() {
    long double d = 123.456;
    printf("%.3lf\n", d);
}
EOCP
set try
if eval $compile; then
    yyy=`$run ./try`
    case "$yyy" in
        123.456)
            sPRIfldbl="lf"; sPRIGldbl="lg"; sPRIeldbl="le";
            sPRIFUldbl="lF"; sPRIGUldbl="lG"; sPRIEUldbl="lE";
            echo "We will use %lf."
            ;;
        esac
    fi
fi

if $test X"$sPRIfldbl" = X; then
    echo "Cannot figure out how to print long doubles." >&4
else
    sSCNfldbl=$sPRIfldbl # expect consistency
fi

$rm_try

fi # d_longdbl

case "$sPRIfldbl" in
    *) d_PRIfldbl="$sundef"; d_PRIGldbl="$sundef"; d_PRIeldbl="$sundef";
       d_PRIFUldbl="$sundef"; d_PRIGUldbl="$sundef"; d_PRIEUldbl="$sundef";
       d_SCNfldbl="$sundef";
       ;;
    *) d_PRIfldbl="$sdefine"; d_PRIGldbl="$sdefine"; d_PRIeldbl="$sdefine";
       d_PRIFUldbl="$sdefine"; d_PRIGUldbl="$sdefine"; d_PRIEUldbl="$sdefine";
       d_SCNfldbl="$sdefine";
       ;;
esac

```

: Before committing on uselongdouble,



see whether that looks sane.

```
if $test "$uselongdouble" = "$define"; then
    message=""
    echo " "
    echo "Checking if your long double math functions work right..." >&4
    $cat > try.c <<EOF
#include <math.h>
#include <stdio.h>
int main() {
    printf("%$PRIgldbl\n", sqrtl(logl(expl(cosl(sinl(0.0L))))+powl(2.0L, 3.0L)));
}
EOF
    case "$osname:$gccversion" in
    aix:) saveccflags="$ccflags"
    ccflags="$ccflags -qlongdouble" ;; # to avoid core dump
    esac
    set try
    if eval $compile_ok; then
        yyy=`$run ./try`
    fi
    case "$yyy" in
    3) echo "Your long double math functions are working correctly." >&4 ;;
    *) echo "Your long double math functions are broken, not using long doubles." >&4
        uselongdouble=$undef
        ;;
    esac
    $rm_try
    case "$osname:$gccversion" in
    aix:) ccflags="$saveccflags" ;; # restore
    esac
fi
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/longdblfi.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: vaproto.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>

```

?RCS:
?RCS: $Log: vaprot0.U,v $
?RCS: Revision 3.0.1.1 1994/01/24 14:17:16 ram
?RCS: patch16: definition of _V now appears only when needed
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:59 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:vaprot0: prototype i_stdarg Setvar
?MAKE: -pick add $@ %<
?S:vaprot0:
?S: This variable conditionally defines CAN_VAPROTO on systems supporting
?S: prototype
    declaration of functions with a variable number of
?S: arguments. See also prototype.
?S:
?C:CAN_VAPROTO ~ %<:
?C: This variable is defined on systems supporting prototype declaration
?C: of functions with a variable number of arguments.
?C:
?C:_V:
?C: This macro is used to declare function parameters in prototypes for
?C: functions with a variable number of parameters. Use double parentheses.
?C: For example:
?C:
?C: int printf _V((char *fmt, ...));
?C:
?C: Remember to use the plain simple _() macro when declaring a function
?C: with no variable number of arguments, since it might be possible to
?C: have a non-effect _V() macro and still get prototypes via _().
?C:
?H:?%<:#$vaprot0 CAN_VAPROTO /**/
?H:?_V:#ifdef CAN_VAPROTO
?H:?_V:#define _V(args) args
?H:?_V:#else
?H:?_V:#define _V(args) ()
?H:?_V:#endif
?H:
?W:%<:_V
?LINT:set vaprot0
: see if prototypes support variable argument declarations
echo " "
case "$prototype$i_stdarg" in
$define$define)
echo "It appears we'll
be able to prototype varargs functions." >&4
val="$define"
;;

```

```
*)
echo "Too bad... We won't be using prototyped varargs functions..." >&4
val="$undef"
;;
esac
set vaproto
eval $setvar
```

Found in path(s):

```
*/opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/vaproto.U
```

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?RCS:

?MAKE:d\_quad quadtype uquadtype quadkind: \  
longsize intsize d\_longlong longlongsize d\_int64\_t \  
Inhdr Setvar

?MAKE: -pick add \$@ %<

?S:d\_quad:

?S: This variable, if defined, tells that there's a 64-bit integer type,

?S: quadtype.

?S:.

?S:quadtype:

?S: This variable defines Quad\_t to be something like long, int,

?S: long long, int64\_t, or whatever type is used for 64-bit integers.

?S:.

?S:quadkind:

?S: This variable, if defined, encodes the type of a quad:

?S: 1 = int, 2 = long, 3 = long long, 4 = int64\_t.

?S:.

?S:uquadtype:

?S: This variable defines Uquad\_t to be something like unsigned long,

?S: unsigned int, unsigned long long, uint64\_t, or whatever type is

?S: used for 64-bit integers.

?S:.

?C:HAS\_QUAD:

?C: This

symbol, if defined, tells that there's a 64-bit integer type,

?C: Quad\_t, and its unsigned counterpart, Uquad\_t. QUADKIND will be one

?C: of QUAD\_IS\_INT, QUAD\_IS\_LONG, QUAD\_IS\_LONG\_LONG, QUAD\_IS\_INT64\_T,

?C: or QUAD\_IS\_\_\_INT64.

?C:.

```

?H:#$d_quad HAS_QUAD /**/
?H:%<:#ifdef HAS_QUAD
?H:%<:# define Quad_t $quadtype /**/
?H:%<:# define Uquad_t $uquadtype /**/
?H:%<:# define QUADKIND $quadkind /**/
?H:%<:# define QUAD_IS_INT 1
?H:%<:# define QUAD_IS_LONG 2
?H:%<:# define QUAD_IS_LONG_LONG 3
?H:%<:# define QUAD_IS_INT64_T 4
?H:%<:# define QUAD_IS___INT64 5
?H:%<:#endif
?H:.
?LINT:set quadtype
?LINT:set uquadtype
: Check if 64bit ints have a quad type
echo " "
echo "Checking which 64-bit integer type we could use..." >&4
?X: We prefer quad types in order of int, long, long long, int64_t.

```

```

case "$intsize" in
8) val=int
set quadtype
eval $setvar
val="unsigned int"
set uquadtype
eval $setvar
quadkind=1
;;
*) case "$longsize" in
8)
val=long
set quadtype
eval $setvar
val="unsigned long"
set uquadtype
eval $setvar
quadkind=2
;;
*) case "$d_longlong:$longlongsize" in
define:8)
val="long long"
set quadtype
eval $setvar
val="unsigned long long"
set uquadtype
eval $setvar
quadkind=3
;;

```

```

*) case "$d_int64_t" in
  define)
    val=int64_t
    set quadtype
    eval $setvar
    val=uint64_t
    set uquadtype
    eval $setvar
    quadkind=4
    ;;
  esac
  ;;
esac
;;
esac
;;
esac
;;
esac

```

```

case "$quadtype" in
) echo "Alas, no 64-bit integer types in sight." >&4
  d_quad="$undef"
  ;;
*) echo "We could use '$quadtype' for 64-bit integers." >&4
  d_quad="$define"
  ;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/a_dvisory/quadtype.U

```

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?RCS: \$Id: d\_getgrnam\_r.U,v 0RCS:

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?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_getgrnam\_r getgrnam\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads i\_grp extern\_C

?MAKE: -pick add \$@ %<

?S:d\_getgrnam\_r:

?S: This variable conditionally defines the HAS\_GETGRNAM\_R symbol,

?S: which indicates to the C program that the getgrnam\_r()

?S: routine is available.

?S:.

?S:getgrnam\_r\_proto:  
 ?S: This variable encodes the prototype of getgrnam\_r.  
 ?S: It is zero if d\_getgrnam\_r is undef, and one of the  
 ?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getgrnam\_r  
 ?S: is defined.  
 ?S:.  
 ?C:HAS\_GETGRNAM\_R:  
 ?C: This symbol, if defined, indicates that the getgrnam\_r routine  
 ?C: is available to  
 getgrnam re-entrantly.  
 ?C:.  
 ?C:GETGRNAM\_R\_PROTO:  
 ?C: This symbol encodes the prototype of getgrnam\_r.  
 ?C: It is zero if d\_getgrnam\_r is undef, and one of the  
 ?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getgrnam\_r  
 ?C: is defined.  
 ?C:.  
 ?H:#\$d\_getgrnam\_r HAS\_GETGRNAM\_R /\*\*/  
 ?H:#define GETGRNAM\_R\_PROTO \$getgrnam\_r\_proto /\*\*/  
 ?H:.  
 ?T:try hdrs d\_getgrnam\_r\_proto  
 : see if getgrnam\_r exists  
 set getgrnam\_r d\_getgrnam\_r  
 eval \$inlibc  
 case "\$d\_getgrnam\_r" in  
 "\$define")  
 hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_grp grp.h"  
 case "\$d\_getgrnam\_r\_proto:\$usetthreads" in  
 ":define") d\_getgrnam\_r\_proto=define  
 set d\_getgrnam\_r\_proto getgrnam\_r \$hdrs  
 eval \$hasproto ;;  
 \*) ;;  
 esac  
 case "\$d\_getgrnam\_r\_proto" in  
 define)  
 case "\$getgrnam\_r\_proto" in  
 "|0) try='int getgrnam\_r(const char\*, struct group\*, char\*, size\_t, struct group\*\*);'  
 ./protochk "\$extern\_C \$try" \$hdrs && getgrnam\_r\_proto=I\_CSBWR ;;  
 esac  
 case "\$getgrnam\_r\_proto" in  
 "|0) try='int getgrnam\_r(const char\*, struct group\*, char\*,  
 int, struct group\*\*);'  
 ./protochk "\$extern\_C \$try" \$hdrs && getgrnam\_r\_proto=I\_CSBIR ;;  
 esac  
 case "\$getgrnam\_r\_proto" in  
 "|0) try='struct group\* getgrnam\_r(const char\*, char\*, int);'  
 ./protochk "\$extern\_C \$try" \$hdrs && getgrnam\_r\_proto=S\_CBI ;;  
 esac

```

case "$getgrnam_r_proto" in
"|0) try='int getgrnam_r(const char*, struct group*, char*, int);'
./protochk "$extern_C $try" $hdrs && getgrnam_r_proto=I_CSBI ;;
esac
case "$getgrnam_r_proto" in
"|0) try='struct group* getgrnam_r(const char*, struct group*, char*, int);'
./protochk "$extern_C $try" $hdrs && getgrnam_r_proto=S_CSBI ;;
esac
case "$getgrnam_r_proto" in
"|0) d_getgrnam_r=undef
getgrnam_r_proto=0
echo "Disabling getgrnam_r, cannot determine prototype." >&4 ;;
*) case "$getgrnam_r_proto" in
REENTRANT_PROTO*) ;;
*) getgrnam_r_proto="REENTRANT_PROTO_$getgrnam_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usetthreads" in
define) echo "getgrnam_r has no prototype, not using it."
>&4 ;;
esac
d_getgrnam_r=undef
getgrnam_r_proto=0
;;
esac
;;
*) getgrnam_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_getgrnam_r.U
```

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?RCS:

?MAKE:d\_mkstemp: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_mkstemp:

?S: This variable conditionally defines the HAS\_MKSTEMPS symbol, which

?S: indicates to the C program that the mkstemp() routine is available

?S: to exclusively create and open a uniquely named (with a suffix)

?S: temporary file.

?S:.

?C:HAS\_MKSTEMPS :

?C: This symbol, if defined, indicates that the mkstemp routine is

?C: available to exclusively create and open a uniquely named

?C: (with a suffix) temporary file.

?C:.

?H:#\$d\_mkstemp HAS\_MKSTEMPS /\*\*/

?H:.

?LINT:set d\_mkstemp

: see if mkstemp exists

set mkstemp d\_mkstemp

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_mkstemp.U

No license file was found, but licenses were detected in source scan.

/\*

\* \$Id: setsid.C,v 3.0.1.1 1994/01/24 13:58:47 ram Exp ram \$

\*

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\*

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\* of the source tree for dist 4.0.

\*

\* \$Log: setsid.C,v \$

\* Revision 3.0.1.1 1994/01/24 13:58:47 ram

\* patch16: created

\*

\*/

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/C/fake/setsid.C

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_nice.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: d\_nice.U,v \$  
?RCS: Revision 3.0.1.1 1994/08/29 16:09:48 ram  
?RCS: patch32: created by ADO  
?RCS:  
?MAKE:d\_nice: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_nice:  
?S: This variable conditionally defines the HAS\_NICE symbol, which  
?S: indicates to the C program that the nice() routine is available.  
?S:.  
?C:HAS\_NICE :  
?C: This symbol, if defined, indicates that the nice routine is  
?C: available.  
?C:.  
?H:#\$d\_nice  
HAS\_NICE /\*\*/  
?H:.  
?LINT:set d\_nice  
: see if nice exists  
set nice d\_nice  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_nice.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_sighold.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_sighold.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:07:21 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:

?MAKE:d\_sighold: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_sighold:  
?S: This variable conditionally defines HAS\_SIGHOLD if sighold() is  
?S: available to hold signals.  
?S:.  
?C:HAS\_SIGHOLD:  
?C: This symbol, if defined, indicates that the sighold routine is  
?C: available to hold signals.  
?C:.  
?H:#\$d\_sighold HAS\_SIGHOLD /\*\*/  
?H:.  
?LINT:set d\_sighold  
:  
  see if sighold exists  
set sighold d\_sighold  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_sighold.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fsync: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fsync:

?S: This variable conditionally defines the HAS\_FSYNC symbol, which

?S: indicates to the C program that the fsync() routine is available.

?S:.

?C:HAS\_FSYNC:

?C: This symbol, if defined, indicates that the fsync routine is

?C: available to write a file's modified data and attributes to

?C: permanent storage.

?C:.

?H:#\$d\_fsync HAS\_FSYNC /\*\*/  
?H:.

?LINT:set d\_fsync

: see if fsync exists

set fsync d\_fsync

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fsync.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_strtol.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_strtol.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:39 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_strtol: Inlibc

?MAKE: -pick add @\$ %<

?S:d\_strtol:

?S: This variable conditionally defines the HAS\_STRTOL symbol, which

?S: indicates to the C program that the strtol() routine is available

?S: to provide better numeric string conversion than atoi() and friends.

?S:.

?C:HAS\_STRTOL (STRTOL):

?C: This symbol, if defined, indicates that

the strtol routine is available

?C: to provide better numeric string conversion than atoi() and friends.

?C:.

?H:#\$d\_strtol HAS\_STRTOL /\*\*/

?H:.

?LINT:set d\_strtol

: see if strtol exists

set strtol d\_strtol

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_strtol.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_htonl.U,v \$

?RCS: Revision 3.0.1.2 1994/08/29 16:09:25 ram

?RCS: patch32: now properly handles htonl() and friends when macros (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 14:45:00 ram

?RCS: patch23: now also check for htonl() macro (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:06:22 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_htonl: Inlibc Setvar i\_niin i\_sysin cat rm contains \  
 cppstdin cppflags cppminus

?MAKE: -pick add \$@ %<

?S:d\_htonl:

?S: This variable conditionally  
 defines HAS\_HTONL if htonl() and its  
 friends are available to do network order byte swapping.

?S:.

?C:HAS\_HTONL (HTONL):

?C: This symbol, if defined, indicates that the htonl() routine (and  
 friends htons() ntohl() ntohs()) are available to do network  
 order byte swapping.

?C:.

?C:HAS\_HTONS (HTONS):

?C: This symbol, if defined, indicates that the htons() routine (and  
 friends htonl() ntohl() ntohs()) are available to do network  
 order byte swapping.

?C:.

?C:HAS\_NTOHL (NTOHL):

?C: This symbol, if defined, indicates that the ntohl() routine (and  
 friends htonl() htons() ntohs()) are available to do network  
 order byte swapping.

?C:.

?C:HAS\_NTOHS (NTOHS):

?C: This symbol, if defined, indicates that the ntohs() routine (and  
 friends htonl() htons() ntohl()) are available to do network  
 order byte swapping.

?C:.

?H:#\$d\_htonl HAS\_HTONL /\*\*/  
 ?H:#\$d\_htonl HAS\_HTONS /\*\*/  
 ?H:#\$d\_htonl HAS\_NTOHL /\*\*/  
 ?H:#\$d\_htonl HAS\_NTOHS /\*\*/  
 ?H:.

```

?F:!htonl.c
?LINT:set d_htonl
:
  see if htonl --and friends-- exists
val=""
set htonl val
eval $inlibc

: Maybe they are macros.
case "$val" in
$undef)
  $cat >htonl.c <<EOM
#include <stdio.h>
#include <sys/types.h>
#$i_niin I_NETINET_IN
#$i_sysin I_SYS_IN
#ifdef I_NETINET_IN
#include <netinet/in.h>
#endif
#ifdef I_SYS_IN
#include <sys/in.h>
#endif
#ifdef htonl
printf("Defined as a macro.");
#endif
EOM
$cpstdin $cppflags $cppminus < htonl.c >htonl.E 2>/dev/null
if $contains 'Defined as a macro' htonl.E >/dev/null 2>&1; then
  val="$define"
  echo "But it seems to be defined as a macro." >&4
fi
$rm -f htonl.?
;;
esac
set d_htonl
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_htonl.U

```

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?RCS: \$Id\$

?RCS:

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```
?RCS:
?MAKE:default_inc_excludes_dot: Myread cat
?MAKE: -pick add $@ %<
?S:default_inc_excludes_dot:
?S: When defined, remove the legacy '.' from @INC
?S:.
?C:DEFAULT_INC_EXCLUDES_DOT:
?C: This symbol, if defined, removes the legacy default behavior of
?C: including '.' at the end of @INC.
?C:.
?H:#$default_inc_excludes_dot DEFAULT_INC_EXCLUDES_DOT /**/
?H:.
: Include . in @INC
$cat <<EOM
```

Historically Perl has provided a final fallback of the current working directory '.' when searching for a library. This, however, can lead to problems when a Perl program which loads optional modules is called from a shared directory. This can lead to executing unexpected code.

EOM

```
# When changing to exclude by
default:
case "$default_inc_excludes_dot" in
  $undef|false|[nN]*) dflt="n" ;;
  *) dflt="y" ;;
esac
# To turn exclude off by default:
#case "$default_inc_excludes_dot" in
#  $define|true|[yY]*) dflt="y" ;;
#  *) dflt="n" ;;
#esac

rp='Exclude '.' from @INC by default? '
./myread
case "$ans" in
  [nN]|undef) default_inc_excludes_dot="$undef" ;;
  *) default_inc_excludes_dot="$define" ;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/defaultincdot.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: errnolist.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 15:48:01 ram

?RCS: patch61: replaced .a with \$\_a all over the place

?RCS: patch61: likewise for .o replaced by \$\_o

?RCS:

?RCS: Revision 3.0.1.1 1994/01/24 14:10:54 ram

?RCS: patch16: created

?RCS:

?MAKE:errnolist errnolist\_SH errnolist\_a errnolist\_c errnolist\_o: cat +cc \  
+ccflags +libs +d\_sysernlst \_a \_o

?MAKE: -pick add \$@ %<

?S:errnolist:

?S: This variable holds the base name of a file containing the  
?S: definition of the sys\_errnolist  
array, if the C library

?S: doesn't provide it already. Otherwise, its value is empty.

?S: The following lines should be included in your Makefile.SH:

?S:

?S: case "\$serrnolist" in

?S: ") ;;

?S: \*)

?S: \$spitshell >>Makefile <<!GROK!THIS!

?S: \$serrnolist\_c: \$serrnolist\_SH \$serrnolist\_a

?S: sh ./serrnolist\_SH

?S:

?S: !GROK!THIS!

?S: ;;

?S: esac

?S:

?S: You may define the 'errnolist' variable in your Myinit.U if you  
?S: wish to override its default value "errnolist".

?S:.

?S:errnolist\_SH:

?S: This is the name of a file which will generate errnolistic.

?S:.

?S:errnolist\_a:

?S: This is the name of the awk script called by errnolist\_SH.

?S:.

?S:errnolist\_c:

?S: This is the name of a generated C file which provides the

?S: definition of the sys\_errnolist array.

?S:.

?S:errnolist\_o:

?S: This is the name of the object file which provides the

?S: definition of the sys\_errnolist array, if the C library

?S: doesn't provide it already. Otherwise, its value is empty.

?S:.

```
?INIT:errnolist=errnolist
:
check for sys_errnolist
@if d_sysernlst || HAS_SYS_ERRNOLIST
case "$d_sysernlst" in
"$define")
errnolist="
errnolist_SH="
errnolist_a="
errnolist_c="
errnolist_o="
;;
*)
echo " "
echo "I'll make sure your Makefile provides sys_errnolist in $errnolist.c"
errnolist_SH=$errnolist.SH
errnolist_a=$errnolist$_a
errnolist_c=$errnolist.c
errnolist_o=$errnolist$_o
;;
esac
@else
echo " "
$cat <<EOM
Checking to see if your C library provides us with sys_errnolist[...]
EOM
$cat >errnolist.c <<'EOCP'
extern char *sys_errnolist[];
int main() {
char *p0 = sys_errnolist[0];
char *p1 = sys_errnolist[1];

return (p0 == p1); /* Make sure they're not optimized away */
}
EOCP
if $cc $ccflags -o errnolist errnolist.c $libs >/dev/null 2>&1 ; then
echo "It does."
errnolist="
errnolist_SH="
errnolist_a="
errnolist_c="
```



```
errnolist_o="
else
echo "I'll make sure your Makefile provides sys_errnolist in $errnolist.c"

errnolist_SH=$errnolist.SH
errnolist_a=$errnolist$_a
errnolist_c=$errnolist.c
errnolist_o=$errnolist$_o
fi
@end
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/errnolist.U
```

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?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_erf: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_erf:

?S: This variable conditionally defines the HAS\_ERF symbol, which

?S: indicates to the C program that the erf() routine is available.

?S:.

?C:HAS\_ERF:

?C: This symbol, if defined, indicates that the erf routine is

?C: available to do the error function.

?C:.

?H:#\$d\_erf HAS\_ERF /\*\*/

?H:.

?LINT:set d\_erf

: see if erf exists

set erf d\_erf

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_erf.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: vendorarch.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera \$

?RCS:

?RCS: Copyright (c) 1999, Andy Dougherty

?RCS:

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?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: vendorarch.U,v \$  
?RCS: Revision 1.1 1999/07/08 18:32:57 doughera  
?RCS: Initial revision  
?RCS:  
?MAKE:d\_vendorarch vendorarch vendorarchexp installvendorarch: sed Getfile \  
Setprefixvar Oldconfig Prefixit archname vendorlib vendorprefix test  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?S:vendorarch:  
?S: This variable contains the value of the PERL\_VENDORARCH symbol.  
?S: It may have a ~ on the front.  
?S: The standard distribution will put nothing in this directory.  
?S: Vendors  
who distribute perl may wish to place their own  
?S: architecture-dependent modules and extensions in this directory with  
?S: MakeMaker Makefile.PL INSTALLDIRS=vendor  
?S: or equivalent. See INSTALL for details.  
?S:.  
?S:vendorarchexp:  
?S: This variable is the ~name expanded version of vendorarch, so that you  
?S: may use it directly in Makefiles or shell scripts.  
?S:.  
?D:installvendorarch="  
?S:installvendorarch:  
?S: This variable is really the same as vendorarchexp but may differ on  
?S: those systems using AFS. For extra portability, only this variable  
?S: should be used in makefiles.  
?S:.  
?S:d\_vendorarch:  
?S: This variable conditionally defined PERL\_VENDORARCH.  
?S:.  
?C:PERL\_VENDORARCH:  
?C: If defined, this symbol contains the name of a private library.  
?C: The library is private in the sense that it needn't be in anyone's  
?C: execution path, but it should be accessible by the world.  
?C: It may have a ~ on the front.  
?C: The standard distribution will put nothing in this  
directory.  
?C: Vendors who distribute perl may wish to place their own  
?C: architecture-dependent modules and extensions in this directory with  
?C: MakeMaker Makefile.PL INSTALLDIRS=vendor  
?C: or equivalent. See INSTALL for details.  
?C:.  
?C:PERL\_VENDORARCH\_EXP:  
?C: This symbol contains the ~name expanded version of PERL\_VENDORARCH, to be used

?C: in programs that are not prepared to deal with ~ expansion at run-time.

?C:.

?H:#\$d\_vendorarch PERL\_VENDORARCH "\$vendorarch" /\*\*/

?H:#\$d\_vendorarch PERL\_VENDORARCH\_EXP "\$vendorarchexp" /\*\*/

?H:.

?LINT:change prefixvar

?LINT:set installvendorarch

: Set the vendorarch variables

case "\$vendorprefix" in

) d\_vendorarch="\$undef"

vendorarch="

vendorarchexp="

::

\*) d\_vendorarch="\$define"

: determine where vendor-supplied architecture-dependent libraries go.

: vendorlib default is /usr/local/lib/perl5/vendor\_perl/\$version

: vendorarch default is /usr/local/lib/perl5/vendor\_perl/\$version/\$archname

: vendorlib may have an optional trailing

/share.

case "\$vendorarch" in

) dflt=`echo \$vendorlib | \$sed 's,/share\$,,'`

dflt="\$dflt/\$archname"

::

\*) dflt="\$vendorarch" ;;

esac

fn=d~+

rp='Pathname for vendor-supplied architecture-dependent files?'

./getfile

vendorarch="\$ans"

vendorarchexp="\$ansexp"

::

esac

prefixvar=vendorarch

./installprefix

if \$test X"\$vendorarch" = X"\$vendorlib"; then

d\_vendorarch="\$undef"

else

d\_vendorarch="\$define"

fi

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/vendorarch.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_readdir64\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.  
?RCS:  
?MAKE:d\_readdir64\_r readdir64\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_dirent extern\_C  
?MAKE: -pick add \$@ %<  
?S:d\_readdir64\_r:  
?S: This variable conditionally defines the HAS\_READDIR64\_R symbol,  
?S: which indicates to the C program that the readdir64\_r()  
?S: routine is available.  
?S:.  
?S:readdir64\_r\_proto:  
?S: This variable encodes the prototype of readdir64\_r.  
?S: It is zero if d\_readdir64\_r is undef, and one of the  
?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_readdir64\_r  
?S: is defined.  
?S:.  
?C:HAS\_READDIR64\_R:  
?C: This symbol, if defined, indicates that the readdir64\_r routine  
?C: is  
available to readdir64 re-entrantly.  
?C:.  
?C:READDIR64\_R\_PROTO:  
?C: This symbol encodes the prototype of readdir64\_r.  
?C: It is zero if d\_readdir64\_r is undef, and one of the  
?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_readdir64\_r  
?C: is defined.  
?C:.  
?H:#\$d\_readdir64\_r HAS\_READDIR64\_R /\*\*/  
?H:#define READDIR64\_R\_PROTO \$readdir64\_r\_proto /\*\*/  
?H:.  
?T:try hdrs d\_readdir64\_r\_proto  
: see if readdir64\_r exists  
set readdir64\_r d\_readdir64\_r  
eval \$inlibc  
case "\$d\_readdir64\_r" in  
"\$define")  
hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_dirent dirent.h"  
case "\$d\_readdir64\_r\_proto:\$usethreads" in  
":define") d\_readdir64\_r\_proto=define  
set d\_readdir64\_r\_proto readdir64\_r \$hdrs  
eval \$hasproto ;;  
\*) ;;  
esac  
case "\$d\_readdir64\_r\_proto" in  
define)

```

case "$readdir64_r_proto" in
"|0) try='int readdir64_r(DIR*, struct dirent64*, struct dirent64**);'
./protochk "$extern_C $try" $hdrs && readdir64_r_proto=I_TSR ;;
esac
case "$readdir64_r_proto" in
"|0) try='int readdir64_r(DIR*,
struct dirent64*);'
./protochk "$extern_C $try" $hdrs && readdir64_r_proto=I_TS ;;
esac
case "$readdir64_r_proto" in
"|0) d_readdir64_r=undef
readdir64_r_proto=0
echo "Disabling readdir64_r, cannot determine prototype." >&4 ;;
*) case "$readdir64_r_proto" in
REENTRANT_PROTO*) ;;
*) readdir64_r_proto="REENTRANT_PROTO_${readdir64_r_proto}" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "readdir64_r has no prototype, not using it." >&4 ;;
esac
d_readdir64_r=undef
readdir64_r_proto=0
;;
esac
;;
*) readdir64_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_readdir64_r.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_strerror.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_strerror.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:33 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_strcspn: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_strcspn:  
?S: This variable conditionally defines the HAS\_STRCSPN symbol, which  
?S: indicates to the C program that the strcspn() routine is available  
?S: to scan strings.  
?S:.  
?C:HAS\_STRCSPN (STRCSPN):  
?C: This symbol, if defined, indicates that the strcspn routine is  
?C: available to scan  
strings.  
?C:.  
?H:#\$d\_strcspn HAS\_STRCSPN /\*\*/  
?H:.  
?LINT:set d\_strcspn  
: see if strcspn exists  
set strcspn d\_strcspn  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_strcspn.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 2003 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_copysignl: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_copysignl:  
?S: This variable conditionally defines the HAS\_COPYSIGNL symbol, which  
?S: indicates to the C program that the copysignl() routine is available.  
?S: If aintl is also present we can emulate modfl.  
?S:.  
?C:HAS\_COPYSIGNL:  
?C: This symbol, if defined, indicates that the copysignl routine is  
?C: available. If aintl is also present we can emulate modfl.  
?C:.  
?H:#\$d\_copysignl HAS\_COPYSIGNL /\*\*/  
?H:.  
?LINT:set d\_copysignl

```
: see if copysignl exists
set copysignl d_copysignl
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_copysignl.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_socks.U,v $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:i_socks: Inhdr Hasfield
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_socks:
```

```
?S: This variable conditionally defines the I_SOCKS symbol, and indicates
```

```
?S: whether a C program should include <socks.h>.
```

```
?S:.
```

```
?C:I_SOCKS:
```

```
?C: This symbol, if defined, indicates that <socks.h> exists and
```

```
?C: should be included.
```

```
?C:.
```

```
?H:#$i_socks I_SOCKS /**/
```

```
?H:.
```

```
?LINT:set i_socks
```

```
: see if this is a socks.h system
```

```
set socks.h i_socks
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_socks.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_raster.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
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```

```
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```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```

?RCS: $Log: d_raster.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:50 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_raster rasterlib: cat test Setvar Myread Oldconfig
?MAKE: -pick add $@ %<
?S:d_raster:
?S: Conditionally defines RASTER_TEK if this is a raster tech machine.
?S:.
?S:rasterlib (d_rasterlib):
?S: Set to the needed compile flag if this is a raster tech machine.
?S: It is up to the Makefile to use this variable.
?S:.
?C:RASTER_TEK:
?C: Defined
    if this is a rastertech machine.
?C:.
?H:#$d_raster RASTER_TEK /**/
?H:.
?LINT:set d_raster
: See if this is a raster tech machine.
val="$undef"
rasterlib="
if $test -r /dev/mirage; then
$cat <<'EOM'

```

You seem to have a mirage device... this is normally associated with a raster technologies graphics workstation. If this is right, you may want to use raster tech in this program.

```

EOM
dflt=y
case "$d_raster" in
"$undef") dflt=n;;
esac
rp='Use raster tech?'
./myread
case "$ans" in
y*) val="$define";;
esac
fi
set d_raster
eval $setvar

case "$d_raster" in
"$define") rasterlib='-lphigs';;
esac

```



Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_raster.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_sysmman.U,v \$

?RCS: Revision 3.0.1.1 1994/01/24 14:11:20 ram

?RCS: patch16: created

?RCS:

?X:

?X: Look wether <sys/mman.h> needs to be included.

?X:

?MAKE:i\_sysmman: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_sysmman:

?S: This variable conditionally defines the I\_SYS\_MMAN symbol,

?S: and indicates whether a C program should include <sys/mman.h>.

?S:.

?C:I\_SYS\_MMAN:

?C: This symbol, if defined, indicates to the C program that it should

?C: include <sys/mman.h>.

?C:.

?H:#\$i\_sysmman I\_SYS\_MMAN /\*\*/

?H:.

?LINT:set

i\_sysmman

: see if sys/mman.h has to be included

set sys/mman.h i\_sysmman

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_sysmman.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: Init.U,v \$  
?RCS: Revision 3.0.1.1 1994/10/31 09:45:59 ram  
?RCS: patch44: removed Options from MAKE to prevent Init overrides  
?RCS: patch44: option processing now done after Myinit thanks to new Begin.U  
?RCS: patch44: moved "Beginning of configuration questions" to Begin.U  
?RCS: patch44: moved signal trapping instruction to Begin.U as well  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:02 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This file initializes certain default variables  
used by Configure. They  
?X: may be overridden or added to by definitions in Myinit.U.  
?X:  
?MAKE:Init eunicefix \_exe: Null  
?MAKE: -pick add \$@ %<  
?MAKE: -pick weed \$@ ./Init  
?S:eunicefix:  
?S: When running under Eunice this variable contains a command which will  
?S: convert a shell script to the proper form of text file for it to be  
?S: executable by the shell. On other systems it is a no-op.  
?S:.  
?S:\_exe (exe\_ext):  
?S: This variable defines the extension used for executable files.  
?S: For unix it is empty. Other possible values include '.exe'.  
?S: DJGPP, Cygwin and OS/2 use '.exe'. Stratus VOS uses '.pm'.  
?S: On operating systems which do not require a specific extension  
?S: for executable files, this variable is empty.  
?S:.  
?V:define undef smallmach:rmlist  
?X:  
?X: Throughout the units, one may make use of \$define and \$undef to reference  
?X: a defined symbol or an undefined one. There is no need to add them in  
?X: the dependency line since this unit makes them visible via ?V:, and  
?X:  
everyone inherits from those symbols since by convention Init.U is the  
?X: root dependency.  
?X:  
?T: DJGPP  
: Initialize wide constants

```
define='define'  
undef='undef'  
smallmach='pdp11 i8086 z8000 i80286 iAPX286'  
rmlist=""
```

```
: We must find out about Eunice early
```

```
eunicefix=':'
```

```
if test -f /etc/unixtovms; then
```

```
    eunicefix=/etc/unixtovms
```

```
fi
```

```
if test -f /etc/unixtovms.exe; then
```

```
    eunicefix=/etc/unixtovms.exe
```

```
fi
```

```
: Set executable suffix now -- needed before hints available
```

```
if test -f "/libs/version.library"; then
```

```
    : Amiga OS
```

```
    _exe=""
```

```
elif test -f "/system/gnu_library/bin/ar.pm"; then
```

```
    : Stratus VOS
```

```
    _exe=".pm"
```

```
elif test -n "$DJGPP"; then
```

```
    : DOS DJGPP
```

```
    _exe=".exe"
```

```
elif test -d c:/.; then
```

```
    : OS/2 or cygwin
```

```
    _exe=".exe"
```

```
else
```

```
    : All other UNIX systems
```

```
    _exe=""
```

```
fi
```

```
Found in path(s):
```

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Init.U
```

```
No license file was found, but licenses were detected in source scan.
```

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:d_strtold: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_strtold:
```

```
?S: This variable conditionally defines the HAS_STRTOLD symbol, which
```

?S: indicates to the C program that the strtold() routine is available.

?S:.

?C:HAS\_STRTOLD:

?C: This symbol, if defined, indicates that the strtold routine is

?C: available to convert strings to long doubles.

?C:.

?H:#\$d\_strtold HAS\_STRTOLD /\*\*/

?H:.

?LINT:set d\_strtold

: see if strtold exists

set strtold d\_strtold

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_strtold.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_malloc.U,v 3.5 2008/03/29 14:06:51 merijn Exp \$

?RCS:

?RCS: Copyright (c) 2008, H.Merijn Brand

?RCS:

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?RCS: of the source tree for dist 3.5.

?RCS:

?MAKE:i\_mallocmalloc: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_mallocmalloc:

?S: This variable conditionally defines the I\_MALLOCMALLOC symbol,

?S: and indicates whether a C program should include <malloc/malloc.h>.

?S:.

?C:I\_MALLOCMALLOC:

?C: This symbol, if defined, indicates to the C program that it should

?C: include <malloc/malloc.h>.

?C:.

?H:#\$i\_mallocmalloc I\_MALLOCMALLOC /\*\*/

?H:.

?LINT:set i\_mallocmalloc

: see if malloc/malloc.h has to be included

set malloc/malloc.h i\_mallocmalloc

eval

\$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/perl/i\_mallocmalloc.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_syswait.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_syswait.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:42 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit looks wether <sys/wait.h> is available or not
?X:
?MAKE:i_syswait: Inhdr
?MAKE: -pick add $@ %<
?S:i_syswait:
?S: This variable conditionally defines I_SYS_WAIT, which indicates
?S: to the C program that it should include <sys/wait.h>.
?S:.
?C:I_SYS_WAIT (I_SYSWAIT):
?C: This symbol, if defined, indicates to the C program
that it should
?C: include <sys/wait.h>.
?C:.
?H:#$i_syswait I_SYS_WAIT /**/
?H:.
?LINT:set i_syswait
: see if this is a syswait system
set sys/wait.h i_syswait
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_syswait.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_execinfo.U 34 2010-11-27 11:55:39Z rmanfredi $
?RCS:
?RCS: Copyright (c) 2011, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
```

?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.

?RCS:

?MAKE:i\_execinfo: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_execinfo:

?S: This variable conditionally defines the I\_EXECINFO symbol, and indicates

?S: whether a C program may include <execinfo.h>, for backtrace() support.

?S:.

?C:I\_EXECINFO:

?C: This symbol, if defined, indicates to the C program that it should

?C: include <execinfo.h> for backtrace() support.

?C:.

?H:#\$i\_execinfo I\_EXECINFO /\*\*/

?H:.

?LINT:set i\_execinfo

: see if this is an execinfo.h system

set execinfo.h i\_execinfo

eval

\$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/i\_execinfo.U

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_nearbyint: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_nearbyint:

?S: This variable conditionally defines HAS\_NEARBYINT if nearbyint()

?S: is available to return the integral value closest to (according to

?S: the current rounding mode) to x.

?S:.

?C:HAS\_NEARBYINT:

?C: This symbol, if defined, indicates that the nearbyint routine is

?C: available to return the integral value closest to (according to

?C: the current rounding mode) to x.

?C:.

?H:#\$d\_nearbyint HAS\_NEARBYINT /\*\*/

?H:.

?LINT:set d\_nearbyint

: see if nearbyint exists

set nearbyint d\_nearbyint

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_nearbyint.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getprotoprotos.U,v \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_getprotoprotos : Hasproto i\_netdb

?MAKE: -pick add \$@ %<

?S:d\_getprotoprotos:

?S: This variable conditionally defines the HAS\_GETPROTO\_PROTOS symbol,

?S: which indicates to the C program that <netdb.h> supplies

?S: prototypes for the various getproto\*() functions.

?S: See also netdbtype.U for probing for various netdb types.

?S:.

?C:HAS\_GETPROTO\_PROTOS:

?C: This symbol, if defined, indicates that <netdb.h> includes

?C: prototypes for getprotoent(), getprotobyname(), and

?C: getprotobyaddr().

Otherwise, it is up to the program to guess

?C: them. See netdbtype.U for probing for various Netdb\_xxx\_t types.

?C:.

?H:#\$d\_getprotoprotos HAS\_GETPROTO\_PROTOS /\*\*/

?H:.

?LINT:set d\_getprotoprotos

: see if prototypes for various getprotoxxx netdb.h functions are available

echo " "

set d\_getprotoprotos getprotoent \$i\_netdb netdb.h

eval \$hasproto

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/d\_getprotoprotos.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: usrinc.U,v \$  
?RCS: Revision 3.0.1.3 1997/02/28 16:27:12 ram  
?RCS: patch61: don't ask for the include path unless they are on a MIPS  
?RCS:  
?RCS: Revision 3.0.1.2 1995/05/12 12:24:36 ram  
?RCS: patch54: ensure that ./mips always exists (ADO)  
?RCS:  
?RCS: Revision 3.0.1.1 1994/05/06 15:18:31 ram  
?RCS: patch23: ensure usrinc value is preserved across sessions (WED)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:58 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:usrinc incpath mips\_type:  
test cat echo n c Getfile Guess \  
Oldconfig eunicefix contains rm  
?MAKE: -pick add \$@ %<  
?S:usrinc:  
?S: This variable holds the path of the include files, which is  
?S: usually /usr/include. It is mainly used by other Configure units.  
?S:.  
?S:incpath:  
?S: This variable must precede the normal include path to get the  
?S: right one, as in "\$incpath/usr/include" or "\$incpath/usr/lib".  
?S: Value can be "" or "/bsd43" on mips.  
?S:.  
?S:mips\_type:  
?S: This variable holds the environment type for the mips system.  
?S: Possible values are "BSD 4.3" and "System V".  
?S:.  
?D:usrinc='/usr/include'  
?LINT:create mips  
?T:xxx\_prompt  
?F:./mips  
: What should the include directory be ?  
echo " "  
\$echo \$n "Hmm... \$c"  
dflt='/usr/include'  
incpath=""  
?X: mips\_type is used later, to add -DSYSTYPE\_BSD43 to cppflags if needed.  
mips\_type=""



?X:

?X: Cannot put the following in Guess, or we get a circular dependency.

?X:

```
if $test -f /bin/mips && /bin/mips; then
echo "Looks like a MIPS system..."
$cat >usr.c
<<'EOCP'
#ifdef SYSTYPE_BSD43
/bsd43
#endif
EOCP
if cc -E usr.c >usr.out && $contains /usr.out >/dev/null 2>&1; then
dflt='/bsd43/usr/include'
incpath='/bsd43'
mips_type='BSD 4.3'
else
mips_type='System V'
fi
$rm -f usr.c usr.out
echo "and you're compiling with the $mips_type compiler and libraries."
xxx_prompt=y
echo "exit 0" >mips
else
echo "Doesn't look like a MIPS system."
xxx_prompt=n
echo "exit 1" >mips
fi
chmod +x mips
$unicefix mips
case "$usrinc" in
") ;;
*) dflt="$usrinc";;
esac
case "$xxx_prompt" in
y) fn=d/
echo " "
rp='Where are the include files you want to use?'
./getfile
usrinc="$ans"
;;
*) usrinc="$dflt"
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/usrinc.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libyacc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libyacc.U,v $
?RCS: Revision 3.0.1.4 1997/02/28 16:09:19 ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0.1.3 1994/05/13 15:27:12 ram
?RCS: patch27: added byacc case (ADO)
?RCS:
?RCS: Revision 3.0.1.2 1994/05/06 15:09:01 ram
?RCS: patch23: now uses full library path instead of -l notation
?RCS:
?RCS: Revision 3.0.1.1 1994/01/24 14:13:49 ram
?RCS: patch16: un-obsolete this unit for smooth yacc compilations
?RCS:
?RCS:
Revision 3.0 1993/08/18 12:09:04 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libyacc: Loc yacc libpth _a
?MAKE: -pick add $@ %<
?S:libyacc:
?S: This variable contains the argument to pass to the loader in order
?S: to get the yacc library routines. If there is no yacc or yacc
?S: library, it is null.
?S:.
?T:xxx
: see if we should include -ly
echo " "
case "$yacc" in
*byacc*)
echo "You are using byacc, so I won't look for a yacc library." >&4
libyacc="
;;
*yacc)
xxx=`./loc liby$_a x $libpth`
case "$xxx" in
x)
```

```

echo "No yacc library found." >&4
libyacc="
;;
*)
echo "yacc library found in $xxx." >&4
libyacc="$xxx"
;;
esac
;;
*bison*)
echo "You are using bison, so I won't look for a yacc library." >&4
libyacc="
;;
*)
echo "You don't seem to have yacc, so I won't look for the yacc library." >&4
libyacc="
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/libyacc.U
```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: Options.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Options.U,v $
?RCS: Revision 3.0.1.7 1997/02/28 15:08:15 ram
?RCS: patch61: optdef.sh now starts with a "startsh"
?RCS: patch61: moved some code from Head.U
?RCS:
?RCS: Revision 3.0.1.6 1995/09/25 09:14:46 ram
?RCS: patch59: protected option parsing code against 'echo -*' option failure
?RCS:
?RCS: Revision 3.0.1.5 1995/05/12 12:04:52 ram
?RCS: patch54: added -K option for experts
?RCS:
?RCS: Revision 3.0.1.4 1995/01/30 14:27:52 ram
?RCS:

```

patch49: this unit now exports file optdef.sh, not a variable

?RCS:

?RCS: Revision 3.0.1.3 1995/01/11 15:19:00 ram

?RCS: patch45: new -O option allowing -D and -U to override config.sh settings

?RCS: patch45: file optdef.sh is no longer removed after sourcing

?RCS:

?RCS: Revision 3.0.1.2 1994/10/29 15:58:06 ram

?RCS: patch36: ensure option definition file is removed before appending

?RCS: patch36: protect variable definitions with spaces in them

?RCS:

?RCS: Revision 3.0.1.1 1994/06/20 06:55:44 ram

?RCS: patch30: now uses new me symbol to tag error messages

?RCS: patch30: new -D and -U options to define/undef symbols (JHI)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:14 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: Command line parsing. It is really important that the variables used here

?X: be not listed in the MAKE line, or they will be saved in config.sh and

?X: loading this file to fetch default answers would clobber the values set

?X: herein.

?X:

?MAKE:Options:

startsh

?MAKE: -pick wipe \$@ %<

?V:reuseval alldone error realsilent silent extractsh fastread \

knowitall: config\_sh

?T:arg argn symbol config\_arg0 config\_args config\_argc xxx yyy zzz uuu

?T:args\_exp args\_sep arg\_exp cflags

?F:!Configure

?F:./optdef.sh ./cmdline.opt ./posthint.sh ./cmdl.opt

: Save command line options in file UU/cmdline.opt for later use in

: generating config.sh.

?X: This temporary file will be read by Oldsym.U. I used a temporary

?X: file to preserve all sorts of potential command line quotes and

?X: also because we don't know in advance how many variables we'll

?X: need, so I can't actually declare them on the MAKE line.

?X: The config\_args variable won't be quite correct if Configure is

?X: fed something like ./Configure -Dcc="gcc -B/usr/ccs/bin/"

?X: since the quotes are gone by the time we see them. You'd have to

?X: reconstruct the command line from the config\_arg? lines, but since

?X: I don't imagine anyone actually having to do that, I'm not going

?X:

to worry too much.

cat > cmdline.opt <<EOSH

: Configure command line arguments.

config\_arg0='\$0'

```

config_args='$*'
config_argc=$#
EOSH
argn=1
args_exp=""
args_sep=""
for arg in "$@"; do
    cat >>cmdline.opt <<EOSH
config_arg$argn='$arg'
EOSH
?X: Extreme backslashitis: replace each ' by """"
cat <<EOC | sed -e "s/'/''''''''''''''''/g" > cmdl.opt
$arg
EOC
arg_exp=`cat cmdl.opt`
args_exp="$args_exp$args_sep'$arg_exp'"
argn=`expr $argn + 1`
args_sep=' '
done
?X: args_exp is good for restarting self: eval "set X $args_exp"; shift; $0 "$@"
?X: used by hints/os2.sh in Perl, for instance
rm -f cmdl.opt

```

```

: produce awk script to parse command line options
cat >options.awk <<'EOF'
BEGIN {
    optstr = "A:dD:eEf:hKOrsSU:V"; # getopt-style specification

```

```

    len = length(optstr);
    for (i = 1; i <= len; i++) {
        c = substr(optstr, i, 1);
?X: some older awk's do not have the C ?: construct
        if (i < len) a = substr(optstr, i + 1, 1); else a = "";
        if (a == ":") {
            arg[c] = 1;
            i++;
        }
        opt[c]
        = 1;
    }
}
{
    expect = 0;
    str = $0;
    if (substr(str, 1, 1) != "-") {
        printf("%s\n", str);
        next;
    }
}

```

```

len = length($0);
for (i = 2; i <= len; i++) {
  c = substr(str, i, 1);
  if (!opt[c]) {
    printf("-%s\n", substr(str, i));
    next;
  }
  printf("-%s\n", c);
  if (arg[c]) {
    if (i < len)
      printf("%s\n", substr(str, i + 1));
    else
      expect = 1;
    next;
  }
}
}
}
END {
  if (expect)
    print "?";
}
EOF

```

: process the command line options

?X: Use "\$@" to keep arguments with spaces in them from being split apart.

?X: For the same reason, awk will output quoted arguments and the final eval

?X: removes them and sets a proper \$\* array. An 'X' is prepended to each

?X: argument before being fed to echo to guard against 'echo -x', where -x

?X: would be understood as an echo option! It is removed before feeding awk.

```
set X `for arg in "$@"; do echo "X$arg"; done |
```

```
sed -e s/X// | awk -f options.awk`
```

```
eval "set $*"
```

```
shift
```

```
rm -f options.awk
```

: set up default values

```
fastread=""
```

```
reuseval=false
```

```
config_sh=""
```

```
alldone=""
```

```
error=""
```

```
silent=""
```

```
extractsh=""
```

```
knowitall=""
```

```
rm
```

```
-f optdef.sh posthint.sh
```

```
cat >optdef.sh <<EOS
```

```
$startsh
```

EOS

?X:

?X: Given that we now have the possibility to execute Configure remotely

?X: thanks to the new src.U support, we have to face the possibility

?X: of having to ask where the source lie, which means we need the Myread.U

?X: stuff and possibly other things that might echo something on the

?X: screen...

?X:

?X: That's not pretty, and might be confusing in 99% of the time. So...

?X: We introduce a new realsilent variable which is set when -s is given,

?X: and we force silent=true if -S is supplied. The Extractall.U unit

?X: will then undo the >&4 redirection based on the value of the

?X: realsilent variable... -- RAM, 18/93/96

?X:

: option parsing

```
while test $# -gt 0; do
```

```
case "$1" in
```

```
-d) shift; fastread=yes;;
```

```
-e) shift; alldone=cont;;
```

```
-f)
```

```
shift
```

```
cd ..
```

```
if test -r "$1"; then
```

```
config_sh="$1"
```

```
else
```

```
echo "$me: cannot read config file $1."
```

```
>&2
```

```
error=true
```

```
fi
```

```
cd UU
```

```
shift;;
```

```
--help\
```

```
-h) shift; error=true;;
```

```
-r) shift; reuseval=true;;
```

```
-s) shift; silent=true; realsilent=true;;
```

```
-E) shift; alldone=exit;;
```

```
-K) shift; knowitall=true;;
```

```
-O) shift;;
```

```
-S) shift; silent=true; extractsh=true;;
```

```
-D)
```

```
shift
```

```
case "$1" in
```

```
*=)
```

```
echo "$me: use '-U symbol=', not '-D symbol='." >&2
```

```
echo "$me: ignoring -D $1" >&2
```

```
;;
```

```

*=*) echo "$1" | \
  sed -e "s/^\\""/g" -e "s/=(.*)/=\\1/" >> optdef.sh;;
*) echo "$1='define'" >> optdef.sh;;
esac
shift
;;
-U)
shift
case "$1" in
*=*) echo "$1" >> optdef.sh;;
*=*)
  echo "$me: use '-D symbol=val', not '-U symbol=val.'" >&2
  echo "$me: ignoring -U $1" >&2
  ;;
*) echo "$1='undef'" >> optdef.sh;;
esac
shift
;;
-A)
  shift
  xxx=""
  yyy="$1"
  zzz=""
  uuu=undef
  case "$yyy" in
    *=*) zzz=`echo "$yyy"|sed 's!=.*!!'^
      case "$zzz" in
        *:*) zzz="" ;;
        *) xxx=append

        zzz=" "`echo "$yyy"|sed 's!^[^=]*!!'^
          yyy=`echo "$yyy"|sed 's!=.*!!'^ ;;
      esac
      ;;
    esac
    case "$xxx" in
      ") case "$yyy" in
        *:*) xxx=`echo "$yyy"|sed 's!:..*!!'^
          yyy=`echo "$yyy"|sed 's!^[^:]*!!'^
          zzz=`echo "$yyy"|sed 's!^[^=]*!!'^
          yyy=`echo "$yyy"|sed 's!=.*!!'^ ;;
        *) xxx=`echo "$yyy"|sed 's!:..*!!'^
          yyy=`echo "$yyy"|sed 's!^[^:]*!!'^ ;;
      esac
      ;;
    esac
  case "$xxx" in
    append)

```



```

echo "$yyy=\"\${$yyy}$zzz\" >> posthint.sh ;;
clear)
echo "$yyy=\" >> posthint.sh ;;
define)
    case "$zzz" in
") zzz=define ;;
esac
echo "$yyy='$zzz' >> posthint.sh ;;
eval)
echo "eval \"\${$yyy}$zzz\" >> posthint.sh ;;
prepend)
echo "$yyy=\"\${$zzz}\${$yyy}\" >> posthint.sh ;;
undef)

    case "$zzz" in
") zzz="$uuu" ;;
esac
echo "$yyy=$zzz" >> posthint.sh ;;
    *) echo "$me: unknown -A command '$xxx', ignoring -A $1" >&2 ;;
esac
shift
;;
-V) echo "$me generated by metaconfig <VERSION> PL<PATCHLEVEL>." >&2
    exit 0;;
--) break;;
-*) echo "$me: unknown option $1" >&2; shift; error=true;;
*) break;;
esac
done

case "$error" in
true)
cat >&2 <<EOM
Usage: $me [-dehrsEKOSV] [-f config.sh] [-D symbol] [-D symbol=value]
        [-U symbol] [-U symbol=] [-A command:symbol...]
-d : use defaults for all answers.
-e : go on without questioning past the production of config.sh.
-f : specify an alternate default configuration file.
-h : print this help message and exit (with an error status).
-r : reuse C symbols value if possible (skips costly nm extraction).
-s : silent mode, only echoes questions and essential information.
-D : define symbol to have some value:
    -D symbol      symbol gets the value
'define'
    -D symbol=value  symbol gets the value 'value'
common used examples (see INSTALL for more info):
-Duse64bitint      use 64bit integers
-Duse64bitall      use 64bit integers and pointers

```

-Dusetthreads        use thread support  
 -Dinc\_version\_list=none do not include older perl trees in @INC  
 -DEBUGGING=none     DEBUGGING options  
 -Dcc=gcc            choose your compiler  
 -Dprefix=/opt/perl5   choose your destination  
 -E : stop at the end of questions, after having produced config.sh.  
 -K : do not use unless you know what you are doing.  
 -O : ignored for backward compatibility  
 -S : perform variable substitutions on all .SH files (can mix with -f)  
 -U : undefine symbol:  
     -U symbol    symbol gets the value 'undef'  
     -U symbol=    symbol gets completely empty  
 e.g.: -Uversiononly  
 -A : manipulate symbol after the platform specific hints have been applied:  
     -A append:symbol=value    append value to symbol  
     -A symbol=value        like append:, but with a separating space  
     -A define:symbol=value    define symbol to have value  
     -A clear:symbol        define symbol to be "  
     -A define:symbol        define symbol to be 'define'  
     -A eval:symbol=value    define symbol to be eval of value  
     -A prepend:symbol=value    prepend value to symbol  
     -A undef:symbol        define symbol to be 'undef'  
     -A undef:symbol=        define symbol to be "  
 e.g.: -A prepend:libswanted='cl pthread '  
       -A ccflags=-DSOME\_MACRO  
 -V : print version number and exit (with a zero status).

EOM

exit 1

::

esac

?X:

?X: Unless they specified either -S or both -d and -e/E, make sure we're

?X: running interactively, i.e. attached to a terminal. Moved from Head.U to

?X: be able to handle batch configurations...

?X:

?X: We have to hardwire the Configure name and cannot use \$me,

since if they

?X: said 'sh <Configure', then \$me is 'sh'...

?X:

: Sanity checks

case "\$fastread\$alldone" in

yescont|yesexit) ;;

\*)

case "\$extractsh" in

true) ;;

\*)

if test ! -t 0; then

```

    echo "Say 'sh Configure', not 'sh <Configure'"
    exit 1
fi
;;
esac
;;
esac

```

?X: In silent mode, the standard output is closed. Questions are asked by  
?X: outputting on file descriptor #4, which is the original stdout descriptor.  
?X: This filters out all the "junk", since all the needed information is written  
?X: on #4. Note that ksh will not let us redirect output if the file descriptor  
?X: has not be defined yet, unlike sh, hence the following line...--RAM.  
exec 4>&1  
case "\$silent" in  
true) exec 1>/dev/null;;  
esac

: run the defines and the undefines, if any, but leave the file out there...

```
touch optdef.sh
```

?X: -q is POSIX

?X: It does not work in SysV (solaris) or old BSD greps.

```
grep '\ ' optdef.sh >/dev/null 2>&1
```

```
if test $? = 0; then
```

```
    echo "Configure does not support \ ' in -D arguments"
```

```
    exit 1
```

```
fi
```

```
./optdef.sh
```

: create the posthint manipulation script and leave the file out there...

?X: this file will be perused by Oldconfig.U

```
touch posthint.sh
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Options.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_siglist.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_siglist.U,v $
```

```

?RCS: Revision 3.0 1993/08/18 12:07:22 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_siglist: Csym Setvar
?MAKE: -pick add $@ %<
?S:d_siglist:
?S: This variable conditionally defines HAS_SYS_SIGLIST if sys_siglist[] is
?S: available to translate signal numbers to strings.
?S:.
?C:HAS_SYS_SIGLIST (SYS_SIGLIST):
?C: This symbol, if defined, indicates that the sys_siglist array is
?C: available to translate signal numbers
to strings.
?C:.
?H:#$d_siglist HAS_SYS_SIGLIST /**/
?H:.
?LINT:set d_siglist
: see if sys_siglist[] exist
echo " "
if set sys_siglist val -a d_siglist; eval $csym; $val; then
echo "You have sys_siglist[] for signal description." >&4
val="$define"
else
echo "You don't have sys_siglist[]." >&4
val="$undef"
fi
set d_siglist
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_siglist.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_tzname.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_tzname.U,v $
?RCS: Revision 3.0.1.2 1994/08/29 16:14:43 ram
?RCS: patch32: forgot to set proper value in the val variable
?RCS:

```

```

?RCS: Revision 3.0.1.1 1994/06/20 06:57:55 ram
?RCS: patch30: created
?RCS:
?MAKE:d_tzname: Csym Setvar
?MAKE: -pick add $@ %<
?S:d_tzname:
?S: This variable conditionally defines HAS_TZNAME if tzname[] is
?S: available to access timezone names.
?S:.
?C:HAS_TZNAME:
?C: This symbol, if defined, indicates that the tzname[]
array is
?C: available to access timezone names.
?C:.
?H:#$d_tzname HAS_TZNAME /**/
?H:.
?LINT:set d_tzname
: see if tzname[] exists
echo " "
if set tzname val -a d_tzname; eval $csym; $val; then
val="$define"
echo 'tzname[] found.' >&4
else
val="$undef"
echo 'tzname[] NOT found.' >&4
fi
set d_tzname
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_tzname.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id$

```

```

?RCS:

```

```

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

```

```

?RCS:

```

```

?RCS: You may redistribute only under the terms of the Artistic License,

```

```

?RCS: as specified in the README file that comes with the distribution.

```

```

?RCS: You may reuse parts of this distribution only within the terms of

```

```

?RCS: that same Artistic License; a copy of which may be found at the root

```

```

?RCS: of the source tree for dist 4.0.

```

```

?RCS:

```

```

?RCS: Copyright (c) 2000, Jarkko Hietaniemi

```

```

?RCS:

```

```

?X:

```

```

?X: This unit allows the duplication of the source tree to the current

```

```

?X: directory via symbolic links. This must be requested explicitly
?X: by them issuing a -Dmksymlinks on the command line.
?X:
?MAKE:Mksymlinks: Mkdirp lns issymlink src rsrc pkgsrc
?MAKE: -pick add $@ %<
?F:!UU
?T: dir filename tmppwd filelist
?LINT:extern mksymlinks
@if {test -f ../MANIFEST}
: Duplicate the tree with symbolic links if -Dmksymlinks was supplied
case "$mksymlinks"
in
$define|true|[yY]*)
echo " "
case "$src" in
|.|. ) echo "Cannot create symlinks in the original directory." >&4
exit 1
;;
*) case "$lns:$issymlink" in
*"ln"* -s:"*"test -"?)
echo "Creating the symbolic links..." >&4
echo "(First creating the subdirectories..." >&4
cd ..
awk '{print $1}' $src/MANIFEST | grep / | sed 's:[^/]*$::' | \
sort -u | while true
do
read dir
test -z "$dir" && break
./UU/mkdirp $dir 2>/dev/null
if test -d $dir; then
: ok
else
echo "Failed to create '$dir'. Aborting." >&4
exit 1
fi
done
echo "(Now creating the symlinks..." >&4
awk '{print $1}' $src/MANIFEST | while true; do
read filename
test -z "$filename" && break
if test -f $filename; then
if $issymlink $filename; then
rm -f $filename
fi
fi
if test -f $filename; then
echo "$filename already exists, not symlinking."
else

```

```
?X: Note that the following works because "$pkgsrc" is absolute
  ln
-s $pkgsrc/$filename $filename
  fi
done
?X: Check that everything was correctly copied
  echo "(Checking current directory...)" >&4
  cd UU
  awk '$1 !~ /PACK[A-Z]+/ {print $1}' "$rsrc/MANIFEST" | \
  (split -l 50 2>/dev/null || split -50)
  rm -f missing
  tmppwd=`pwd`
  for filelist in x??: do
  (cd ..; ls `cat "$tmppwd/$filelist"` \
  >/dev/null 2>>"$tmppwd/missing")
  done
  if test -s missing; then
  echo "Failed duplication of source tree. Aborting." >&4
  exit 1
  fi
  ;;
*) echo "(I cannot figure out how to do symbolic links, ignoring!)" >&4
  ;;
  esac
  ;;
  esac
  ;;
  esac
@end
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Mksymlinks.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Head.U,v \$

?RCS: Revision 3.0.1.9 1997/02/28 15:02:09 ram

?RCS: patch61: make sure we unset CDPATH for shells that support this  
?RCS: patch61: improved Korn shell detection and handling  
?RCS:  
?RCS: Revision 3.0.1.8 1995/07/25 13:40:02 ram  
?RCS: patch56: added SVR4-ish /opt directories to path list (ADO)  
?RCS: patch56: OS/2 platforms are using another path separator  
?RCS:  
?RCS: Revision 3.0.1.7 1995/03/21 08:46:15 ram  
?RCS: patch52: definition of paths wrongly added spurious ':' chars  
?RCS:  
?RCS:  
Revision 3.0.1.6 1994/10/29 15:54:19 ram  
?RCS: patch36: make sure ENV is unset before calling /bin/ksh  
?RCS:  
?RCS: Revision 3.0.1.5 1994/08/29 16:03:44 ram  
?RCS: patch32: now sets PATH only using existing directories  
?RCS:  
?RCS: Revision 3.0.1.4 1994/06/20 06:54:28 ram  
?RCS: patch30: now computes its invocation name into 'me'  
?RCS: patch30: symbol me is made visible to all units read-only  
?RCS:  
?RCS: Revision 3.0.1.3 1993/12/15 08:15:07 ram  
?RCS: patch15: added /sbin:/usr/sbin:/usr/libexec in PATH for BSD/386  
?RCS:  
?RCS: Revision 3.0.1.2 1993/11/10 17:32:35 ram  
?RCS: patch14: ensure PATH is reset to '.' before testing for alias  
?RCS:  
?RCS: Revision 3.0.1.1 1993/08/27 14:38:07 ram  
?RCS: patch7: not all 'test' programs support the -x option  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:04:58 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This is the very first unit in the Configure script. It is mostly just  
?X: things to keep people from getting  
into a tizzy right off the bat.  
?X:  
?MAKE:Head:  
?MAKE: -pick wipe \$@ %<  
?V:PATH p\_ \_exe me newsh  
?T:argv Id p paths OS2\_SHELL DJGPP  
?T:inksh needksh avoidksh newsh changesh reason  
?F:!\*  
?LINT:extern ENV CDPATH SHELL MACHTYPE  
?LINT:change ENV CDPATH  
?LINT:nocomment  
#!/bin/sh



```

#
# If these # comments don't work, trim them. Don't worry about any other
# shell scripts, Configure will trim # comments from them for you.
#
# (If you are trying to port this package to a machine without sh,
# I would suggest you have a look at the prototypical config_h.SH file
# and edit it to reflect your system. Some packages may include samples
# of config.h for certain machines, so you might look for one of those.)
#
?X:
?X: NOTE THAT A CONFIGURE SCRIPT IS IN THE PUBLIC DOMAIN (whether or not
?X: the software which uses it is in the public domain).
?X:
# Yes, you may rip this off to use in other distribution packages. This
# script belongs to the public domain and cannot be copyrighted.
#
?X:
?X: WE ASK YOU
NOT TO REMOVE OR ALTER THE FOLLOWING PARAGRAPH, PLEASE:
?X:
# Note: this Configure script was generated automatically. Rather than
# working with this copy of Configure, you may wish to get metaconfig.
# The dist package (which contains metaconfig) is available via SVN:
#   svn co https://svn.code.sf.net/p/dist/code/trunk/dist
?X:
?X: NOTA BENE:
?X: If you develop you own version of metaconfig based on this work,
?X: you have to add some comments telling that the script was generated
?X: by your version, not mine: It credits your work.
?X:

# $Id: Head.U 6 2006-08-25 22:21:46Z rmanfredi $
#
# Generated on <DATE> [metaconfig <VERSION> PL<PATCHLEVEL>]

cat >c1$$ <<EOF
ARGGGHHHH!!!!

SCO csh still thinks true is false. Write to SCO today and tell them that next
year Configure ought to "rm /bin/csh" unless they fix their blasted shell. :-)

(Actually, Configure ought to just patch csh in place. Hmm. Hmmmmm. All
we'd have to do is go in and swap the && and || tokens, wherever they are.)

[End
of diatribe. We now return you to your regularly scheduled programming...]
EOF
cat >c2$$ <<EOF

```

OOPS! You naughty creature! You didn't run Configure with sh!  
I will attempt to remedy the situation by running sh for you...  
EOF

```
true || cat c1$$ c2$$  
true || exec sh $0 $argv:q
```

```
(exit $?0) || cat c2$$  
(exit $?0) || exec sh $0 $argv:q  
rm -f c1$$ c2$$
```

```
: compute my invocation name  
me=$0  
case "$0" in  
*/*)  
me=`echo $0 | sed -e 's!.*\^(.*)!\1!' 2>/dev/null`  
test "$me" || me=$0  
;;  
esac
```

?X:

?X: To be able to run under OS/2, we must detect that early enough to use

?X: the proper path separator, stored in \$p\_. It is : on UNIX and ; on

?X: DOSish systems such as OS/2.

?X:

: Proper separator for the PATH environment variable

p\_=:

: On OS/2 this directory should exist if this is not floppy only system ":-]"

if test -d c:/ ; then

if test -n "\$OS2\_SHELL"; then

p\_=\;

PATH=`cmd /c "echo %PATH%" | tr "\\\\" /`

?X: That's a bug in ksh5.22

OS2\_SHELL=`cmd /c "echo %OS2\_SHELL%" | tr

"/ | tr "[A-Z]" [a-z]"

elif test -n "\$DJGPP"; then

case "X\${MACHTYPE:-noneschmach}" in

\*cygwin) ;;

\*) p\_=\;

esac

fi

fi

?X:

?X: There are two schools of thoughts here. Some people correctly argue that

?X: the user has a better chance than we do of setting a reasonable PATH and

?X: others argue that Configure is the best place there is to set up a suitable

?X: PATH. Well, here we try to compromise by keeping the user's PATH and  
?X: appending some directories which are known to work on some machine or the  
?X: other. The rationale behind this being that a novice user might not have a  
?X: proper environment variable set, and some directories like /etc (where  
?X: chown is located on some BSD systems) may be missing--RAM.

?X:

?X: SVR4 adds an /opt directory for optional packages. Some sites use  
?X: various permutations on /opt as opposed to /usr or /usr/local.-- ADO

?X:

?X: We only add directories that are not already in the PATH of the

?X: user and the directories must

exist also.

?X:

: Proper PATH setting

```
paths="/bin /usr/bin /usr/local/bin /usr/ucb /usr/local /usr/sbin"
```

```
paths="$paths /opt/bin /opt/local/bin /opt/local /opt/sbin"
```

```
paths="$paths /usr/sbin /etc /usr/gnu/bin /usr/new /usr/new/bin /usr/sbin"
```

```
paths="$paths /opt/gnu/bin /opt/new /opt/new/bin /opt/sbin"
```

```
paths="$paths /sys5.3/bin /sys5.3/usr/bin /bsd4.3/bin /bsd4.3/usr/ucb"
```

```
paths="$paths /bsd4.3/usr/bin /usr/bsd /bsd43/bin /usr/ccs/bin"
```

```
paths="$paths /etc /usr/lib /usr/ucblib /lib /usr/ccs/lib"
```

```
paths="$paths /sbin /usr/sbin /usr/libexec"
```

```
paths="$paths /system/gnu_library/bin"
```

```
for p in $paths
```

```
do
```

```
case "$p_${PATH}$p_" in
```

```
*$p_-$p-$p_*) ;;
```

```
*) test -d $p && PATH=${PATH}$p_-$p ;;
```

```
esac
```

```
done
```

```
PATH=.$p_${PATH}
```

```
export PATH
```

: shall we be using ksh?

```
inksh=""
```

```
needksh=""
```

```
avoidksh=""
```

```
newsh=/bin/ksh
```

```
changesh=""
```

?X: Use (alias -x) and not (alias) since zsh and bash recognize the alias

?X: builtin but not the -x option which is typically ksh...

?X: We need to set up PATH before calling the "alias" built-in since

some

?X: systems like HP-UX have a binary called /bin/alias.

```
if (PATH=.; alias -x) >/dev/null 2>&1; then
```

```
inksh=true
```

```

fi
?X: On HP-UX, large Configure scripts may exercise a bug in /bin/sh, use ksh
if test -f /hp-ux -a -f /bin/ksh; then
    needksh='to avoid sh bug in "here document" expansion'
fi
?X: On AIX4, /bin/sh is really ksh and it causes problems, use sh
if test -d /usr/lpp -a -f /usr/bin/bsh -a -f /usr/bin/uname; then
    if test X`usr/bin/uname -v` = X4; then
        avoidksh="to avoid AIX 4's /bin/sh"
        newsh=/usr/bin/bsh
    fi
fi
?X: On Digital UNIX, /bin/sh may start up buggy /bin/ksh, use sh
if test -f /osf_boot -a -f /usr/sbin/setld; then
    if test X`usr/bin/uname -s` = XOSF1; then
        avoidksh="to avoid Digital UNIX' ksh"
        newsh=/bin/sh
    fi
fi
?X: if BIN_SH is set to 'xpg4', sh will start up ksh
unset BIN_SH
fi
?X: If we are not in ksh and need it, then feed us back to it
case "$inksh/$needksh" in
/[a-z]*)
?X: Clear ENV to avoid any ~/.kshrc that could alias cd or whatever...
?X: Don't
use "unset ENV", that is not portable enough
ENV=""
changesh=true
reason="$needksh"
;;
esac
?X: If we are in ksh and must avoid it, then feed us back to a new shell
case "$inksh/$avoidksh" in
true/[a-z]*)
changesh=true
reason="$avoidksh"
;;
esac
?X: Warn them if they use ksh on other systems, which are those where
?X: we don't need ksh nor want to avoid it explicitly, yet are using it.
case "$inksh/$needksh-$avoidksh-" in
true/--)
    cat <<EOM
(I see you are using the Korn shell. Some ksh's blow up on $me,
mainly on older exotic systems. If yours does, try the Bourne shell instead.)
EOM
;;

```

```

esac
case "$changesh" in
true)
export newsh
echo "(Feeding myself to $newsh $reason.)"
?X: Make sure they didn't say sh <Configure by checking whether $0 ends
?X: with Configure or not. If they did say sh <../Configure, then too
?X: bad for them anyway, since we lost that path indication...
?X: Otherwise, execing $0 ensures we keep the full remote source dir
?X: indication for src.U.
case
"$0" in
Configure|*/Configure) exec $newsh $0 "$@";;
*) exec $newsh Configure "$@";;
esac
;;
esac

```

```

?X: Unset CDPATH to avoid surprises when using cd under some shells
?X: Can't unset it because that's not portable to very old shells.
?X: Can't set it to " because then bash 2.02 won't do "cd UU" --AD 6/98.
?X: Don't want to set it to '.' because then ksh prints out the
?X: name of the directory every time you cd to it. --AD 6/98
?X: In order to inflict the least harm, change it only if it's set.
: if needed, set CDPATH to a harmless value that is not chatty
case "$CDPATH" in
") ;;
*) case "$SHELL" in
*bash*) CDPATH='.' ;;
*) CDPATH="" ;;
esac
;;
esac

```

```

: Configure runs within the UU subdirectory
test -d UU || mkdir UU
?X: Use /* to avoid any confirmation prompts from enhanced shells -- WED
cd UU && rm -f /*

```

```

Found in path(s):
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/Head.U
No license file was found, but licenses were detected in source scan.

```

```

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

```

?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: sitelib.U,v \$  
?RCS: Revision 3.0.1.1 1997/02/28 16:21:35 ram  
?RCS: patch61: created  
?RCS:  
?MAKE:sitelib sitelibexp installsitelib: afs cat Getfile \  
Oldconfig Prefixit test privlib package sed  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?S:sitelib:  
?S: This variable contains the eventual value of the SITELIB symbol,  
?S: which is the name of the private library for this package. It may  
?S: have a ~ on the front. It is up to the makefile to eventually create  
?S: this  
directory while performing installation (with ~ substitution).  
?S:.  
?S:sitelibexp:  
?S: This variable is the ~name expanded version of sitelib, so that you  
?S: may use it directly in Makefiles or shell scripts.  
?S:.  
?S:installsitelib:  
?S: This variable is really the same as sitelibexp but may differ on  
?S: those systems using AFS. For extra portability, only this variable  
?S: should be used in makefiles.  
?S:.  
?C:SITELIB:  
?C: This symbol contains the name of the private library for this package.  
?C: The library is private in the sense that it needn't be in anyone's  
?C: execution path, but it should be accessible by the world. The program  
?C: should be prepared to do ~ expansion.  
?C: The standard distribution will put nothing in this directory.  
?C: Individual sites may place their own extensions and modules in  
?C: this directory.  
?C:.  
?C:SITELIB\_EXP:  
?C: This symbol contains the ~name expanded version of SITELIB, to be used  
?C: in programs that are not prepared to deal with ~ expansion  
at run-time.  
?C:.  
?H:#define SITELIB "\$sitelib" /\*\*/  
?H:#define SITELIB\_EXP "\$sitelibexp" /\*\*/  
?H:.

```

?T:prog
: determine where site specific libraries go.
set sitelib sitelib
eval $prefixit
case "$sitelib" in
")
?X: remove any trailing -3.0 or other version indentification
prog=`echo $package | $sed 's/-*[0-9.]*$//`
dflt="$privlib/site_${prog}" ;;
*) dflt="$sitelib" ;;
esac
$cat <<EOM

```

The installation process will also create a directory for site-specific extensions and modules. Some users find it convenient to place all local files in this directory rather than in the main distribution directory.

```

EOM
fn=d~+
rp='Pathname for the site-specific library files?'
./getfile
if $test "X$sitelibexp" != "X$sansexp"; then
installsitelib="
fi
sitelib="$sans"
sitelibexp="$sansexp"
if $afs; then
$cat <<EOM

```

Since you are running AFS, I need to distinguish the directory in which private files reside from the directory in which they are installed (and from which they are presumably copied to the former directory by occult means).

```

EOM
case "$installsitelib" in
") dflt=`echo $sitelibexp | sed 's#^/afs/#/afs/.#`";
*) dflt="$installsitelib";
esac
fn=de~
rp='Where will private files be installed?'
./getfile
installsitelib="$sans"
else
installsitelib="$sitelibexp"
fi

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/sitelib.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_strxfrm.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_strxfrm.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:12:04 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:d\_strxfrm: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_strxfrm:

?S: This variable conditionally defines HAS\_STRXFRM if strxfrm() is

?S: available to transform strings.

?S:.

?C:HAS\_STRXFRM:

?C: This symbol, if defined, indicates that the strxfrm() routine is

?C: available to transform

strings.

?C:.

?H:#\$d\_strxfrm HAS\_STRXFRM /\*\*/

?H:.

?LINT:set d\_strxfrm

: see if strxfrm exists

set strxfrm d\_strxfrm

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_strxfrm.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_crypt.U,v \$

?RCS:

?RCS: Copyright (c) 2002 Jarkko Hietaniemi

?RCS:



?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i\_crypt: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i\_crypt:

?S: This variable conditionally defines the I\_CRYPT symbol, and indicates

?S: whether a C program should include <crypt.h>.

?S:.

?C:I\_CRYPT:

?C: This symbol, if defined, indicates that <crypt.h> exists and

?C: should be included.

?C:.

?H:#\$i\_crypt I\_CRYPT /\*\*/

?H:.

?LINT:set i\_crypt

: see if this is a crypt.h system

set crypt.h i\_crypt

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_crypt.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Chk\_MANI.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Chk\_MANI.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 14:57:25 ram

?RCS: patch61: added support for src.U

?RCS:

?RCS: Revision 3.0.1.1 1994/10/31 09:33:14 ram

?RCS: patch44: now lists Begin instead of Myinit in its dependencies

?RCS: patch44: leading comment now explains how this unit is included

?RCS:

?RCS: Revision 3.0 1993/08/18 12:04:45 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit checks the package by making sure

every file listed in MANIFEST

?X: is present. It is systematically "included" via the Finish unit (which  
?X: is always present in every Configure script), although it may result in  
?X: an empty inclusion when no MANIFEST is present.

?X:

```
?MAKE:Chk_MANI: Begin c n rsrc
```

```
?MAKE: -pick wipe $@ %<
```

```
?T:filelist ans tmppwd
```

?X: This check happens at metaconfig-time, so it's ok to hard-code the path.

```
@if {test -f ../MANIFEST}
```

```
: Now test for existence of everything in MANIFEST
```

```
echo " "
```

```
if test -f "$rsrc/MANIFEST"; then
```

```
echo "First let's make sure your kit is complete. Checking..." >&4
```

?X:

?X: Files spelled uppercased and beginning with PACK are produced by the

?X: shell archive builder and may be removed by the user. Usually, they are

?X: not listed in the MANIFEST file, but you never know...

?X:

?X: "split -l" is the new way of running a split, but we also try the older way

?X:

```
awk '$1 !~ /PACK[A-Z]+/ {print $1}' "$rsrc/MANIFEST" | \
```

```
(split -l 50 2>/dev/null || split -50)
```

```
rm -f missing
```

```
tmppwd=`pwd`
```

```
for
```

```
filelist in x??: do
```

```
(cd "$rsrc"; ls `cat "$tmppwd/$filelist" ` \
```

```
>/dev/null 2>>"$tmppwd/missing")
```

```
done
```

```
if test -s missing; then
```

```
cat missing >&4
```

```
cat >&4 <<'EOM'
```

THIS PACKAGE SEEMS TO BE INCOMPLETE.

You have the option of continuing the configuration process, despite the  
distinct possibility that your kit is damaged, by typing 'y'es. If you  
do, don't blame me if something goes wrong. I advise you to type 'n'o  
and contact the author (<MAINTLOC>).

EOM

?X: Can't use \$echo at this early stage

```
echo $n "Continue? [n] $c" >&4
```

```
read ans
```

```
case "$ans" in
```

```
y*)
```

```
echo "Continuing..." >&4
```

```

rm -f missing
;;
*)
?X:
?X: Use kill and not exit, so that the trap gets executed to clean up
?X:
    echo "ABORTING..." >&4
    kill $$
;;
esac
else
    echo "Looks good..."
fi
else
    echo "There is no MANIFEST file. I hope your kit is complete !"
fi
rm -f missing x??

@end

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Chk_MANI.U
```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: d_sigsetjmp.U,v $
?RCS: Revision 3.0.1.1 1997/02/28 15:44:33 ram
?RCS: patch61: created
?RCS:
?MAKE:d_sigsetjmp: Setvar cat +cc +ccflags +ldflags libs rm
?MAKE: -pick add $@ %<
?S:d_sigsetjmp:
?S: This variable conditionally defines the HAS_SIGSETJMP symbol,
?S: which indicates that the sigsetjmp() routine

```

is available to

?S: call `setjmp()` and optionally save the process's signal mask.

?S:.

?C:HAS\_SIGSETJMP:

?C: This variable indicates to the C program that the `sigsetjmp()`

?C: routine is available to save the calling process's registers

?C: and stack environment for later use by `siglongjmp()`, and

?C: to optionally save the process's signal mask. See

?C: `Sigjmp_buf`, `Sigsetjmp`, and `Siglongjmp`.

?C:.

?C:Sigjmp\_buf:

?C: This is the buffer type to be used with `Sigsetjmp` and `Siglongjmp`.

?C:.

?C:Sigsetjmp:

?C: This macro is used in the same way as `sigsetjmp()`, but will invoke

?C: traditional `setjmp()` if `sigsetjmp` isn't available.

?C: See `HAS_SIGSETJMP`.

?C:.

?C:Siglongjmp:

?C: This macro is used in the same way as `siglongjmp()`, but will invoke

?C: traditional `longjmp()` if `siglongjmp` isn't available.

?C: See `HAS_SIGSETJMP`.

?C:.

?H:%<:#\$d\_sigsetjmp HAS\_SIGSETJMP /\*\*/

?H:%<:#ifdef HAS\_SIGSETJMP

?H:%<:#define Sigjmp\_buf sigjmp\_buf

?H:%<:#define Sigsetjmp(buf,save\_mask) sigsetjmp((buf),(save\_mask))

?H:%<:#define

Siglongjmp(buf,retval) siglongjmp((buf),(retval))

?H:%<:#else

?H:%<:#define Sigjmp\_buf jmp\_buf

?H:%<:#define Sigsetjmp(buf,save\_mask) setjmp((buf))

?H:%<:#define Siglongjmp(buf,retval) longjmp((buf),(retval))

?H:%<:#endif

?H:.

?W:%<:Sigjmp\_buf Sigsetjmp Siglongjmp

?F:!set

?LINT:set d\_sigsetjmp

: see if `sigsetjmp` exists

?X: We can't check for these symbols with `Inlibc` because `sigsetjmp`

?X: is (sometimes? always?) a macro under `GCC`

echo " "

case "\$d\_sigsetjmp" in

")

\$cat >set.c <<'EOP'

#include <setjmp.h>

sigjmp\_buf env;

int set = 1;

```

int main()
{
  if (sigsetjmp(env,1))
    exit(set);
  set = 0;
  siglongjmp(env, 1);
  exit(1);
}

```

EOP

```

if $cc $ccflags $ldflags -o set set.c $libs > /dev/null 2>&1 ; then
  if ./set >/dev/null 2>&1; then
    echo "POSIX sigsetjmp found." >&4
    val="$define"
  else
    $cat >&4 <<EOM

```

Uh-Oh! You have POSIX sigsetjmp and siglongjmp, but they do not work properly!!

I'll ignore them.

EOM

```

  val="$undef"
fi
else
  echo "sigsetjmp not found."
>&4
  val="$undef"
fi
;;
*) val="$d_sigsetjmp"
case "$d_sigsetjmp" in
  $define) echo "POSIX sigsetjmp found." >&4;;
  $undef) echo "sigsetjmp not found." >&4;;
esac
;;
esac
set d_sigsetjmp
eval $setvar
$rm -f set.c set

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_sigsetjmp.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_safebcpy.U,v 3.0.1.4 1997/02/28 15:40:58 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: d\_safebcpy.U,v \$  
?RCS: Revision 3.0.1.4 1997/02/28 15:40:58 ram  
?RCS: patch61: improved overlapping copy check  
?RCS: patch61: comfort them if they have memmove  
?RCS: patch61: added ?F: metalint hint  
?RCS:  
?RCS: Revision 3.0.1.3 1995/07/25 13:58:40 ram  
?RCS: patch56: re-arranged compile line to include ldflags before objects  
?RCS:  
?RCS: Revision 3.0.1.2 1995/01/11 15:29:23 ram  
?RCS: patch45: added 'ldflags' to the test compile line (ADO)  
?RCS:  
?RCS:  
Revision 3.0.1.1 1994/05/06 14:49:03 ram  
?RCS: patch23: ensure string is not optimized in read-only memory (ADO)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:06:58 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_safebcpy: cat d\_bcopy Compile rm\_try run \  
d\_memmove i\_memory i\_stdlib i\_string i\_unistd Oldconfig Setvar  
?MAKE: -pick add \$@ %<  
?S:d\_safebcpy:  
?S: This variable conditionally defines the HAS\_SAFE\_BCOPY symbol if  
?S: the bcopy() routine can do overlapping copies. Normally, you  
?S: should probably use memmove().  
?S:.  
?C:HAS\_SAFE\_BCOPY (SAFE\_BCOPY):  
?C: This symbol, if defined, indicates that the bcopy routine is available  
?C: to copy potentially overlapping memory blocks. Normally, you should  
?C: probably use memmove() or memcpy(). If neither is defined, roll your  
?C: own version.  
?C:.  
?H:#\$d\_safebcpy HAS\_SAFE\_BCOPY /\*\*/  
?H:.  
?F:!try  
?LINT: set d\_safebcpy  
: can bcopy handle overlapping blocks?  
echo " "  
?X: assume the worst.  
val="\$undef"  
case "\$d\_memmove" in  
"\$define")

```

echo "I'll use memmove() instead of bcopy() for overlapping copies." ;;
*) case "$d_bcopy" in
"$define")
echo "Checking to see if bcopy() can do overlapping copies..." >&4
$cat >try.c <<EOCP
#$i_memory I_MEMORY
#$i_stdlib I_STDLIB
#$i_string I_STRING
#$i_unistd I_UNISTD
EOCP
$cat >>try.c <<'EOCP'
#include <stdio.h>
#ifdef I_MEMORY
# include <memory.h>
#endif
#ifdef I_STDLIB
# include <stdlib.h>
#endif
#ifdef I_STRING
# include <string.h>
#else
# include <strings.h>
#endif
#ifdef I_UNISTD
# include <unistd.h> /* Needed for NetBSD */
#endif
int main()
{
char buf[128], abc[128];
char *b;
int len;
int off;
int align;

/* Copy "abcde..." string to char abc[] so that gcc doesn't
try to store the string in read-only memory. */
bcopy("abcdefghijklmnopqrstuvwxy0123456789", abc, 36);

for (align = 7; align >= 0; align--) {
for (len = 36; len; len--) {
b = buf+align;
bcopy(abc, b, len);
for (off = 1; off <= len; off++) {
bcopy(b, b+off, len);
bcopy(b+off,
b, len);
if (bcmp(b, abc, len))
exit(1);

```

```

}
}
}
exit(0);
}
EOCP
set try
if eval $compile_ok; then
if $run ./try 2>/dev/null; then
echo "Yes, it can."
val="$define"
else
echo "It can't, sorry."
fi
else
echo "(I can't compile the test program, so we'll assume not...)"
fi
;;
esac
$rm_try
;;
esac
set d_safebcpy
eval $setvar

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_safebcpy.U
```

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_trunc: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_trunc:

?S: This variable conditionally defines the HAS\_TRUNC symbol, which

?S: indicates to the C program that the trunc() routine is available

?S: to round doubles towards zero.

?S:.

?C:HAS\_TRUNC:

?C: This symbol, if defined, indicates that the trunc routine is

?C: available to round doubles towards zero.

?C:.

?H:#\$d\_trunc HAS\_TRUNC /\*\*/

?H:.

?LINT:set d\_trunc

: see if trunc exists



```
set trunc d_trunc
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_trunc.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_msgsnd.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

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```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_msgsnd.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:06:41 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:d_msgsnd: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_msgsnd:
```

```
?S: This variable conditionally defines the HAS_MSGSND symbol, which
```

```
?S: indicates to the C program that the msgsnd() routine is available.
```

```
?S:.
```

```
?C:HAS_MSGSND:
```

```
?C: This symbol, if defined, indicates that the msgsnd() routine is
```

```
?C: available to send a message into the message queue.
```

```
?C:.
```

```
?H:#$d_msgsnd
```

```
HAS_MSGSND /**/
```

```
?H:.
```

```
?LINT:set d_msgsnd
```

```
: see if msgsnd exists
```

```
set msgsnd d_msgsnd
```

```
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_msgsnd.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Inhdr.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
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?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: Inhdr.U,v \$  
?RCS: Revision 3.0.1.2 1995/05/12 12:01:31 ram  
?RCS: patch54: deleted tabs that caused some /bin/sh to core dump (ADO)  
?RCS:  
?RCS: Revision 3.0.1.1 1994/10/29 15:55:01 ram  
?RCS: patch36: call ./whoa explicitly instead of relying on PATH  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:01 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This unit checks wether a set of header files exists or not.  
?X: If the first header is not  
found, the function tries to locate  
?X: the next header, and so on, until one is found or there is no  
?X: more header in the list.  
?X:  
?X: To use it, say:  
?X: set header i\_header [ header2 i\_header2 ... ]  
?X: eval \$inhdr  
?X:  
?MAKE:Inhdr: test Findhdr Whoa  
?MAKE: -pick add \$@ %<  
?LINT:define inhdr  
?V:inhdr  
?S:inhdr:  
?S: This shell variable is used internally by Configure to check  
?S: wether a set of headers exist or not. A typical use is:  
?S: set header i\_header [ header2 i\_header2 ... ]  
?S: eval \$inhdr  
?S: That will print a message, saying wether header was found or not  
?S: and set i\_header\* accordingly. If the first header is not found,  
?S: we try the next one, until the list is empty or one is found.  
?S:.  
?T:xxx xxf var td xxnf tu yyy instead was cont  
: define an alternate in-header-list? function  
inhdr='echo " "; td=\$define; tu=\$undef; yyy=\$@;  
cont=true; xxf="echo \"<\$1> found.\" >&4";  
case \$# in 2) xxnf="echo \"<\$1> NOT found.\" >&4";;  
\*) xxnf="echo \"<\$1> NOT found, ...\" >&4";;  
esac;

```

case
  $# in 4) instead=instead;; *) instead="at last";; esac;
while $test "$cont"; do
  xxx=`./findhdr $1`
  var=$2; eval "was=\$$2";
  if $test "$xxx" && $test -r "$xxx";
  then eval $xxf;
  ?X: Next line shifted left 1 tabstop to avoid sh core dump on MachTen 2.1.1.
  eval "case \"\$$var\" in $undef) . ./whoa; esac"; eval "$var=\$td";
  cont="";
  else eval $xxnf;
  ?X: Likewise, the next line has been shifted left 1 tabstop -- ADO, 08/03/95
  eval "case \"\$$var\" in $define) . ./whoa; esac"; eval "$var=\$tu"; fi;
  set $yyy; shift; shift; yyy=$@;
  case $# in 0) cont="";;
  2) xxf="echo \"but I found <|$1> $instead.\" >&4";
  xxnf="echo \"and I did not find <|$1> either.\" >&4";;
  *) xxf="echo \"but I found <|$1> instead.\" >&4";
  xxnf="echo \"there is no <|$1>, ...\" >&4";;
  esac;
done;
?X: Remaining values are set to 'undef'
while $test "$yyy";
do set $yyy; var=$2; eval "was=\$$2";
  eval "case \"\$$var\" in $define) . ./whoa; esac"; eval "$var=\$tu";
  set $yyy; shift; shift; yyy=$@;
done'

```

Found

in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Inhdr.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: cppfilecom.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
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```
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```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>
```

```
?RCS:
```

```
?RCS: $Log: cppfilecom.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:05:37 ram
```

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:cppfilecom cppstdinflags d\_cppignhdrs d\_cppcanstdin: \  
contains package test Myread Oldconfig Loc Setvar cpp cc cat rm

?MAKE: -pick add \$@ %<

?S:cppfilecom:

?S: This variable contains the first part of the string which will invoke  
the C preprocessor a file  
and produce to standard output, preserving

?S: comments. Typical value of "cc -E -C" or "/lib/cpp -C".

?S:.

?S:cppstdinflags:

?S: This variable contains any flags necessary to get cppfilecom to read  
from the standard input.

?S:.

?S:d\_cppignhdrs:

?S: This symbol conditionally defines CPP\_IGN\_HDRS if CPP\_FILE\_COM ignores  
\*.h files.

?S:.

?S:d\_cppcanstdin:

?S: This symbol conditionally defines CPP\_CAN\_STDIN if CPP\_FILE\_COM can  
read standard input directly.

?S:.

?C:CPP\_FILE\_COM (CPPFILECOM):

?C: This symbol contains the first part of the string which will invoke  
the C preprocessor a file and produce to standard output, preserving

?C: comments. Typical value of "cc -E -C" or "/lib/cpp -C".

?C:.

?C:CPP\_STDIN\_FLAGS (CPPSTDINFLAGS):

?C: This variable contains any flags necessary to get CPP\_FILE\_COM to  
read from the standard input.

?C:.

?C:CPP\_IGN\_HDRS (CPPIGNHDRS):

?C: This symbol is defined if CPP\_FILE\_COM ignores \*.h files.

?C:.

?C:CPP\_CAN\_STDIN (CPPCANSTDIN):

?C: This  
symbol is defined if CPP\_FILE\_COM can read standard input  
directly.

?C:.

?H:#define CPP\_FILE\_COM "\$cppfilecom"

?H:#define CPP\_STDIN\_FLAGS "\$cppstdinflags"

?H:#\$d\_cppignhdrs CPP\_IGN\_HDRS /\* does CPP ignore .h files? \*/

?H:#\$d\_cppcanstdin CPP\_CAN\_STDIN /\* can CPP read stdin directly? \*/

?H:.

?T:cont

?F:!testcpp.c !testcpp.h !testcpp.out

?LINT:set d\_cppcanstdin d\_cppignhdrs

```
?LINT:usefile testcpp.c testcpp.out
: see how we invoke the C preprocessor
$cat <<EOM
```

\$package needs to be able to preprocess its input files in a mode which preserves comments, which is often not the default behaviour. It should run the C preprocessor you will use when compiling your own source code, which should be ISO/ANSI C compliant if you want \$package to handle the latest standard C. I will try to guess, but I might guess wrongly because it is not necessarily the same preprocessor used to build \$package.

```
EOM
$cat <<'EOT' >testcpp.c
#define ABC abc
#define XYZ xyz
ABC.XYZ
/* comment */
EOT
:
if $test "X$cppfilecom"
  != "X" && \
  $cppfilecom testcpp.c </dev/null >testcpp.out 2>/dev/null && \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 && \
  $contains comment testcpp.out >/dev/null 2>&1
then
  echo "You used to use $cppfilecom so we'll use that again."
elif echo 'Maybe ""$cc -E -C" will work...' && \
  $cc -E -C testcpp.c </dev/null >testcpp.out 2>/dev/null && \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 && \
  $contains comment testcpp.out >/dev/null 2>&1
then
  echo "It works!"
  cppfilecom="$cc -E -C"
elif echo 'Nope...maybe ""$cc"" -P -C" will work...' && \
  $cc -P -C testcpp.c </dev/null >testcpp.out 2>/dev/null && \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 && \
  $contains comment testcpp.out >/dev/null 2>&1
then
  echo "Yup, that does."
  cppfilecom="$cc -P -C"
elif echo 'No such luck, maybe ""$cpp"" -C" will work...' && \
  $cpp -C testcpp.c </dev/null >testcpp.out 2>/dev/null && \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 && \
  $contains comment testcpp.out
  >/dev/null 2>&1
then
  echo "Yup, it does."
  cppfilecom="$cpp -C"
```

```

else
  cppfilecom="
  $cat <<'EOM'
I can't find a C preprocessor that will preserve comments. Please name one.
EOM
fi
:
dflt="$cppfilecom"
cont=true
while $test "$cont" ; do
  echo " "
  rp="How should $package run your preprocessor preserving comments?"
  . ./myread
  cppfilecom="$ans"
  $cppfilecom testcpp.c >testcpp.out 2>&1
  if $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 && \
    $contains comment testcpp.out >/dev/null 2>&1
  then
    echo "OK, that will do."
    cont="
  else
    echo "Sorry, I can't get that to work."
  fi
done

@if CPP_IGN_HDRS || d_cppignhdrs
: Now see if it ignores header files.
cp testcpp.c testcpp.h
$cppfilecom testcpp.h >testcpp.out 2>&1
if $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 && \
  $contains comment testcpp.out >/dev/null 2>&1
then
  echo "Terrific; it processes .h files passed on the command line too."
  val="$undef"
else
  echo "It ignores .h files on the command line; pity."
  val="$define"
fi
set
  d_cppignhdrs
eval $setvar

@end
@if CPP_STDIN_FLAGS || CPP_CAN_STDIN || cppstdinflags || d_cppcanstdin
: Now see how to send stdin to it.
echo " "
cp testcpp.c testcpp.h
$cppfilecom <testcpp.h >testcpp.out 2>&1

```

```

if $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 && \
$contains comment testcpp.out >/dev/null 2>&1
then
echo "Great; and it will read stdin if passed no arguments."
val="$define"
cppstdinflags=""
else
$cppfilecom - <testcpp.h >testcpp.out 2>&1
if $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 && \
$contains comment testcpp.out >/dev/null 2>&1
then
echo "Great; and it can read stdin by passing it '-'."
val="$define"
cppstdinflags='- '
else
$cat <<FOO

```

Unfortunately, I can't find an easy way to get that preprocessor to read from standard input. Do you know any flags I can pass it to get it to do so? If that preprocessor can't read directly from standard input, answer 'none'.

```

FOO
val='dunno'
while $test "$val" = "dunno"; do
rp='Flags to get preprocessor
to read stdin?'
dflt='none'
. ./myread
if $test $ans = 'none'; then
echo "Oh well, if $package wants it done, it will do it for itself."
val="$undef"
else
$cppfilecom $ans <testcpp.h >testcpp.out 2>&1
if $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 && \
$contains comment testcpp.out >/dev/null 2>&1
then
echo "Good; that works fine."
val="$define"
cppstdinflags="$ans"
else
echo "Sorry, I couldn't get that to work."
fi
fi
done
fi
fi
set d_cppcanstdn
eval $setvar

```

```
@end
: cleanup cpp test files anyway
$rm -f testcpp.*
```

Found in path(s):

```
*/opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/cppfilecom.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: cpp\_stuff.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 15:30:48 ram

?RCS: patch61: added cute quoting trick for wild stringify support

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 16:08:24 ram

?RCS: patch36: now uses cppstdin instead of plain cpp for consistency (ADO)

?RCS: patch36: remove temporary files when done

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:36 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:cpp\_stuff cpp\_quote: cat contains cppstdin cppflags cppminus rm Warn \  
package

?MAKE: -pick

add \$@ %<

?S:cpp\_stuff:

?S: This variable contains an identification of the catenation mechanism

?S: used by the C preprocessor.

?S:.

?S:cpp\_quote:

?S: This variable is set to either "" or " depending on whether the

?S: pre-processor pre-dates ANSI or not. It is used in the production of

?S: the SQuoTe() and EQuoTe() macros, and was introduced to overcome a bug

?S: in gcc 3.x whereby the pre-processor complained loudly about the

?S: unterminated strings.

?S:.

?C:CAT2:

?C: This macro catenates 2 tokens together.

?C:.



```

?C:CAT3:
?C: This macro catenates 3 tokens together.
?C:.
?C:CAT4:
?C: This macro catenates 4 tokens together.
?C:.
?C:CAT5:
?C: This macro catenates 5 tokens together.
?C:.
?C:STRINGIFY:
?C: This macro surrounds its token with double quotes.
?C:.
?C:SCAT2:
?C: This macro catenates 2 tokens together and stringifies the result.
?C:.
?C:SCAT3:
?C: This macro catenates 3 tokens together and stringifies the result.
?C:.
?C:SCAT4:
?C: This macro catenates 4 tokens
together and stringifies the result.
?C:.
?C:SCAT5:
?C: This macro catenates 5 tokens together and stringifies the result.
?C:.
?H:%<:#if $cpp_stuff == 1
?H:?CAT2:#define CAT2(a,b)a/**/b
?H:?CAT3:#define CAT3(a,b,c)a/**/b/**/c
?H:?CAT4:#define CAT4(a,b,c,d)a/**/b/**/c/**/d
?H:?CAT5:#define CAT5(a,b,c,d,e)a/**/b/**/c/**/d/**/e
?H:?STRINGIFY:#define STRINGIFY(a)"a"
?H:%<:#define SQuote(a){ cpp_quote }a
?H:%<:#define EQuote(a)a{ cpp_quote }
?H:?SCAT2:#define SCAT2(a,b)EQuote(SQuote(a)b)
?H:?SCAT3:#define SCAT3(a,b,c)EQuote(SQuote(a)b/**/c)
?H:?SCAT4:#define SCAT4(a,b,c,d)EQuote(SQuote(a)b/**/c/**/d)
?H:?SCAT5:#define SCAT5(a,b,c,d,e)EQuote(SQuote(a)b/**/c/**/d/**/e)
?H:%<:#endif
?H:%<:#if $cpp_stuff == 42
?X: The additional level of indirection enables these macros to be
?X: used as arguments to other macros. See K&R 2nd ed., page 231.
?H:%<:#define CaTiFy(a,b) a ## b
?H:%<:#define CAT2(a,b) CaTiFy(a,b)
?H:?CAT3:#define CAT3(a,b,c) CAT2(CaTiFy(a,b),c)
?H:?CAT4:#define CAT4(a,b,c,d)
CAT2(CaTiFy(a,b), CaTiFy(c,d))
?H:?CAT5:#define CAT5(a,b,c,d,e) CAT2(CAT2(CaTiFy(a,b), CaTiFy(c,d)), e)
?H:%<:#define StGiFy(a)# a

```

```

?H:?STRINGIFY:#define STRINGIFY(a)StGiFy(a)
?H:?SCAT2:#define SCAT2(a,b)StGiFy(a) StGiFy(b)
?H:?SCAT3:#define SCAT3(a,b,c)StGiFy(a) StGiFy(b) StGiFy(c)
?H:?SCAT4:#define SCAT4(a,b,c,d)StGiFy(a) StGiFy(b) StGiFy(c) StGiFy(d)
?H:?SCAT5:#define SCAT5(a,b,c,d,e)StGiFy(a) StGiFy(b) StGiFy(c) StGiFy(d) StGiFy(e)
?H:?%<:#endif
?H:?%<:#if $cpp_stuff != 1 && $cpp_stuff != 42
?H:?%<:#include "Bletch: How does this C preprocessor catenate tokens?"
?H:?%<:#endif
?H:.
?W:%<:CAT2 CAT3 CAT4 CAT5 STRINGIFY SCAT2 SCAT3 SCAT4 SCAT5
?F:!cpp_stuff.c
?LINT:known StGiFy EQuoTe SQuoTe CaTiFy
: how do we catenate cpp tokens?
echo " "
echo "Checking to see how your cpp does stuff like catenate tokens..." >&4
cpp_quote="
$cat >cpp_stuff.c <<'EOCP'
#define RCAT(a,b)a/**/b
#define ACAT(a,b)a ## b
RCAT(Rei,ser)
ACAT(Cir,cus)
EOCP
$cppstdin $cppflags $cppminus <cpp_stuff.c >cpp_stuff.out
2>&1
if $contains 'Circus' cpp_stuff.out >/dev/null 2>&1; then
echo "Oh! Smells like ANSI's been here."
echo "We can catify or stringify, separately or together!"
cpp_stuff=42
elif $contains 'Reiser' cpp_stuff.out >/dev/null 2>&1; then
echo "Ah, yes! The good old days!"
cpp_stuff=1
$cat >cpp_stuff.c <<'EOCP'
#define SQuoTe(a)"a
#define EQuoTe(a)a"
#define CAT2(a,b)EQuoTe(SQuoTe(a)b)
CAT2(Vic,tory)
EOCP
$cppstdin $cppflags $cppminus <cpp_stuff.c >cpp_stuff.out 2>&1
if $contains ""Victory"" cpp_stuff.out >/dev/null 2>&1; then
echo "I'll resort to a cute trick to also be able to stringify."
cpp_quote=""
else
$cat <<EOM
However, in the good old days we don't know how to stringify and
catify at the same time...
@if SCAT2 || SCAT3 || SCAT4 || SCAT5
You might have to edit the values of the SCAT[2-5] macros in config.h...

```

```

@else
Hopefully, $package does not need this feature.
@end
EOM
fi
else
./warn <<EOM
I can't seem to be able to catenate tokens with your cpp.
@if
CAT2 || CAT3 || CAT4 || CAT5 || SCAT2 || SCAT3 || SCAT4 || SCAT5
You're going to have to edit the values of the following
macros in config.h:

```

```

@if CAT2 || CAT3 || CAT4 || CAT5
CAT[2-5]
@end
@if SCAT2 || SCAT3 || SCAT4 || SCAT5
SCAT[2-5]
@end

```

```

in order to let me compile.
@end
EOM
cpp_stuff="/* Help! How do we handle cpp_stuff? *//"
fi
$rm -f cpp_stuff.*

```

```

Found in path(s):
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/cpp_stuff.U
No license file was found, but licenses were detected in source scan.

```

```

?RCS: $Id: d_crypt.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_crypt.U,v $
?RCS: Revision 3.0.1.1 1997/02/28 15:31:47 ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:52 ram
?RCS: Baseline for dist 3.0 netwide release.

```

```

?RCS:
?MAKE:d_crypt cryptlib: Loc test xlibpth libpth Csym Setvar _a Inlibc
?MAKE: -pick add $@ %<
?S:d_crypt:
?S: This variable conditionally defines the CRYPT symbol, which
?S: indicates to the C program that the crypt() routine is available
?S: to
    encrypt passwords and the like.
?S:.
?S:cryptlib:
?S: This variable holds -lcrypt or the path to a libcrypt.a archive if
?S: the crypt() function is not defined in the standard C library. It is
?S: up to the Makefile to use this.
?S:.
?C:HAS_CRYPT (CRYPT):
?C: This symbol, if defined, indicates that the crypt routine is available
?C: to encrypt passwords and the like.
?C:.
?H:#$d_crypt HAS_CRYPT /**/
?H:.
?LINT:set d_crypt
?T:val
: see if crypt exists
echo " "
set crypt d_crypt
eval $inlibc
case "$d_crypt" in
$define) cryptlib=" ;;
*) if set crypt val -f d_crypt; eval $csym; $val; then
    echo 'crypt() found.' >&4
    val="$define"
    cryptlib="
else
    cryptlib=`./loc Slibcrypt$_a "" $xlibpth`
    if $test -z "$cryptlib"; then
        cryptlib=`./loc Mlibcrypt$_a "" $xlibpth`
    else
        cryptlib=-lcrypt
    fi
    if $test -z "$cryptlib"; then
        cryptlib=`./loc Llibcrypt$_a "" $xlibpth`
    else
        cryptlib=-lcrypt
    fi
    if $test -z "$cryptlib"; then
        cryptlib=`./loc libcrypt$_a ""
$libpth`
else

```

```

cryptlib=-lcrypt
fi
if $test -z "$cryptlib"; then
  echo 'crypt() NOT found.' >&4
  val="$undef"
else
  val="$define"
fi
fi
set d_crypt
eval $setvar
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_crypt.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_crypt\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_crypt\_r crypt\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads i\_crypt extern\_C

?MAKE: -pick add \$@ %<

?S:d\_crypt\_r:

?S: This variable conditionally defines the HAS\_CRYPT\_R symbol,

?S: which indicates to the C program that the crypt\_r()

?S: routine is available.

?S:.

?S:crypt\_r\_proto:

?S: This variable encodes the prototype of crypt\_r.

?S: It is zero if d\_crypt\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_crypt\_r

?S: is defined.

?S:.

?C:HAS\_CRYPT\_R:

?C: This symbol, if defined, indicates that the crypt\_r routine

?C: is available to crypt re-entrantly.

?C:.

?C:CRYPT\_R\_PROTO:

?C: This

```

symbol encodes the prototype of crypt_r.
?C: It is zero if d_crypt_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_crypt_r
?C: is defined.
?C:.
?H:#$d_crypt_r HAS_CRYPT_R /**/
?H:#define CRYPT_R_PROTO $crypt_r_proto /**/
?H:.
?T:try hdrs d_crypt_r_proto
: see if crypt_r exists
set crypt_r d_crypt_r
eval $inlibc
case "$d_crypt_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_crypt crypt.h"
case "$d_crypt_r_proto:$usethreads" in
":define") d_crypt_r_proto=define
set d_crypt_r_proto crypt_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_crypt_r_proto" in
define)
case "$crypt_r_proto" in
"|0) try='char* crypt_r(const char*, const char*, struct crypt_data*);'
./protochk "$extern_C $try" $hdrs && crypt_r_proto=B_CCS ;;
esac
case "$crypt_r_proto" in
"|0) try='char* crypt_r(const char*, const char*, CRYPTD*);'
./protochk "$extern_C $try" $hdrs && crypt_r_proto=B_CCD ;;
esac
case "$crypt_r_proto" in
"|0) d_crypt_r=undef
crypt_r_proto=0
echo
"Disabling crypt_r, cannot determine prototype." >&4 ;;
*) case "$crypt_r_proto" in
REENTRANT_PROTO*) ;;
*) crypt_r_proto="REENTRANT_PROTO_$crypt_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "crypt_r has no prototype, not using it." >&4 ;;
esac
d_crypt_r=undef
crypt_r_proto=0

```

```
;;
esac
;;
*) crypt_r_proto=0
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_crypt_r.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getprotobynumber\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_getprotobynumber\_r getprotobynumber\_r\_proto: Inlibc Protochk \  
Hasproto i\_systypes usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_getprotobynumber\_r:

?S: This variable conditionally defines the HAS\_GETPROTOBYNUMBER\_R symbol,

?S: which indicates to the C program that the getprotobynumber\_r()

?S: routine is available.

?S:.

?S:getprotobynumber\_r\_proto:

?S: This variable encodes the prototype of getprotobynumber\_r.

?S: It is zero if d\_getprotobynumber\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getprotobynumber\_r

?S: is defined.

?S:.

?C:HAS\_GETPROTOBYNUMBER\_R:

?C: This

symbol, if defined, indicates that the getprotobynumber\_r routine

?C: is available to getprotobynumber re-entrantly.

?C:.

?C:GETPROTOBYNUMBER\_R\_PROTO:

?C: This symbol encodes the prototype of getprotobynumber\_r.

?C: It is zero if d\_getprotobynumber\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getprotobynumber\_r

?C: is defined.

?C:.

?H:#d\_getprotobynumber\_r HAS\_GETPROTOBYNUMBER\_R /\*\*/

?H:#define GETPROTOBYNUMBER\_R\_PROTO \$getprotobynumber\_r\_proto /\*\*/

?H:.

```

?T:try hdrs d_getprotobynumber_r_proto
: see if getprotobynumber_r exists
set getprotobynumber_r d_getprotobynumber_r
eval $inlibc
case "$d_getprotobynumber_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_netdb netdb.h"
case "$d_getprotobynumber_r_proto:$usethreads" in
":define") d_getprotobynumber_r_proto=define
set d_getprotobynumber_r_proto getprotobynumber_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_getprotobynumber_r_proto" in
define)
case "$getprotobynumber_r_proto"
in
"|0) try='int getprotobynumber_r(int, struct protoent*, char*, size_t, struct protoent**);'
./protochk "$$extern_C $try" $hdrs && getprotobynumber_r_proto=I_ISBWR ;;
esac
case "$getprotobynumber_r_proto" in
"|0) try='struct protoent* getprotobynumber_r(int, struct protoent*, char*, int);'
./protochk "$$extern_C $try" $hdrs && getprotobynumber_r_proto=S_ISBI ;;
esac
case "$getprotobynumber_r_proto" in
"|0) try='int getprotobynumber_r(int, struct protoent*, struct protoent_data*);'
./protochk "$$extern_C $try" $hdrs && getprotobynumber_r_proto=I_ISD ;;
esac
case "$getprotobynumber_r_proto" in
"|0) d_getprotobynumber_r=undef
getprotobynumber_r_proto=0
echo "Disabling getprotobynumber_r, cannot determine prototype." >&4 ;;
* ) case "$getprotobynumber_r_proto" in
REENTRANT_PROTO*) ;;
*) getprotobynumber_r_proto="REENTRANT_PROTO_${getprotobynumber_r_proto}" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "getprotobynumber_r
has no prototype, not using it." >&4 ;;
esac
d_getprotobynumber_r=undef
getprotobynumber_r_proto=0
;;
esac
;;

```



```
*) getprotobynumber_r_proto=0
```

```
::
```

```
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_getprotobynumber_r.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:d_statfs_s: \
```

```
Hasstruct i_sysparam i_sysmount i_systypes \
```

```
i_sysvfs i_sysstatfs Setvar
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_statfs_s:
```

```
?S: This variable conditionally defines the HAS_STRUCTURE_STATFS symbol,
```

```
?S: which indicates that the struct statfs is supported.
```

```
?S:.
```

```
?C:HAS_STRUCTURE_STATFS:
```

```
?C: This symbol, if defined, indicates that the struct statfs
```

```
?C: to do statfs() is supported.
```

```
?C:.
```

```
?H:#$d_statfs_s HAS_STRUCTURE_STATFS /**/
```

```
?H:.
```

```
?LINT:set d_statfs_s
```

```
: Check for statfs_s
```

```
echo " "
```

```
echo "Checking to see if your system supports struct statfs..." >&4
```

```
set d_statfs_s statfs $i_systypes sys/types.h $i_sysparam sys/param.h $i_sysmount sys/mount.h $i_sysvfs sys/vfs.h
```

```
$i_sysstatfs sys/statfs.h
```

```
eval $hasstruct
```

```
case "$d_statfs_s"
```

```
in
```

```
"$define") echo "Yes, it does." ;;
```

```
*) echo "No, it doesn't." ;;
```

```
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_statfs_s.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: sbrktype.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.

?RCS:  
?RCS: \$Log: sbrktype.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:09:43 ram  
?RCS: Baseline for dist 3.0 netwide release.

?RCS:  
?MAKE:sbrktype: Myread Oldconfig Loc contains Findhdr

?MAKE: -pick add \$@ %<

?S:sbrktype:

?S: This variable defines sbrktype to be something like caddr\_t, char \*,

?S: or whatever type is used to declare sbrk() in the kernel.

?S:.

?C:Caddr\_t (SBRKTYPE):

?C: This symbol holds the type of a core address. It is intended to be used

?C: to safely

declare the return type of system calls like sbrk(). It might

?C: be necessary to include <sys/types.h> as well.

?C:.

?H:#define Caddr\_t \$sbrktype /\* <core address> type \*/

?H:.

: see what type sbrk is declared as in the kernel

case "\$sbrktype" in

)

if \$contains 'caddr\_t;' `./findhdr sys/types.h` >/dev/null 2>&1 ; then

  dflt='caddr\_t';

else

  dflt='char \*';

fi

::

\*) dflt="\$sbrktype"

::

esac

echo " "

rp="What is the return type of sbrk() on this system?"

  ./myread

sbrktype="\$ans"

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/dist/U/sbrktype.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_sysutsname.U,v $
?RCS:
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_sysutsname: Inhdr Hasfield
?MAKE:-pick add $@ %<
?S:i_sysutsname:
?S: This variable conditionally defines the I_SYSUTSNAME symbol,
?S: and indicates whether a C program should include <sys/utsname.h>.
?S:.
?C:I_SYSUTSNAME:
?C: This symbol, if defined, indicates that <sys/utsname.h> exists and
?C: should be included.
?C:.
?H:#$i_sysutsname I_SYSUTSNAME /**/
?H:.
?LINT:set i_sysutsname
: see if this is a sys/utsname.h system
set sys/utsname.h i_sysutsname
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_sysutsname.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_gethostprotos.U,v $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:d_gethostprotos : Hasproto i_netdb
?MAKE:-pick add $@ %<
?S:d_gethostprotos:
?S: This variable conditionally defines the HAS_GETHOST_PROTOS symbol,
?S: which indicates to the C program that <netdb.h> supplies
?S: prototypes for the various gethost*() functions.
?S: See also netdbtype.U for probing for various netdb types.
```

?S:.  
 ?C:HAS\_GETHOST\_PROTOS:  
 ?C: This symbol, if defined, indicates that <netdb.h> includes  
 ?C: prototypes for gethostent(), gethostbyname(), and  
 ?C: gethostbyaddr(). Otherwise,  
 it is up to the program to guess  
 ?C: them. See netdbtype.U for probing for various Netdb\_xxx\_t types.  
 ?C:.  
 ?H:#\$d\_gethostprotos HAS\_GETHOST\_PROTOS /\*\*/  
 ?H:.  
 ?LINT:set d\_gethostprotos  
 ?X: This test actually only checks for gethostent() and assumes the  
 ?X: others follow suit. This test fails for ChorusOS, which has  
 ?X: gethostbyname and gethostbyaddr, but not gethostent.  
 : see if prototypes for various gethostxxx netdb.h functions are available  
 echo " "  
 set d\_gethostprotos gethostent \$i\_netdb netdb.h  
 eval \$hasproto

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/d\_gethostprotos.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_pwd.U,v 3.0.1.2 1995/07/25 14:10:57 ram Exp \$  
 ?RCS:  
 ?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
 ?RCS:  
 ?RCS: You may redistribute only under the terms of the Artistic License,  
 ?RCS: as specified in the README file that comes with the distribution.  
 ?RCS: You may reuse parts of this distribution only within the terms of  
 ?RCS: that same Artistic License; a copy of which may be found at the root  
 ?RCS: of the source tree for dist 3.0.  
 ?RCS:  
 ?RCS: \$Log: i\_pwd.U,v \$  
 ?RCS: Revision 3.0.1.2 1995/07/25 14:10:57 ram  
 ?RCS: patch56: use setvar so hint file values can override our guesses (ADO)  
 ?RCS:  
 ?RCS: Revision 3.0.1.1 1994/05/06 15:03:27 ram  
 ?RCS: patch23: had forgotten cppminus in cppstdin test (ADO)  
 ?RCS:  
 ?RCS: Revision 3.0 1993/08/18 12:08:25 ram  
 ?RCS: Baseline for dist 3.0 netwide release.  
 ?RCS:  
 ?X:  
 ?X: This unit checks whether there is a pwd system or not  
 ?X:  
 ?MAKE:i\_pwd d\_pwquota d\_pwage d\_pwchange

d\_pwclass d\_pwexpire \  
d\_pwgecos d\_pwpasswd d\_pwcomment: \  
contains rm cppstdin cppflags cppminus Inhdr Findhdr Setvar  
?MAKE: -pick add \$@ %<  
?S:i\_pwd:  
?S: This variable conditionally defines I\_PWD, which indicates  
?S: to the C program that it should include <pwd.h>.  
?S:.  
?S:d\_pwquota:  
?S: This variable conditionally defines PWQUOTA, which indicates  
?S: that struct passwd contains pw\_quota.  
?S:.  
?S:d\_pwage:  
?S: This variable conditionally defines PWAGE, which indicates  
?S: that struct passwd contains pw\_age.  
?S:.  
?S:d\_pwchange:  
?S: This variable conditionally defines PWCHANGE, which indicates  
?S: that struct passwd contains pw\_change.  
?S:.  
?S:d\_pwclass:  
?S: This variable conditionally defines PWCLASS, which indicates  
?S: that struct passwd contains pw\_class.  
?S:.  
?S:d\_pwexpire:  
?S: This variable conditionally defines PWEXPIRE, which indicates  
?S: that struct passwd contains pw\_expire.  
?S:.  
?S:d\_pwcomment:  
?S: This variable conditionally defines PWCOMMENT, which indicates  
?S: that  
struct passwd contains pw\_comment.  
?S:.  
?S:d\_pwgecos:  
?S: This variable conditionally defines PWGECOS, which indicates  
?S: that struct passwd contains pw\_gecos.  
?S:.  
?S:d\_pwpasswd:  
?S: This variable conditionally defines PWPASSWD, which indicates  
?S: that struct passwd contains pw\_passwd.  
?S:.  
?C:I\_PWD:  
?C: This symbol, if defined, indicates to the C program that it should  
?C: include <pwd.h>.  
?C:.  
?C:PWQUOTA:  
?C: This symbol, if defined, indicates to the C program that struct passwd  
?C: contains pw\_quota.

```

?C:.
?C:PWAGE:
?C: This symbol, if defined, indicates to the C program that struct passwd
?C: contains pw_age.
?C:.
?C:PWCHANGE:
?C: This symbol, if defined, indicates to the C program that struct passwd
?C: contains pw_change.
?C:.
?C:PWCLASS:
?C: This symbol, if defined, indicates to the C program that struct passwd
?C: contains pw_class.
?C:.
?C:PWEXPIRE:
?C: This symbol, if defined, indicates to the C program that struct passwd
?C: contains pw_expire.
?C:.
?C:PWCOMMENT:
?C: This
symbol, if defined, indicates to the C program that struct passwd
?C: contains pw_comment.
?C:.
?C:PWGECOS:
?C: This symbol, if defined, indicates to the C program that struct passwd
?C: contains pw_gecos.
?C:.
?C:PWPASSWD:
?C: This symbol, if defined, indicates to the C program that struct passwd
?C: contains pw_passwd.
?C:.
?H:#$i_pwd I_PWD /**/
?H:#$d_pwquota PWQUOTA /**/
?H:#$d_pwage PWAGE /**/
?H:#$d_pwchange PWCHANGE /**/
?H:#$d_pwclass PWCLASS /**/
?H:#$d_pwexpire PWEXPIRE /**/
?H:#$d_pwcomment PWCOMMENT /**/
?H:#$d_pwgecos PWGECOS /**/
?H:#$d_pwpasswd PWPASSWD /**/
?H:.
?LINT: set i_pwd d_pwquota d_pwage d_pwchange d_pwclass d_pwexpire d_pwcomment
?LINT: set d_pwgecos d_pwpasswd
?T:xxx
: see if this is a pwd.h system
set pwd.h i_pwd
eval $inhdr

case "$i_pwd" in

```

```
$define)
xxx=`./findhdr pwd.h`
$cppstdin $cppflags $cppminus < $xxx >$$h

if $contains 'pw_quota' $$h >/dev/null 2>&1; then
  val="$define"
else
  val="$undef"
fi
set d_pwquota
eval $setvar

if $contains 'pw_age'
$$h >/dev/null 2>&1; then
  val="$define"
else
  val="$undef"
fi
set d_pwage
eval $setvar

if $contains 'pw_change' $$h >/dev/null 2>&1; then
  val="$define"
else
  val="$undef"
fi
set d_pwchange
eval $setvar

if $contains 'pw_class' $$h >/dev/null 2>&1; then
  val="$define"
else
  val="$undef"
fi
set d_pwclass
eval $setvar

if $contains 'pw_expire' $$h >/dev/null 2>&1; then
  val="$define"
else
  val="$undef"
fi
set d_pwexpire
eval $setvar

if $contains 'pw_comment' $$h >/dev/null 2>&1; then
  val="$define"
else
```

```

val="$undef"
fi
set d_pwcomment
eval $setvar

if $contains 'pw_gecos' $$h >/dev/null 2>&1; then
val="$define"
else
val="$undef"
fi
set d_pwgecos
eval $setvar

if $contains 'pw_passwd' $$h >/dev/null 2>&1; then
val="$define"
else
val="$undef"
fi
set d_pwpasswd
eval $setvar

$rm -f $$h
;;
*)
val="$undef";
set d_pwquota; eval $setvar
set d_pwage; eval $setvar
set d_pwchange; eval $setvar
set d_pwclass; eval $setvar
set
d_pwexpire; eval $setvar
set d_pwcomment; eval $setvar
set d_pwgecos; eval $setvar
set d_pwpasswd; eval $setvar
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/i_pwd.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_bzero.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.



```

?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_bzero.U,v $
?RCS: Revision 3.0.1.2 1993/10/16 13:48:15 ram
?RCS: patch12: added magic support for bzero()
?RCS:
?RCS: Revision 3.0.1.1 1993/09/13 16:01:33 ram
?RCS: patch10: now only defines HAS_BZERO, no macro remap on memset (WAD)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:46 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_bzero: Inlibc
?MAKE: -pick add $@ %<
?S:d_bzero:
?S: This variable conditionally defines the HAS_BZERO
symbol if
?S: the bzero() routine is available to set memory to 0.
?S:.
?C:HAS_BZERO:
?C: This symbol is defined if the bzero() routine is available to
?C: set a memory block to 0.
?C:.
?H:#$d_bzero HAS_BZERO /**/
?H:.
?M:bzero: HAS_BZERO
?M:#ifndef HAS_BZERO
?M:#ifndef bzero
?M:#define bzero(s,l) memset((s),0,(l))
?M:#endif
?M:#endif
?M:.
?LINT:set d_bzero
: see if bzero exists
set bzero d_bzero
eval $inlibc

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_bzero.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_readlink.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:

```

?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: d\_readlink.U,v \$  
?RCS: Revision 3.0.1.1 1994/08/29 16:11:52 ram  
?RCS: patch32: created by ADO  
?RCS:  
?MAKE:d\_readlink: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_readlink:  
?S: This variable conditionally defines the HAS\_READLINK symbol, which  
?S: indicates to the C program that the readlink() routine is available  
?S: to read the value of a symbolic link.  
?S:.  
?C:HAS\_READLINK :  
?C: This  
symbol, if defined, indicates that the readlink routine is  
?C: available to read the value of a symbolic link.  
?C:.  
?H:#\$d\_readlink HAS\_READLINK /\*\*/  
?H:.  
?LINT:set d\_readlink  
: see if readlink exists  
set readlink d\_readlink  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_readlink.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 2015 Jarkko Hietaniemi, H.Merijn Brand  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:longdblmanbits doublemanbits nvmanbits: Inlibc cat Compile run \  
rm\_try Setvar echo i\_sunmath usequadmath \  
d\_longdbl longdblkind nvsize doublesize longdblsize  
?MAKE: -pick add \$@ %<  
?S:doublemanbits:

?S: This symbol, if defined, tells how many mantissa bits  
?S: there are in double precision floating point format.  
?S: Note that this is usually DBL\_MANT\_DIG minus one, since  
?S: with the standard IEEE 754 formats DBL\_MANT\_DIG includes  
?S: the implicit bit which doesn't really exist.  
?S:.  
?S:longdblmantbits:  
?S: This symbol, if defined, tells how many mantissa bits  
?S: there are in long double precision floating point format.  
?S: Note that this can be LDBL\_MANT\_DIG minus one,  
?S: since  
LDBL\_MANT\_DIG can include the IEEE 754 implicit bit.  
?S: The common x86-style 80-bit long double does not have  
?S: an implicit bit.  
?S:.  
?S:nvmantbits:  
?S: This variable tells how many bits the mantissa of a Perl NV has,  
?S: not including the possible implicit bit.  
?S:.  
?C:DOUBLEMANTBITS:  
?C: This symbol, if defined, tells how many mantissa bits  
?C: there are in double precision floating point format.  
?C: Note that this is usually DBL\_MANT\_DIG minus one, since  
?C: with the standard IEEE 754 formats DBL\_MANT\_DIG includes  
?C: the implicit bit, which doesn't really exist.  
?C:.  
?C:LONGDBLMANTBITS:  
?C: This symbol, if defined, tells how many mantissa bits  
?C: there are in long double precision floating point format.  
?C: Note that this can be LDBL\_MANT\_DIG minus one,  
?C: since LDBL\_MANT\_DIG can include the IEEE 754 implicit bit.  
?C: The common x86-style 80-bit long double does not have  
?C: an implicit bit.  
?C:.  
?C:NVMANTBITS:  
?C: This symbol, if defined, tells how many mantissa bits  
?C: (not  
including implicit bit) there are in a Perl NV.  
?C: This depends on which floating point type was chosen.  
?C:.  
?H:#define DOUBLEMANTBITS \$doublemantbits  
?H:#define LONGDBLMANTBITS \$longdblmantbits  
?H:#define NVMANTBITS \$nvmantbits  
?H:.  
?F:!try  
: Check the length of the double mantissa  
\$echo "Checking how many mantissa bits your doubles have..." >&4  
\$cat >try.c <<EOP

```

#$_sunmath I_SUNMATH
#include <float.h>
#ifdef I_SUNMATH
# include <sunmath.h>
#endif
#ifdef DBL_MANT_DIG
# define BITS (DBL_MANT_DIG - 1) /* the implicit bit does not count */
#endif
#include <stdio.h>
int main(int argc, char *argv[]) {
#ifdef BITS
printf("%d\n", BITS);
#endif
return 0;
}
EOP
set try
if eval $compile; then
doublemantbits=`$run ./try`
else
doublemantbits="$undef"
fi
$rm_try

: Check the length of the longdouble mantissa
$echo "Checking how many mantissa bits your long doubles have..." >&4
$cat >try.c <<EOP
#$_sunmath I_SUNMATH
#include <float.h>
#ifdef I_SUNMATH
# include <sunmath.h>
#endif
#$_d_longdbl
HAS_LONG_DOUBLE
#if defined(HAS_LONG_DOUBLE) && defined(LDBL_MANT_DIG)
# if ($longdblkind == 3) || ($longdblkind == 4) /* 80-bit extended precision */
/* This format has no implicit bit. Beware, however, that for
* this format the bare LDBL_MANT_DIG is misleading for inf/nan:
* the top three bits are used for inf (100) / qnan (11x) / snan (101),
* and the top bit must have been one since 387, zero is plain invalid.
* For normal fp values, the LDBL_MANT_DIG is fine, though. */
# define BITS LDBL_MANT_DIG
# elif ($longdblkind == 5 || $longdblkind == 6 || $longdblkind == 7 || $longdblkind == 8) /* double double */
/* LDBL_MANT_DIG of 106 (twice 53) would be logical, but for some
* reason e.g. Irix thinks 107. But in any case, we want only
* the number of real bits, the implicit bits are of no interest. */
# define BITS 2 * (DBL_MANT_DIG - 1)
# else

```

```

# define BITS (LDBL_MANT_DIG - 1) /* the implicit bit does not count */
# endif
#endif
#include <stdio.h>
int
main(int argc, char *argv[]) {
#ifdef BITS
printf("%d\n", BITS);
#endif
return 0;
}
EOP
set try
if eval $compile; then
    longdblmantbits=`$run ./try`
else
    longdblmantbits="$undef"
fi
$rm_try

```

: Check the length of the NV mantissa

```
$echo "Checking how many mantissa bits your NVs have..." >&4
```

```
if test "$susequadmath" = "$sdefine"; then
```

```
    nvmantbits=112 # 128-1-15
```

```
else
```

```
    if test "$nvsz" = "$dblsize"; then
```

```
        nvmantbits="$doublemantbits"
```

```
    else
```

```
        if test "$nvsz" = "$longdblsize"; then
```

```
            nvmantbits="$longdblmantbits"
```

```
        else
```

```
            nvmantbits="$undef"
```

```
        fi
```

```
    fi
```

```
fi
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/mantbits.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_memory.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```

?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_memory.U,v $
?RCS: Revision 3.0.1.3 1994/06/20 07:01:55 ram
?RCS: patch30: cosmetic changes
?RCS:
?RCS: Revision 3.0.1.2 1994/05/13 15:23:56 ram
?RCS: patch27: modified to avoid spurious Whoa warnings (ADO)
?RCS:
?RCS: Revision 3.0.1.1 1994/05/06 15:02:25 ram
?RCS: patch23: avoid conflicts with <string.h>
?RCS:
?RCS: Revision 3.0 1993/08/18 12:08:22 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:i_memory: Inhdr strings cppstdin
cppflags cppminus contains rm Setvar
?MAKE: -pick add $@ %<
?S:i_memory:
?S: This variable conditionally defines the I_MEMORY symbol, and indicates
?S: whether a C program should include <memory.h>.
?S:.
?C:I_MEMORY:
?C: This symbol, if defined, indicates to the C program that it should
?C: include <memory.h>.
?C:.
?H:#$i_memory I_MEMORY /**/
?H:.
?LINT:set i_memory
?X:
?X: Unfortunately, the definitions of memory functions sometimes
?X: conflict with those in <string.h>. We'll assume that if
?X: <string.h> contains memcpy, then we don't need memory.h
?X:
: see if memory.h is available.
val="
set memory.h val
eval $inhdr

: See if it conflicts with string.h
case "$val" in
$define)
case "$strings" in
") ;;
*)
$cppstdin $cppflags $cppminus < $strings > mem.h
if $contains 'memcpy' mem.h >/dev/null 2>&1; then

```

```
echo " "  
echo "We won't be including <memory.h>."  
val="$undef"  
fi  
$rm -f mem.h  
;;  
esac  
esac  
set i_memory  
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_memory.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getsrvby.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_getsbyname d\_getsbyport: Inlibc

?MAKE: -pick add @\$ %<

?S:d\_getsbyname:

?S: This variable conditionally defines the HAS\_GETSERVBYNAME

?S: symbol, which indicates to the C program that the

?S: getservbyname() routine is available to look up services

?S: by their name.

?S:.

?S:d\_getsbyport:

?S: This variable conditionally defines the HAS\_GETSERVBYPOR

?S: symbol, which indicates to the C program that the

?S: getservbyport() routine is available to look up services

?S: by their port.

?S:.

?C:HAS\_GETSERVBYNAME:

?C: This symbol, if defined, indicates that the getservbyname()

?C: routine is available to look up services by their name.

?C:.

?C:HAS\_GETSERVBYPOR:

?C: This symbol, if defined,

indicates that the getservbyport()

?C: routine is available to look up services by their port.

?C:.

?H:#\$d\_getsbyname HAS\_GETSERVBYNAME /\*\*/

?H:#\$d\_getsbyport HAS\_GETSERVBYPOR /\*\*/

?H:

?LINT:set d\_getsbyname d\_getsbyport  
: Optional checks for getsbyname and getsbyport

@if d\_getsbyname || HAS\_GETSERVBYNAME  
: see if getservbyname exists  
set getservbyname d\_getsbyname  
eval \$inlibc  
@end

@if d\_getsbyport || HAS\_GETSERVBYPORT  
: see if getservbyport exists  
set getservbyport d\_getsbyport  
eval \$inlibc  
@end

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_getsrvby.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fstatfs : Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fstatfs:

?S: This variable conditionally defines the HAS\_FSTATFS symbol, which

?S: indicates to the C program that the fstatfs() routine is available.

?S:.

?C:HAS\_FSTATFS:

?C: This symbol, if defined, indicates that the fstatfs routine is

?C: available to stat filesystems by file descriptors.

?C:.

?H:#\$d\_fstatfs HAS\_FSTATFS /\*\*/

?H:

?LINT:set d\_fstatfs

: see if fstatfs exists

set fstatfs d\_fstatfs

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fstatfs.U



No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Mkdirp.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Extract.U,v $
?RCS: Revision 3.0.1.2 1997/02/28 14:58:52 ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.1 1994/10/29 15:51:46 ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0 1993/08/18 12:04:52 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a shell script which can launched to create a
?X: directory path like "mkdir -p" would do.
?X:
?MAKE:Mkdirp:
eunicefix startsh
?MAKE: -pick add $@ %<
?F:./mkdirp
?T:name create file
: script used to emulate mkdir -p
cat >mkdirp <<EOS
$startsh
EOS
cat >>mkdirp <<'EOS'
name=$1;
create="";
while test $name; do
if test ! -d "$name"; then
create="$name $create"
name=`echo $name | sed -e "s|^[^/]*$||"``
name=`echo $name | sed -e "s|(.*).*/.*|1|"``
else
name=""
fi
done
for file in $create; do
```

```
mkdir $file
done
EOS
chmod +x mkdirp
$eunicefix mkdirp
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Mkdirp.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: baserev.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: baserev.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:05:24 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:baserev: Null
```

```
?MAKE: -pick wipe $@ %<
```

```
?S:baserev:
```

```
?S: The base revision level of this package, from the .package file.
```

```
?S:.
```

```
: set the base revision
```

```
baserev=<BASEREV>
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/baserev.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```

?RCS: $Log: d_safemcpy.U,v $
?RCS: Revision 3.0.1.5 1997/02/28 15:41:12 ram
?RCS: patch61: improved overlapping copy check
?RCS: patch61: comfort them if they have memmove
?RCS: patch61: added ?F: metalint hint
?RCS:
?RCS: Revision 3.0.1.4 1995/07/25 13:58:46 ram
?RCS: patch56: re-arranged compile line to include ldflags before objects
?RCS:
?RCS: Revision 3.0.1.3 1995/03/21 08:47:26 ram
?RCS: patch52: swapped two first arguments of memcopy() calls
?RCS:
?RCS: Revision 3.0.1.2 1994/10/29 16:15:10
ram
?RCS: patch36: added 'ldflags' to the test compile line (ADO)
?RCS:
?RCS: Revision 3.0.1.1 1994/05/06 14:53:12 ram
?RCS: patch23: ensure string is not optimized in read-only memory (ADO)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:06:58 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_safemcpy: cat d_memcopy +cc +optimize +ccflags +libs +ldflags rm \
d_memmove i_memory i_stdlib i_string i_unistd Oldconfig Setvar
?MAKE: -pick add $@ %<
?S:d_safemcpy:
?S: This variable conditionally defines the HAS_SAFE_MEMCOPY symbol if
?S: the memcopy() routine can do overlapping copies.
?S:
?C:HAS_SAFE_MEMCOPY (SAFE_MEMCOPY):
?C: This symbol, if defined, indicates that the memcopy routine is available
?C: to copy potentially overlapping memory blocks. Otherwise you should
?C: probably use memmove() or memcopy(). If neither is defined, roll your
?C: own version.
?C:
?H:#$d_safemcpy HAS_SAFE_MEMCOPY /**/
?H:
?F:!safemcpy
?LINT: set d_safemcpy
: can memcopy handle overlapping blocks?
?X:
assume the worst
val="$undef"
case "$d_memcopy" in
"$define")
echo " "
echo "Checking to see if your memcopy() can do overlapping copies..." >&4
$cat >foo.c <<EOCP

```

```

#$i_memory I_MEMORY
#$i_stdlib I_STDLIB
#$i_string I_STRING
#$i_unistd I_UNISTD
EOCP
$cat >>foo.c <<'EOCP'
#include <stdio.h>
#ifdef I_MEMORY
# include <memory.h>
#endif
#ifdef I_STDLIB
# include <stdlib.h>
#endif
#ifdef I_STRING
# include <string.h>
#else
# include <strings.h>
#endif
#ifdef I_UNISTD
# include <unistd.h> /* Needed for NetBSD */
#endif
int main()
{
char buf[128], abc[128];
char *b;
int len;
int off;
int align;

/* Copy "abcde..." string to char abc[] so that gcc doesn't
   try to store the string in read-only memory. */
memcpy(abc, "abcdefghijklmnopqrstuvwxy0123456789", 36);

for (align = 7; align >= 0; align--) {
for (len = 36; len; len--) {
b = buf+align;
memcpy(b, abc, len);
for (off = 1; off <= len; off++) {
memcpy(b+off, b, len);
memcpy(b, b+off, len);
if (memcmp(b, abc, len))
exit(1);
}
}
}
exit(0);
}
EOCP

```

```

if
$cc $optimize $ccflags $ldflags \
  -o safemcpy foo.c $libs >/dev/null 2>&1; then
if ./safemcpy 2>/dev/null; then
echo "Yes, it can."
val="$define"
else
echo "It can't, sorry."
case "$d_memmove" in
"$define") echo "But that's Ok since you have memmove()." ;;
esac
fi
else
echo "(I can't compile the test program, so we'll assume not...)"
case "$d_memmove" in
"$define") echo "But that's Ok since you have memmove()." ;;
esac
fi
;;
esac
$rm -f foo.* safemcpy core
set d_safemcpy
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_safemcpy.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_endpwent\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_endpwent\_r endpwent\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads i\_pwd extern\_C

?MAKE: -pick add \$@ %<

?S:d\_endpwent\_r:

?S: This variable conditionally defines the HAS\_ENDPWENT\_R symbol,

?S: which indicates to the C program that the endpwent\_r()

?S: routine is available.

?S:.

?S:endpwent\_r\_proto:

?S: This variable encodes the prototype of endpwent\_r.

?S: It is zero if d\_endpwent\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_endpwent\_r  
?S: is defined.  
?S:.  
?C:HAS\_ENDPWENT\_R:  
?C: This symbol, if defined, indicates that the endpwent\_r routine  
?C: is available to  
endpwent re-entrantly.  
?C:.  
?C:ENDPWENT\_R\_PROTO:  
?C: This symbol encodes the prototype of endpwent\_r.  
?C: It is zero if d\_endpwent\_r is undef, and one of the  
?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_endpwent\_r  
?C: is defined.  
?C:.  
?H:#\$d\_endpwent\_r HAS\_ENDPWENT\_R /\*\*/  
?H:#define ENDPWENT\_R\_PROTO \$endpwent\_r\_proto /\*\*/  
?H:.  
?T:try hdrs d\_endpwent\_r\_proto  
: see if endpwent\_r exists  
set endpwent\_r d\_endpwent\_r  
eval \$inlibc  
case "\$d\_endpwent\_r" in  
"\$define")  
hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_pwd pwd.h"  
case "\$d\_endpwent\_r\_proto:\$usethreads" in  
":define") d\_endpwent\_r\_proto=define  
set d\_endpwent\_r\_proto endpwent\_r \$hdrs  
eval \$hasproto ;;  
\*) ;;  
esac  
case "\$d\_endpwent\_r\_proto" in  
define)  
case "\$endpwent\_r\_proto" in  
"|0) try='int endpwent\_r(FILE\*\*);'  
./protochk "\$extern\_C \$try" \$hdrs && endpwent\_r\_proto=I\_H ;;  
esac  
case "\$endpwent\_r\_proto" in  
"|0) try='void endpwent\_r(FILE\*\*);'  
./protochk "\$extern\_C \$try" \$hdrs && endpwent\_r\_proto=V\_H ;;  
esac  
case "\$endpwent\_r\_proto"  
in  
"|0) d\_endpwent\_r=undef  
endpwent\_r\_proto=0  
echo "Disabling endpwent\_r, cannot determine prototype." >&4 ;;  
\* ) case "\$endpwent\_r\_proto" in  
REENTRANT\_PROTO\*) ;;  
\*) endpwent\_r\_proto="REENTRANT\_PROTO\_\$endpwent\_r\_proto" ;;

```

esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "endpwent_r has no prototype, not using it." >&4 ;;
esac
d_endpwent_r=undef
endpwent_r_proto=0
;;
esac
;;
*) endpwent_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_endpwent_r.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_poll.U 15 2006-08-30 18:21:51Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_poll.U,v $
?RCS: Revision 3.0.1.2 1997/02/28 15:38:17 ram
?RCS: patch61: mention that <poll.h> can be included if HAS_POLL defined
?RCS:
?RCS: Revision 3.0.1.1 1995/01/11 15:26:31 ram
?RCS: patch45: created
?RCS:
?MAKE:d_poll: Inlibc
?MAKE: -pick add $@ %<
?S:d_poll:
?S: This variable conditionally defines the HAS_POLL symbol, which
?S: indicates to the C program that the poll() routine is available
?S: to poll active file descriptors.
?S:.
?C:HAS_POLL
:
?C: This symbol, if defined, indicates that the poll routine is

```

?C: available to poll active file descriptors. Please check I\_POLL and

?C: I\_SYS\_POLL to know which header should be included as well.

?C:.

?H:#\$d\_poll HAS\_POLL /\*\*/

?H:.

?LINT:set d\_poll

: see if poll exists

set poll d\_poll

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_poll.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_sysstat.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1996, Andy Dougherty

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_sysstat.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:48:30 ram

?RCS: patch61: created

?RCS:

?MAKE:i\_sysstat: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_sysstat:

?S: This variable conditionally defines the I\_SYS\_STAT symbol,

?S: and indicates whether a C program should include <sys/stat.h>.

?S:.

?C:I\_SYS\_STAT (I\_SYSSTAT):

?C: This symbol, if defined, indicates to the C program that it should

?C: include <sys/stat.h>.

?C:.

?H:#\$i\_sysstat I\_SYS\_STAT /\*\*/

?H:.

?LINT:set

i\_sysstat

: see if sys/stat.h is available

set sys/stat.h i\_sysstat

eval \$inhdr



Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_sysstat.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_endprotoent\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_endprotoent\_r endprotoent\_r\_proto: Inlibc Protochk Hasproto \  
i\_systypes usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_endprotoent\_r:

?S: This variable conditionally defines the HAS\_ENDPROTOENT\_R symbol,

?S: which indicates to the C program that the endprotoent\_r()

?S: routine is available.

?S:.

?S:endprotoent\_r\_proto:

?S: This variable encodes the prototype of endprotoent\_r.

?S: It is zero if d\_endprotoent\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_endprotoent\_r

?S: is defined.

?S:.

?C:HAS\_ENDPROTOENT\_R:

?C: This symbol, if defined, indicates that the endprotoent\_r  
routine

?C: is available to endprotoent re-entrantly.

?C:.

?C:ENDPROTOENT\_R\_PROTO:

?C: This symbol encodes the prototype of endprotoent\_r.

?C: It is zero if d\_endprotoent\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_endprotoent\_r

?C: is defined.

?C:.

?H:#\$d\_endprotoent\_r HAS\_ENDPROTOENT\_R /\*\*/

?H:#define ENDPROTOENT\_R\_PROTO \$endprotoent\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_endprotoent\_r\_proto

: see if endprotoent\_r exists

set endprotoent\_r d\_endprotoent\_r

eval \$inlibc

case "\$d\_endprotoent\_r" in

"\$define")

hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_netdb netdb.h"

```

case "$d_endprotoent_r_proto:$susetheads" in
":define") d_endprotoent_r_proto=define
set d_endprotoent_r_proto endprotoent_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_endprotoent_r_proto" in
define)
case "$endprotoent_r_proto" in
"|0) try='int endprotoent_r(struct protoent_data*);'
./protochk "$sextern_C $try" $hdrs && endprotoent_r_proto=I_D ;;
esac
case "$endprotoent_r_proto"
in
"|0) try='void endprotoent_r(struct protoent_data*);'
./protochk "$sextern_C $try" $hdrs && endprotoent_r_proto=V_D ;;
esac
case "$endprotoent_r_proto" in
"|0) d_endprotoent_r=undef
endprotoent_r_proto=0
echo "Disabling endprotoent_r, cannot determine prototype." >&4 ;;
* ) case "$endprotoent_r_proto" in
REENTRANT_PROTO*) ;;
*) endprotoent_r_proto="REENTRANT_PROTO_$endprotoent_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$susetheads" in
define) echo "endprotoent_r has no prototype, not using it." >&4 ;;
esac
d_endprotoent_r=undef
endprotoent_r_proto=0
;;
esac
;;
*) endprotoent_r_proto=0
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_endprotoent\_r.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: Myinit.U,v \$  
?RCS: Revision 3.0.1.1 1994/10/31 09:47:29 ram  
?RCS: patch44: leading comment states this unit comes before option processing  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:07 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: If you want to initialize any default values, copy this unit to your  
?X: personal U directory and add the assignments to the end. This file  
?X: is included after variables are initialized but before any old  
?X: config.sh file is read in and before  
any Configure switch processing.  
?X:  
?MAKE:Myinit: Init  
?MAKE: -pick add \$@ %<  
?LINT: nocomment

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Myinit.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: mboxchar.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: mboxchar.U,v \$  
?RCS: Revision 3.0.1.2 1995/07/25 14:13:12 ram  
?RCS: patch56: ensure ctrl-A characters are visible in prompt (WED)  
?RCS:  
?RCS: Revision 3.0.1.1 1994/05/06 15:11:22 ram  
?RCS: patch23: added support for MMDF mailboxes (WED)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:15 ram

```

?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:mboxchar: cat package shsharp Myread Oldconfig
?MAKE: -pick add $@ %<
?S:mboxchar:
?S: This variable
contains the eventual value of the MBOXCHAR symbol,
?S: which is how a C program can identify a file as a mailbox.
?S:.
?C:MBOXCHAR:
?C: This symbol contains a character which will match the beginning
?C: of a mailbox file.
?C:.
?H:#define MBOXCHAR '$mboxchar' /**/
?H:.
?T:CTRLA
?INIT:CTRLA=`echo a | tr a '\001`
: determine how to determine when a file is a mailbox
case "$mboxchar" in
") dflt=F;;
?X: The following ^A is two-chars to ensure it will print out -- WED
"$CTRLA") dflt='^A';;
*) dflt="$mboxchar";;
esac
$cat <<EOM

```

In saving articles, \$package wants to differentiate between saving to mailbox format files and normal files. It does this by examining the first character of the file in question. On most systems the first line starts with "From ...", so the first character is an F. Other systems use magic cookies like control codes between articles, so one of those would be first. For example, MMDF messages are separated with lines of four control-A's (you may specify one as ^A, i.e. caret A).

```

EOM
rp="What's the first character of a mailbox file?"
./myread
mboxchar="$ans"
case "$mboxchar" in
F) ;;
"$CTRLA") ;;
^A|^a) mboxchar="$CTRLA";;
*) cat <<'EOM'

```

You will need to edit the shell script mbox.saver to properly append an article to a mailbox. The arguments to the script are documented in EOM

```
case "$shsharp" in
false) echo "comments in mbox.saver.std.";;
true) echo "comments in the shell script itself.";;
esac
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/mboxchar.U
```

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_lrint: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_lrint:

?S: This variable conditionally defines the HAS\_LRINT symbol, which

?S: indicates to the C program that the lrint() routine is available

?S: to return the integral value closest to a double (according

?S: to the current rounding mode).

?S:.

?C:HAS\_LRINT:

?C: This symbol, if defined, indicates that the lrint routine is

?C: available to return the integral value closest to a double

?C: (according to the current rounding mode).

?C:.

?H:#\$d\_lrint HAS\_LRINT /\*\*/

?H:.

?LINT:set d\_lrint

: see if lrint exists

set lrint d\_lrint

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_lrint.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_drem.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 4.0.

```

?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_drem.U,v $
?RCS: Revision 3.0.1.1 1994/10/29 16:12:14 ram
?RCS: patch36: created by ADO
?RCS:
?MAKE:d_drem: Inlibc
?MAKE: -pick add $@ %<
?S:d_drem:
?S: This variable conditionally defines the HAS_DREM symbol, which
?S: indicates to the C program that the drem() routine is available.
?S:.
?C:HAS_DREM :
?C: This symbol, if defined, indicates that the drem routine is
?C: available.
    This routine is roughly the same as fmod, i.e. it
?C: computes the remainder  $r=x-n*y$ , where  $n=rint(x/y)$ , whereas fmod
?C: uses  $n=trunc(x/y)$ .
?C:.
?H:#$d_drem HAS_DREM /**/
?H:.
?LINT:set d_drem
: see if drem exists
set drem d_drem
eval $inlibc

Found in path(s):
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_drem.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: myhostname.U,v 3.0.1.3 1997/02/28 16:15:55 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: myhostname.U,v $
?RCS: Revision 3.0.1.3 1997/02/28 16:15:55 ram
?RCS: patch61: improved hostname lookup by using ypmatch when NIS is used
?RCS:
?RCS: Revision 3.0.1.2 1994/10/29 16:25:43 ram
?RCS: patch36: call ./xenix explicitly instead of relying on PATH

```

?RCS: patch36: now uses new Tr unit to convert to/from lowercase

?RCS:

?RCS: Revision 3.0.1.1 1994/06/20 07:06:20 ram

?RCS: patch30: now a little more clever for domain name guessing

?RCS:

?RCS:

Revision 3.0 1993/08/18 12:09:18 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:myhostname phostname mydomain: contains sed test Myread Oldconfig \  
 Guess Loc awk echo sort uniq +usrinc rm hostcat Tr

?MAKE: -pick add \$@ %<

?S:myhostname (hostname):

?S: This variable contains the eventual value of the MYHOSTNAME symbol,  
 ?S: which is the name of the host the program is going to run on.  
 ?S: The domain is not kept with hostname, but must be gotten from mydomain.  
 ?S: The dot comes with mydomain, and need not be supplied by the program.  
 ?S:.

?S:mydomain:

?S: This variable contains the eventual value of the MYDOMAIN symbol,  
 ?S: which is the domain of the host the program is going to run on.  
 ?S: The domain must be appended to myhostname to form a complete host name.  
 ?S: The dot comes with mydomain, and need not be supplied by the program.  
 ?S:.

?S:phostname:

?S: This variable contains the eventual value of the PHOSTNAME symbol,  
 ?S: which is a command that can be fed to popen()  
 to get the host name.  
 ?S: The program should probably not presume that the domain is or isn't  
 ?S: there already.  
 ?S:.

?C:MYHOSTNAME (HOSTNAME):

?C: This symbol contains name of the host the program is going to run on.  
 ?C: The domain is not kept with hostname, but must be gotten from MYDOMAIN.  
 ?C: The dot comes with MYDOMAIN, and need not be supplied by the program.  
 ?C: If gethostname() or uname() exist, MYHOSTNAME may be ignored. If MYDOMAIN  
 ?C: is not used, MYHOSTNAME will hold the name derived from PHOSTNAME.  
 ?C:.

?C:MYDOMAIN:

?C: This symbol contains the domain of the host the program is going to  
 ?C: run on. The domain must be appended to HOSTNAME to form a complete  
 ?C: host name. The dot comes with MYDOMAIN, and need not be supplied by  
 ?C: the program. If the host name is derived from PHOSTNAME, the domain  
 ?C: may or may not already be there, and the program should check.  
 ?C:.

?H:#define MYHOSTNAME "\$myhostname" /\*\*/  
 ?H:#define MYDOMAIN "\$mydomain" /\*\*/  
 ?H:.

```

?LINT:extern osname
?T:cont
i tans tmp_re
: now get the host name
echo " "
echo "Figuring out host name..." >&4
case "$myhostname" in
") cont=true
echo 'Maybe "hostname" will work...'
if tans=`sh -c hostname 2>&1` ; then
myhostname=$tans
phostname=hostname
cont="
fi
;;
*) cont="";;
esac
if $test "$cont"; then
if ./xenix; then
echo 'Oh, dear. Maybe "/etc/systemid" is the key...'
if tans=`cat /etc/systemid 2>&1` ; then
myhostname=$tans
phostname='cat /etc/systemid'
echo "Whadyaknow. Xenix always was a bit strange..."
cont="
fi
elif $test -r /etc/systemid; then
echo "(What is a non-Xenix system doing with /etc/systemid?)"
fi
fi
if $test "$cont"; then
echo 'No, maybe "uname -l" will work...'
if tans=`sh -c 'uname -l' 2>&1` ; then
myhostname=$tans
phostname='uname -l'
else
echo 'Strange. Maybe "uname -n" will work...'
if tans=`sh -c 'uname -n' 2>&1` ; then
myhostname=$tans
phostname='uname -n'
else
echo 'Oh well, maybe I can mine it out of whoami.h...'
if
tans=`sh -c $contains' sysname $usrinc/whoami.h' 2>&1` ; then
myhostname=`echo "$tans" | $sed 's/^(.*)/\1/^`
phostname="sed -n -e ""'/sysname/s/^(.*)\|(\.*)\|^1/{"" -e p -e q -e '}' <$usrinc/whoami.h"
else
case "$myhostname" in

```



```

") echo "Does this machine have an identity crisis or something?"
phostname="";
*)
echo "Well, you said $myhostname before..."
phostname='echo $myhostname';
esac
fi
fi
fi
fi
case "$myhostname" in
") myhostname=noname ;;
esac
: you do not want to know about this
set $myhostname
myhostname=$1

: verify guess
if $test "$myhostname" ; then
dflt=y
rp="Your host name appears to be "$myhostname"." Right?"
./myread
case "$ans" in
y*) ;;
*) myhostname="";
esac
fi

: bad guess or no guess
while $test "X$myhostname" = X ; do
dflt="
rp="Please type the (one word) name of your host:"
./myread
myhostname="$ans"
done

: translate upper to lower if necessary
case "$myhostname" in
*[A-Z]*)
echo
"(Normalizing case in your host name)"
myhostname=`echo $myhostname | ./tr '[A-Z]' '[a-z]'`
;;
esac

?X: Do not ask for domain name if this is not used later on. In that
?X: case, the hostname may keep its domain name, but it doesn't matter.
@if MYDOMAIN || mydomain

```

```

case "$myhostname" in
*.*)
dflt=`expr "X$myhostname" : "X[^.]*\(\..*\)"`
myhostname=`expr "X$myhostname" : "X\([^.*]\)"`
echo "(Trimming domain name from host name--host name is now $myhostname)"
;;
*) case "$mydomain" in
")
?X:
?X: There is currently no way to say we do not want hostcat if mydomain is not
?X: used. One way to achieve that would be to put that code in a mydomain.U
?X: unit. However, we want to stick the sanity checks right after the domain
?X: name computation, or if none is done, right after the hostname computation.
?X:
{
?X: If we use NIS, try ypmatch.
test "X$hostcat" = "Xypcat hosts" &&
ypmatch "$myhostname" hosts 2>/dev/null \
$sed -e 's/[ ]*#.*//; s/$/ /' > hosts
&& \
$test -s hosts
} || {
?X: Extract only the relevant hosts, reducing file size,
?X: remove comments, insert trailing space for later use.
?X: Test to be sure we *have* a hostcat command. os390 doesn't.
test "X$hostcat" != "X" &&
$hostcat | $sed -n -e "s/[ ]*#.*//; s/\$/ /
/[ ]$myhostname[ . ]/p" > hosts
}
tmp_re="[ .]"
if $test -f hosts; then
$test x`$awk "/[0-9].*[ ]$myhostname$tmp_re/ { sum++ }
END { print sum }" hosts` = x1 || tmp_re="[ ]"
dflt=`$awk "/[0-9].*[ ]$myhostname$tmp_re/ {for(i=2; i<=NF;i++) print \\$i}" \
hosts | $sort | $uniq | \
$sed -n -e "s/$myhostname\.\{[-a-zA-Z0-9_]\}/1/p"`
case ` $echo X$dflt` in
X*\ *) echo "(Several hosts in the database matched hostname)"
dflt=.
;;
X.) echo "(You do not have fully-qualified names in the hosts database)"
;;
esac
else
echo "(I cannot locate a hosts database anywhere)"
dflt=.
fi
case "$dflt" in

```

```

.)
tans=`./loc resolv.conf X /etc /usr/etc`
if
$test -f "$tans"; then
    echo "(Attempting domain name extraction from $tans)"
?X: Look for either a search or a domain directive.
    dflt=`$sed -n -e 's// /g' \
        -e 's/^search *([^\ ]*).*/\1/p' $tans \
        -e 1q 2>/dev/null`
    case "$dflt" in
    .) dflt=`$sed -n -e 's// /g' \
        -e 's/^domain *([^\ ]*).*/\1/p' $tans \
        -e 1q 2>/dev/null`
        ;;
    esac
fi
;;
esac
case "$dflt" in
.) echo "(No help from resolv.conf either -- attempting clever guess)"
    dflt=`sh -c domainname 2>/dev/null`
    case "$dflt" in
    ") dflt='.';
    .nis.*|.yp.*|.main.*) dflt=`echo $dflt | $sed -e 's/^\.[^.]*/'`;;
    esac
    ;;
    esac
case "$dflt${osname}" in
.os390) echo "(Attempting domain name extraction from //SYS1.TCPPARMS(TCPDATA))"
    dflt=`awk '/^DOMAINORIGIN/ {print $2}' '//SYS1.TCPPARMS(TCPDATA)' 2>/dev/null`
    ;;
    esac
case "$dflt" in
.) echo "(Lost all hope -- silly guess then)"
    dflt='.nonet'
    ;;
    esac
$rm -f hosts
;;
*)
dflt="$mydomain";;
esac;;
esac
echo " "
rp="What is your domain name?"
./myread
tans="$ans"
case "$ans" in

```

```

") ;;
.*) ;;
*) tans=".${tans}";;
esac
mydomain="${tans}"

: translate upper to lower if necessary
case "$mydomain" in
*[A-Z]*)
echo "(Normalizing case in your domain name)"
mydomain=`echo $mydomain | ./tr '[A-Z]' '[a-z]`
;;
esac

@end
: a little sanity check here
case "$phostname" in
") ;;
*)
case ` $phostname | ./tr '[A-Z]' '[a-z]^` in
$myhostname$mydomain|$myhostname) ;;
*)
case "$phostname" in
sed*)
echo "(That doesn't agree with your whoami.h file, by the way.)"
;;
*)
echo "(That doesn't agree with your $phostname command, by the way.)"
;;
esac
;;
esac
;;
esac
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/myhostname.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: models.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: models.U,v \$  
?RCS: Revision 3.0.1.2 1997/02/28 16:13:17 ram  
?RCS: patch61: added ?F: metalint hint  
?RCS:  
?RCS: Revision 3.0.1.1 1993/08/25 14:02:39 ram  
?RCS: patch6: added default for large  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:17 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:models split small medium large huge: test cat Myread sysman Oldconfig \  
Loc contains rm  
?MAKE: -pick add \$@ %<  
?S:models:  
?S: This variable contains  
the list of memory models supported by this  
?S: system. Possible component values are none, split, unsplit, small,  
?S: medium, large, and huge. The component values are space separated.  
?S:.  
?S:split:  
?S: This variable contains a flag which will tell the C compiler and loader  
?S: to produce a program that will run in separate I and D space, for those  
?S: machines that support separation of instruction and data space. It is  
?S: up to the Makefile to use this.  
?S:.  
?S:small:  
?S: This variable contains a flag which will tell the C compiler and loader  
?S: to produce a program running with a small memory model. It is up to  
?S: the Makefile to use this.  
?S:.  
?S:medium:  
?S: This variable contains a flag which will tell the C compiler and loader  
?S: to produce a program running with a medium memory model. If the  
?S: medium model is not supported, contains the flag to produce large  
?S: model programs. It is up to the Makefile to use this.  
?S:.  
?S:large:  
?S: This variable contains a flag  
which will tell the C compiler and loader  
?S: to produce a program running with a large memory model. It is up to  
?S: the Makefile to use this.  
?S:.  
?S:huge:  
?S: This variable contains a flag which will tell the C compiler and loader  
?S: to produce a program running with a huge memory model. If the  
?S: huge model is not supported, contains the flag to produce large

?S: model programs. It is up to the Makefile to use this.

?S:.

?T:unsplit tans modelcc

?F!:pdp11

?D:large="

?LINT:extern cc

: see what memory models we can support

case "\$models" in

")

?X: We may not use Cppsym or we get a circular dependency through cc.

?X: But this should work regardless of which cc we eventually use.

```
$cat >pdp11.c <<'EOP'
```

```
int main() {
```

```
#ifdef pdp11
```

```
    exit(0);
```

```
#else
```

```
    exit(1);
```

```
#endif
```

```
}
```

```
EOP
```

?X: Run cc in a subshell in case they don't have a 'cc' command.

?X: Presumably they do have gcc or something.

```
case "$cc" in
```

```
) modelcc="$cc" ;;
```

```
*) modelcc="cc" ;;
```

```
esac
```

```
( $modelcc -o pdp11 pdp11.c ) >/dev/null 2>&1
```

```
if
```

```
$test -f pdp11 && ./pdp11 2>/dev/null; then
```

```
    dflt='unsplit split'
```

```
else
```

```
tans=`. /loc . X /lib/small /lib/large /usr/lib/small /usr/lib/large /lib/medium /usr/lib/medium /lib/huge`
```

```
case "$tans" in
```

```
X) dflt='none';;
```

```
*) if $test -d /lib/small || $test -d /usr/lib/small; then
```

```
    dflt='small'
```

```
else
```

```
    dflt="
```

```
fi
```

```
if $test -d /lib/medium || $test -d /usr/lib/medium; then
```

```
    dflt="$dflt medium"
```

```
fi
```

```
if $test -d /lib/large || $test -d /usr/lib/large; then
```

```
    dflt="$dflt large"
```

```
fi
```

```
if $test -d /lib/huge || $test -d /usr/lib/huge; then
```

```
    dflt="$dflt huge"
```

```
fi
```

```

    esac
fi;;
*) dflt="$models";;
esac
$cat <<EOM

```

Some systems have different model sizes. On most systems they are called small, medium, large, and huge. On the PDP11 they are called unsplit and split. If your system doesn't support different memory models, say "none". If you wish to force everything to one memory model, say "none" here and put the appropriate flags later when it asks you for other cc and ld flags.

Venix systems may wish to put "none" and let the compiler figure things out. (In the following question multiple model names should be space separated.)

The default for most systems is "none".

```

EOM
rp="Which memory models are supported?"
. ./myread
models="$ans"

case "$models" in
none)
small="
medium="
large="
huge="
unsplit="
split="
;;
*split)
case "$split" in
") if $contains \-i' $sysman/ld.1 >/dev/null 2>&1 || \
    $contains \-i' $sysman/cc.1 >/dev/null 2>&1; then
dflt='-i'
else
dflt='none'
fi;;
*) dflt="$split";;
esac
rp="What flag indicates separate I and D space?"
. ./myread
tans="$ans"
case "$tans" in
none) tans="";;
esac
split="$tans"

```

```

unsplit=";;
*large*|*small*|*medium*|*huge*)
case "$models" in
*large*)
case "$large" in
") dflt='-Ml';;
*) dflt="$large";;
esac
rp="What flag indicates large model?"
./myread
tans="$ans"
case "$tans" in
none) tans="";
esac
large="$tans";;
*) large="";;
esac
case "$models"
in
*huge*) case "$huge" in
") dflt='-Mh';;
*) dflt="$huge";;
esac
rp="What flag indicates huge model?"
./myread
tans="$ans"
case "$tans" in
none) tans="";
esac
huge="$tans";;
*) huge="$large";;
esac
case "$models" in
*medium*) case "$medium" in
") dflt='-Mm';;
*) dflt="$medium";;
esac
rp="What flag indicates medium model?"
./myread
tans="$ans"
case "$tans" in
none) tans="";
esac
medium="$tans";;
*) medium="$large";;
esac
case "$models" in
*small*) case "$small" in

```



```

") dflt='none';;
*) dflt="$small";;
esac
rp="What flag indicates small model?"
./myread
tans="$sans"
case "$tans" in
none) tans="";
esac
small="$tans";;
*) small="";;
esac
;;
*)
echo "Unrecognized memory models--you may have to edit Makefile.SH" >&4
;;
esac
$rm -f pdp11.* pdp11

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/models.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_stdlib.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_stdlib.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:27 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:i\_stdlib: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_stdlib:

?S: This variable conditionally defines the I\_STDLIB symbol, which

?S: indicates to the C program that <stdlib.h> exists and should

?S: be included.

?S:.

?C:I\_STDLIB:

?C: This symbol, if defined, indicates that <stdlib.h> exists and should

?C: be included.

```
?C:.
?H:#$i_stdlib I_STDLIB /**/
?H:.
?LINT:set
i_stdlib
: see if stdlib is available
set stdlib.h i_stdlib
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_stdlib.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the WRITEME file.
?RCS:
?MAKE:d_writev: Inlibc
?MAKE:-pick add $@ %<
?S:d_writev:
?S: This variable conditionally defines the HAS_WRITEV symbol, which
?S: indicates to the C program that the writev() routine is available.
?S:.
?C:HAS_WRITEV:
?C: This symbol, if defined, indicates that the writev routine is
?C: available to do scatter writes.
?C:.
?H:#$d_writev HAS_WRITEV /**/
?H:.
?LINT:set d_writev
: see if writev exists
set writev d_writev
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_writev.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
```

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: selecttype.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 16:20:09 ram

?RCS: patch61: always include <sys/select.h> when available for test

?RCS:

?RCS: Revision 3.0.1.2 1995/07/25 14:14:06 ram

?RCS: patch56: removed harmful spaces in assignment

?RCS:

?RCS: Revision 3.0.1.1 1994/06/20 07:06:31 ram

?RCS: patch30: created by ADO

?RCS:

?MAKE:selecttype: cat +cc +ccflags rm Oldconfig Myread \  
d\_fd\_set d\_select d\_socket i\_systeme  
i\_sysselect

?MAKE: -pick add \$@ %<

?S:selecttype:

?S: This variable holds the type used for the 2nd, 3rd, and 4th

?S: arguments to select. Usually, this is 'fd\_set \*', if HAS\_FD\_SET

?S: is defined, and 'int \*' otherwise. This is only useful if you

?S: have select(), naturally.

?S:.

?C:Select\_fd\_set\_t:

?C: This symbol holds the type used for the 2nd, 3rd, and 4th

?C: arguments to select. Usually, this is 'fd\_set \*', if HAS\_FD\_SET

?C: is defined, and 'int \*' otherwise. This is only useful if you

?C: have select(), of course.

?C:.

?H:#define Select\_fd\_set\_t \$selecttype /\*\*/  
?H:.

?T:xxx yyy

: check for type of arguments to select. This will only really

: work if the system supports prototypes and provides one for

: select.

case "\$d\_select" in

\$define)
: Make initial guess
case "\$selecttype" in
"| ' )
case "\$d\_fd\_set" in
\$define) xxx='fd\_set \*' ;;
\*) xxx='int \*' ;;
esac

```

;;
*) xxx="$selecttype"
;;
esac
: backup guess
case "$xxx" in
'fd_set *') yyy='int *'
;;
'int *') yyy='fd_set *' ;;
esac

```

\$cat <<EOM

Checking to see what type of arguments are expected by select().

EOM

```

$cat >try.c <<EOCP
#i_systime I_SYS_TIME
#i_sysselect I_SYS_SELECT
#d_socket HAS_SOCKET
#include <sys/types.h>
#ifdef HAS_SOCKET
#include <sys/socket.h> /* Might include <sys/bsdtypes.h> */
#endif
#ifdef I_SYS_TIME
#include <sys/time.h>
#endif
#ifdef I_SYS_SELECT
#include <sys/select.h>
#endif
int main()
{
int width;
Select_fd_set_t readfds;
Select_fd_set_t writefds;
Select_fd_set_t exceptfds;
struct timeval timeout;
select(width, readfds, writefds, exceptfds, &timeout);
exit(0);
}
EOCP
if $cc $ccflags -c -DSelect_fd_set_t="$xxx" try.c >/dev/null 2>&1 ; then
selecttype="$xxx"
echo "Your system uses $xxx for the arguments to select." >&4
elif $cc $ccflags -c -DSelect_fd_set_t="$yyy" try.c >/dev/null 2>&1 ; then
selecttype="$yyy"
echo "Your system uses $yyy for the arguments to select." >&4
else
rp='What is the type for the 2nd, 3rd, and 4th arguments

```

```

to select?'
dflt="$xxx"
./myread
selecttype="$sans"
fi
$rm -f try.[co]
;;
*) selecttype='int *'
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/selecttype.U
```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: yacc.U,v 3.0.1.1 1994/05/13 15:28:48 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: yacc.U,v $
?RCS: Revision 3.0.1.1 1994/05/13 15:28:48 ram
?RCS: patch27: added byacc as another alternative (ADO)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:10:03 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:yacc yaccflags: Guess Myread Oldconfig byacc bison cat test _exe
?MAKE: -pick add $@ %<
?S:yacc:
?S: This variable holds the name of the compiler compiler we
?S: want to use in the Makefile. It can be yacc, byacc, or bison -y.
?S:.
?S:yaccflags:
?S: This
variable contains any additional yacc flags desired by the
?S: user. It is up to the Makefile to use this.
?S:.
?T:comp
: determine compiler compiler
case "$yacc" in
")

```

```

dflt=yacc;;
*)
dflt="$yacc";;
esac
echo " "
comp='yacc'
if $test -f "$byacc$_exe"; then
dflt="$byacc"
comp="byacc or $comp"
fi
if $test -f "$bison$_exe"; then
comp="$comp or bison -y"
fi
rp="Which compiler compiler ($comp) shall I use?"
./myread
yacc="$ans"
case "$yacc" in
*bis*)
case "$yacc" in
*_y*) ;;
*)
yacc="$yacc -y"
echo "(Adding -y option to bison to get yacc-compatible behavior.)"
;;
esac
;;
esac

@if yaccflags
: see if we need extra yacc flags
dflt="$yaccflags"
case "$dflt" in
") dflt=none;;
esac
$cat <<EOH

```

Your yacc program may need extra flags to normally process the parser sources. Do NOT specify any -d or -v flags here, since those are explicitly known by the various Makefiles. However, if your machine has strange/undocumented options (like -Sr# on SCO to specify the maximum number of grammar rules), then please add them here. To use no flags, specify the word "none".

```

EOH
rp="Any additional yacc flags?"
./myread
case "$ans" in
none) yaccflags="";;

```

```
*) yaccflags="$ans";;
```

```
esac
```

```
@end
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/yacc.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_poll.U,v $
```

```
?RCS:
```

```
?RCS: Copyright (c) 2001 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:i_langinfo: Inhdr Hasfield
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_langinfo:
```

```
?S: This variable conditionally defines the I_LANGINFO symbol,
```

```
?S: and indicates whether a C program should include <langinfo.h>.
```

```
?S:.
```

```
?C:I_LANGINFO:
```

```
?C: This symbol, if defined, indicates that <langinfo.h> exists and
```

```
?C: should be included.
```

```
?C:.
```

```
?H:#$i_langinfo I_LANGINFO /**/
```

```
?H:.
```

```
?LINT:set i_langinfo
```

```
: see if this is a langinfo.h system
```

```
set langinfo.h i_langinfo
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_langinfo.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: uidtype.U,v 3.0.1.3 1994/08/29 16:33:25 ram Exp $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
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```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

?RCS:  
?RCS: \$Log: uidtype.U,v \$  
?RCS: Revision 3.0.1.3 1994/08/29 16:33:25 ram  
?RCS: patch32: now uses new Typedef unit to compute type information  
?RCS:  
?RCS: Revision 3.0.1.2 1994/06/20 07:09:36 ram  
?RCS: patch30: comment for uidtype referred to the obsoleted symbol  
?RCS:  
?RCS: Revision 3.0.1.1 1994/05/13 15:28:27 ram  
?RCS: patch27: made conformant to its gidtype.U companion  
?RCS: patch27: question now explicitly mentions getuid()  
?RCS:  
?RCS: Revision 3.0 1993/08/18  
12:09:56 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:uidtype: Myread Typedef Findhdr  
?MAKE: -pick add \$@ %<  
?S:uidtype:  
?S: This variable defines Uid\_t to be something like uid\_t, int,  
?S: ushort, or whatever type is used to declare user ids in the kernel.  
?S:.  
?C:Uid\_t (UIDTYPE):  
?C: This symbol holds the type used to declare user ids in the kernel.  
?C: It can be int, ushort, uid\_t, etc... It may be necessary to include  
?C: <sys/types.h> to get any typedef'ed information.  
?C:.  
?H:#define Uid\_t \$uidtype /\* UID type \*/  
?H:.  
?T:xxx  
: see what type uids are declared as in the kernel  
echo " "  
echo "Looking for the type for user ids returned by getuid()."  
set uid\_t uidtype xxx stdio.h sys/types.h  
eval \$typedef  
case "\$uidtype" in  
xxx)  
xxx=`./findhdr sys/user.h`  
set `grep '\_ruid;' "\$xxx" 2>/dev/null` unsigned short  
case \$1 in  
unsigned) dflt="\$1 \$2" ;;  
\*) dflt="\$1" ;;  
esac  
;;  
\*) dflt="\$uidtype";;  
esac  
case "\$uidtype" in  
uid\_t) echo "uid\_t found." ;;



```
*) rp="What
is the type for user ids returned by getuid()?"
. ./myread
uidtype="$ans"
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/uidtype.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 2001 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
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```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?MAKE:d_sresuproto: Hasproto i_unistd
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_sresuproto:
```

```
?S: This variable conditionally defines the HAS_SETRESUID_PROTO symbol,
```

```
?S: which indicates to the C program that the system provides
```

```
?S: a prototype for the setresuid() function. Otherwise, it is
```

```
?S: up to the program to supply one.
```

```
?S:.
```

```
?C:HAS_SETRESUID_PROTO:
```

```
?C: This symbol, if defined, indicates that the system provides
```

```
?C: a prototype for the setresuid() function. Otherwise, it is up
```

```
?C: to the program to supply one. Good guesses are
```

```
?C: extern
```

```
int setresuid(uid_t ruid, uid_t euid, uid_t suid);
```

```
?C:.
```

```
?H:#$d_sresuproto HAS_SETRESUID_PROTO /**/
```

```
?H:.
```

```
?LINT:set d_sresuproto
```

```
: see if prototype for setresuid is available
```

```
echo " "
```

```
set d_sresuproto setresuid $i_unistd unistd.h
```

```
eval $hasproto
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_sresuproto.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:siteman3dir siteman3direxp installsiteman3dir: Getfile \
Setprefixvar prefix siteprefix man3dir sed
?MAKE: -pick add $@ %<
?Y:TOP
?D:siteman3dir="
?S:siteman3dir:
?S: This variable contains the name of the directory in which site-specific
?S: library man source pages are to be put. It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S: The standard distribution will put nothing in this directory.
?S: After
perl has been installed, users may install their own local
?S: man3 pages in this directory with
?S: MakeMaker Makefile.PL
?S: or equivalent. See INSTALL for details.
?S:.
?D:siteman3direxp="
?S:siteman3direxp:
?S: This variable is the same as the siteman3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installsiteman3dir="
?S:installsiteman3dir:
?S: This variable is really the same as siteman3direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man3direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installsiteman3dir
?LINT:set siteman3dir
?LINT:set siteman3direxp
: determine where add-on library man pages go
case "$siteman3dir" in
") dflt=`echo $man3dir | $sed "s#^$prefix#siteprefix#"` ;;
```

```

*) dflt=${siteman3dir} ;;
esac
case "$dflt" in
'|' ) dflt=none ;;
esac
fn=dn+~
rp='Pathname
where the site-specific library manual pages should be installed?'
./getfile
prefixvar=siteman3dir
./setprefixvar

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/siteman3dir.U

```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: mansrc.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
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```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: mansrc.U,v $
```

```
?RCS: Revision 3.0.1.9 1997/02/28 16:12:03 ram
```

```
?RCS: patch61: don't ask for AFS when they choose to not install pages
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.8 1995/09/25 09:16:58 ram
```

```
?RCS: patch59: unit is now forced to the top of Configure, if possible
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.7 1995/02/15 14:15:31 ram
```

```
?RCS: patch51: was mistakenly duplicating /usr/local/man/man1 (ADO)
```

```
?RCS: patch51: added /opt/man/man1 to the lookpath (ADO)
```

```
?RCS:
```

```
?RCS: Revision
```

```
3.0.1.6 1995/01/30 14:39:34 ram
```

```
?RCS: patch49: can now handle installation prefix changes (from WED)
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.5 1995/01/11 15:32:25 ram
```

```
?RCS: patch45: can now use Loc variables since path stripping is deferred
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.4 1994/08/29 16:30:38 ram
```

```
?RCS: patch32: now uses installation prefix for default setting
```

```
?RCS:
```

```

?RCS: Revision 3.0.1.3 1994/05/06 15:11:10 ram
?RCS: patch23: added lint hint, assuring that nroff is used
?RCS:
?RCS: Revision 3.0.1.2 1994/01/24 14:14:39 ram
?RCS: patch16: now uses _nroff in case user asked for portability
?RCS:
?RCS: Revision 3.0.1.1 1993/09/13 16:09:31 ram
?RCS: patch10: allows for L1 man page extension (WAD)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:14 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:mansrc mansrcexp manext installmansrc: afs cat nroff Loc Oldconfig \
sysman spackage test Getfile Prefixit prefixexp Prefixup
?MAKE: -pick add $@ %<
?Y:TOP
?S:mansrc:
?S: This variable
contains the name of the directory in which manual
?S: source pages are to be put. It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?S:mansrcexp:
?S: This variable is the same as the mansrc variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?S:installmansrc:
?S: This variable is really the same as mansrcexp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: mansrcexp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:manext:
?S: This variable contains the extension that the manual page should
?S: have: one of 'n', 'l', or '1'. The Makefile must supply the '.'.
?S: See mansrc.
?S:.
?T:lookpath
: determine where manual pages go
set mansrc mansrc none
eval $prefixit
$cat <<EOM

$spackage has manual
pages available in source form.
EOM
case "$nroff" in

```

```

nroff)
echo "However, you don't have nroff, so they're probably useless to you."
case "$mansrc" in
") mansrc="none";;
esac;;
esac
echo "If you don't want the manual sources installed, answer 'none'."
case "$mansrc" in
")
lookpath="$prefixexp/share/man/man1 $prefixexp/man/man1"
lookpath="$lookpath $prefixexp/man/u_man/man1 $prefixexp/man/l_man/man1"
lookpath="$lookpath /usr/local/man/man1 /opt/man/man1 /usr/man/man1"
lookpath="$lookpath /usr/share/man/man1 /usr/local/share/man/man1"
lookpath="$lookpath /usr/man/local/man1 /usr/man/l_man/man1"
lookpath="$lookpath /usr/local/man/u_man/man1 /usr/local/man/l_man/man1"
lookpath="$lookpath /usr/man/man.L"
mansrc=`./loc . $prefixexp/man/man1 $lookpath`
if $test -d "$mansrc"; then
dflt="$mansrc"
else
dflt="$sysman"
fi
set dflt
eval $prefixup
;;
') dflt=none;;
*) dflt="$mansrc"
;;
esac
echo " "
fn=dn~
rp='Where do the manual pages (source) go?'
./getfile
if test
"$X$mansrcexp" != "$X$ansexp"; then
installmansrc="
fi
mansrc="$ans"
mansrcexp="$ansexp"
case "$mansrc" in
") mansrc=' '
installmansrc="";;
esac
if $afs && $test "$mansrc"; then
$cat <<EOM

```

Since you are running AFS, I need to distinguish the directory in which manual pages reside from the directory in which they are installed (and from

which they are presumably copied to the former directory by occult means).

EOM

```
case "$installmansrc" in
  ") dflt=`echo $mansrcexp | sed 's#^/afs/#/afs/#^`;;
  *) dflt="$installmansrc";;
esac
fn=de~
rp='Where will man pages be installed?'
./getfile
installmansrc="$ans"
else
installmansrc="$mansrcexp"
fi
```

```
case "$mansrc" in
  ') manext='0';;
  *l) manext=l;;
  *n) manext=n;;
  *o) manext=l;;
  *p) manext=n;;
  *C) manext=C;;
  *L) manext=L;;
  *L1) manext=L1;;
  *) manext=l;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/mansrc.U
```

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_nan: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_nan:

?S: This variable conditionally defines HAS\_NAN if nan() is

?S: available to generate NaN.

?S:.

?C:HAS\_NAN:

?C: This symbol, if defined, indicates that the nan routine is

?C: available to generate NaN.

?C:.

?H:#\$d\_nan HAS\_NAN /\*\*/

?H:.

?LINT:set d\_nan

: see if nan exists

set nan d\_nan

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_nan.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_closedir.U,v 3.0.1.3 1997/02/28 15:31:26 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

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?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_closedir.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 15:31:26 ram

?RCS: patch61: added ?F: metalint hint

?RCS:

?RCS: Revision 3.0.1.2 1994/10/29 16:11:18 ram

?RCS: patch36: added 'ldflags' to the test compile line (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/08/29 16:07:21 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:d\_closedir d\_void\_closedir: Inlibc i\_dirent i\_sysdir i\_sysndir

\

i\_systypes Compile Setvar rm\_try run

?MAKE: -pick add \$@ %<

?S:d\_closedir:

?S: This variable conditionally defines HAS\_CLOSEDIR if closedir() is

?S: available.

?S:.

?C:HAS\_CLOSEDIR:

?C: This symbol, if defined, indicates that the closedir() routine is

?C: available.

?C:.

?H:#\$d\_closedir HAS\_CLOSEDIR /\*\*/

?H:.

?S:d\_void\_closedir:

?S: This variable conditionally defines VOID\_CLOSEDIR if closedir()

?S: does not return a value.

?S:  
?C:VOID\_CLOSEDIR:  
?C: This symbol, if defined, indicates that the closedir() routine  
?C: does not return a value.

?C:  
?H:#\$d\_void\_closedir VOID\_CLOSEDIR /\*\*/

?H:

?F:!try

?LINT:set d\_closedir d\_void\_closedir

: see if closedir exists

set closedir d\_closedir

eval \$inlibc

@if VOID\_CLOSEDIR || d\_void\_closedir

?X: The following contortions are designed so we can call closedir()

?X: and check whether it returns a value. The contortions are designed

?X: to portably pick up the correct directory header, for those

?X: systems that support various mutually incompatible  
directory functions.

?X: This is from perl5's perl.h

case "\$d\_closedir" in

"\$define")

echo " "

echo "Checking whether closedir() returns a status..." >&4

cat > try.c <<EOM

```
#$i_dirent I_DIRENT /**/
```

```
#$i_sysdir I_SYS_DIR /**/
```

```
#$i_sysndir I_SYS_NDIR /**/
```

```
#$i_systypes I_SYS_TYPES /**/
```

```
##if defined(I_SYS_TYPES)
```

```
##include <sys/types.h>
```

```
##endif
```

```
##if defined(I_DIRENT)
```

```
##include <dirent.h>
```

```
##else
```

```
##ifdef I_SYS_NDIR
```

```
##include <sys/ndir.h>
```

```
##else
```

```
##ifdef I_SYS_DIR
```

```
##include <sys/dir.h>
```

```
##endif
```

```
##endif
```

```
##endif
```

```
int main() { return closedir(opendir(".")); }
```

```
EOM
```

```
set try
```

```
if eval $compile_ok; then
```



```

if $run ./try > /dev/null 2>&1 ; then
    echo "Yes, it does."
    val="$undef"
else
    echo "No, it doesn't."
    val="$define"
fi
else
    echo "(I can't seem to compile the test program--assuming it doesn't)"
    val="$define"
fi
;;
*)
    val="$undef";
;;
esac
set d_void_closedir
eval $setvar
$rm_try
@end

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d\_closedir.U

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?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Oldsym.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:06:58 ram

?RCS: patch61: added support for src.U

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:13 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit follows the creation of the config.sh file. It adds some

?X: special symbols: defines from patchlevel.h file if any and CONFIG,

?X: which is set to true. Then, we try to keep all the new symbols that

?X: may come from a hint file or a previous config.sh file.

```

?X:
?MAKE:Oldsym:
  Config_sh Options test hint src sed sort uniq
?MAKE: -pick add $@ %<
?T:CONFIG sym tmp
?F:!UU
: add special variables
$test -f $src/patchlevel.h && \
awk '/^#define/ {printf "%s=%s\n", $2, $3}' $src/patchlevel.h >>config.sh
echo "CONFIG=true" >>config.sh

: propagate old symbols
if $test -f UU/config.sh; then
?X: Make sure each symbol is unique in oldconfig.sh
  <UU/config.sh $sort | $uniq >UU/oldconfig.sh
?X:
?X: All the symbols that appear twice come only from config.sh (hence the
?X: two config.sh in the command line). These symbols will be removed by
?X: the uniq -u command. The oldsyms file thus contains all the symbols
?X: that did not appear in the produced config.sh (Larry Wall).
?X:
?X: Do not touch the -u flag of uniq. This means you too, Jarkko.
?X:
$sed -n 's/^\([a-zA-Z_0-9]*\)=.*/\1/p' \
  config.sh config.sh UU/oldconfig.sh | \
  $sort | $uniq -u >UU/oldsyms
set X `cat UU/oldsyms`
shift
case $# in
0) ;;
*)
  cat <<EOM
  Hmm...You had some extra variables I don't know about...I'll
  try to keep 'em...
  EOM
  echo ": Variables propagated from previous config.sh file." >>config.sh
  for sym in `cat UU/oldsyms`; do
  echo "  Propagating $hint variable ""$sym..."
  eval 'tmp=""${sym}""'
  echo "$tmp" | \
  sed -e "s/^\\""/g" -e "s/^\$sym=/'" -e "s/$/'" >>config.sh
  done
  ;;
esac
fi

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
```

5.30.0/dist/U/Oldsym.U

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```
?RCS: $Id: d_table.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_table.U,v $
?RCS: Revision 3.0.1.2 1993/11/10 17:34:14 ram
?RCS: patch14: wrongly mentionned an obsolete symbol
?RCS:
?RCS: Revision 3.0.1.1 1993/10/16 13:49:29 ram
?RCS: patch12: created
?RCS:
?MAKE:d_table: Inlibc
?MAKE: -pick add $@ %<
?S:d_table:
?S: This variable conditionally defines HAS_TABLE if table() is
?S: available to examine/update elements from a system table.
?S:.
?C:HAS_TABLE:
?C: This symbol, if defined, indicates that the OSF/1
table() system
?C: call is available to examine/update items from a system table.
?C:.
?H:#$d_table HAS_TABLE /**/
?H:.
?LINT:set d_table
: see if table exists
set table d_table
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_table.U
```

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```
?RCS: $Id: d_tcgtpgrp.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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```

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 ?RCS: of the source tree for dist 4.0.  
 ?RCS:  
 ?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
 ?RCS:  
 ?RCS: \$Log: d\_tcgetpgrp.U,v \$  
 ?RCS: Revision 3.0.1.1 1994/08/29 16:12:08 ram  
 ?RCS: patch32: created by ADO  
 ?RCS:  
 ?MAKE:d\_tcgetpgrp: Inlibc  
 ?MAKE: -pick add \$@ %<  
 ?S:d\_tcgetpgrp:  
 ?S: This variable conditionally defines the HAS\_TCGETPGRP symbol, which  
 ?S: indicates to the C program that the tcgetpgrp() routine is available.  
 ?S: to get foreground process group ID.  
 ?S:.  
 ?C:HAS\_TCGETPGRP  
 :  
 ?C: This symbol, if defined, indicates that the tcgetpgrp routine is  
 ?C: available to get foreground process group ID.  
 ?C:.  
 ?H:#\$d\_tcgetpgrp HAS\_TCGETPGRP /\*\*/  
 ?H:.  
 ?LINT:set d\_tcgetpgrp  
 : see if tcgetpgrp exists  
 set tcgetpgrp d\_tcgetpgrp  
 eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_tcgetpgrp.U

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Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_charsprf.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_ckeypad.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_nolnbuf.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_brokstat.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_PORTAR.U

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/mkdep.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_bsdjmp.U
*
/opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Magic_h.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_setlocale.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_dbl_dig.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_pidcheck.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/nlist_pfx.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_dbl_dig.U
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```

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_snprintf\_l d\_vsnprintf\_l : Inlibc d\_snprintf d\_vsnprintf

?MAKE: -pick add \$@ %<

?S:d\_snprintf\_l:

?S: This variable conditionally defines the HAS\_SNPRINTF\_L symbol, which

?S: indicates to the C program that the snprintf\_l () library function

?S: is available.

?S:.

?S:d\_vsnprintf\_l:

?S: This variable conditionally defines the HAS\_VSNPRINTF\_L symbol, which

?S: indicates to the C program that the vsnprintf\_l () library function

?S: is available.

?S:.

?C:HAS\_SNPRINTF\_L:

?C: This symbol, if defined, indicates that the snprintf\_l () library

?C: function

is available for use.

?C:.

?C:HAS\_VSNPRINTF\_L:

?C: This symbol, if defined, indicates that the vsnprintf\_l () library

?C: function is available for use.

?C:.

```

?H:#$d_snprintf_1 HAS_SNPRINTF_L /**/
?H:#$d_vsnprintf_1 HAS_VSNPRINTF_L /**/
?H:
: see if snprintf_1 exists
set snprintf_1 d_snprintf_1
eval $inlibc

: see if vsnprintf_1 exists
set vsnprintf_1 d_vsnprintf_1
eval $inlibc

case "$d_snprintf-$d_vsnprintf-$d_snprintf_1-$d_vsnprintf_1" in
"$define-$define-$define-$define")
    ;;
*) echo "(These require the basic snprintf and vsnprintf to also be available, which they aren't"
    d_snprintf_1="$undef"
    d_vsnprintf_1="$undef"
    ;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_snprintf_1.U

```

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```

?RCS: $Id: libperl.U,v $
?RCS:
?RCS: Copyright (c) 1996-1998, Andy Dougherty
?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:libperl useshrplib shrpenv ldlibpthname: \
Myread Oldconfig archlibexp awk cat libc \
_a osname osvers so patchlevel subversion usedl ld \
ccdflflags installarchlib userelocatableinc
?MAKE: -pick wipe $@ %<
?S:libperl:
?S: The perl executable is obtained by linking perlmain.c with
?S: libperl, any static extensions (usually just DynaLoader),
?S: and any other libraries needed on this system. libperl
?S: is usually libperl.a, but can also be libperl.so.xxx if
?S: the user wishes to build a perl executable with a shared
?S: library.
?S:
?S:useshrplib:
?S: This variable is set to 'true' if the user wishes
?S: to build a shared libperl, and 'false' otherwise.

```

```

?S:.
?S:shrpenv:
?S: If
    the user builds a shared libperl.so, then we need to tell the
?S: 'perl' executable where it will be able to find the installed libperl.so.
?S: One way to do this on some systems is to set the environment variable
?S: LD_RUN_PATH to the directory that will be the final location of the
?S: shared libperl.so. The makefile can use this with something like
?S: $shrpenv $(CC) -o perl perlmain.o $libperl $libs
?S: Typical values are
?S: shrpenv="env LD_RUN_PATH=$archlibexp/CORE"
?S: or
?S: shrpenv="
?S: See the main perl Makefile.SH for actual working usage.
?S:
?S: Alternatively, we might be able to use a command line option such
?S: as -R $archlibexp/CORE (Solaris) or -Wl,-rpath
?S: $archlibexp/CORE (Linux).
?S:.
?S:ldlibpthname:
?S: This variable holds the name of the shared library
?S: search path, often LD_LIBRARY_PATH. To get an empty
?S: string, the hints file must set this to 'none'.
?S:.
?T:shrpdir majonly majmin also xxx tmp_shrpenv
?X: metalint gets confused and thinks we're
    actually setting LDOPTS
?X: and LD_RUN_PATH.
?LINT:extern LDOPTS
?LINT:change LDOPTS
?LINT:extern LD_RUN_PATH
?LINT:change LD_RUN_PATH
?LINT:change ccdlflags
?LINT:extern maintloc maintname
?Y:top
: Do we want a shared libperl?
also="
case "$usedl" in
$undef)
    # No dynamic loading being used, so don't bother even to prompt.
    useshrplib='false'
    ;;
*) case "$useshrplib" in
") case "$osname" in
svr4*|nonstopux|dgux|dynixptx|esix|powerux|haiku|cygwin*)
    dflt=y
    also='Building a shared libperl is required for dynamic loading to work on your system.'
    ;;

```

```

*) dflt=n
;;
esac
;;
$define|true|[Yy]*)
dflt=y
;;
*) dflt=n
;;
esac
$cat << EOM

```

The perl executable is normally obtained by linking perlmain.c with libperl\${\_a}, any static extensions (usually just DynaLoader), and any other libraries needed on this system (such as -lm, etc.). Since your system supports dynamic loading, it is probably possible to build a shared libperl.\$so. If you will have more than one executable linked to libperl.\$so, this will significantly reduce the size of each executable, but it may have a noticeable effect on performance. The default is probably sensible for your system.

\$also

EOM

```

rp="Build a shared libperl.$so (y/n)"
./myread
case "$ans" in
true|$define|[Yy]*)
useshrplib='true' ;;
*) useshrplib='false' ;;
esac
;;
esac

case "$useshrplib" in
true)
case "$userelocatableinc" in
true|define)
echo "Cannot build with both -Duserelocatableinc and -Duseshrplib" >&4
echo "See INSTALL for an explanation why that won't work." >&4
exit 4
;;
esac
case "$libperl" in
")
# Figure out a good name for libperl.so. Since it gets stored in
# a version-specific architecture-dependent library, the version
# number isn't really that important, except for making cc/ld happy.

```



```

#
# A name such as libperl.so.10.1
majmin="libperl.$so.$patchlevel.$subversion"
# A name such as libperl.so.100
majonly=`echo $patchlevel $subversion |
  $awk '{printf
"%d%02d", $1, $2}`
majonly=libperl.$so.$majonly
# I'd prefer to keep the os-specific stuff here to a minimum, and
# rely on figuring it out from the naming of libc.
case "${osname}${osvers}" in
*linux*|gnu*) # ld won't link with a bare -lperl otherwise.
  dflt=libperl.$so
  ;;
cygwin*) # ld links now against the dll directly
  majmin="cygperl5_${patchlevel}_${subversion}.${so}"
  majonly=`echo $patchlevel $subversion |
    $awk '{printf "%03d%03d", $1, $2}`
  majonly=cygperl5.$majonly.$so
  dflt=$majmin
  ;;
*) # Try to guess based on whether libc has major.minor.
  case "$libc" in
  *libc.$so.[0-9]*.[0-9]*) dflt=$majmin ;;
  *libc.$so.[0-9]*) dflt=$majonly ;;
  *) dflt=libperl.$so ;;
  esac
  ;;
esac
*) dflt=$libperl
  ;;
esac
cat << EOM

```

I need to select a good name for the shared libperl. If your system uses library names with major and minor numbers, then you might want something like \$majmin. Alternatively, if your system uses a single version number for shared libraries, then you might want to use \$majonly. Or, your system might be quite happy with a simple libperl.\$so.

Since the shared libperl will get installed into a version-specific architecture-dependent directory, the version number of the shared perl library probably isn't important, so the default should be o.k.

EOM

```
rp='What name do you want to give to the shared libperl?'
```

```

./myread
libperl=$ans
echo "Ok, I'll use $libperl"
;;
*)
libperl="libperl${_a}"
;;
esac

```

```

# Detect old use of shrpdir via undocumented Configure -Dshrpdir
case "$shrpdir" in
") ;;
*) $cat >&4 <<EOM
WARNING: Use of the shrpdir variable for the installation location of
the shared $libperl is not supported. It was never documented and
will not work in this version. Let me (<$maintloc>)
know of any problems this may cause.

```

```

EOM
case "$shrpdir" in
"$sarchlibexp/CORE")
$cat >&4 <<EOM
But your current setting of $shrpdir is
the default anyway, so it's harmless.

```

```

EOM
;;
*)
$cat
>&4 <<EOM
Further, your current attempted setting of $shrpdir
conflicts with the value of $sarchlibexp/CORE
that installperl will use.

```

```

EOM
;;
esac
;;
esac

```

```

# How will the perl executable find the installed shared $libperl?
# Add $xxx to ccdlflags.
# If we can't figure out a command-line option, use $shrpenv to
# set env LD_RUN_PATH. The main perl makefile uses this.
shrpdir=$sarchlibexp/CORE
xxx=""
tmp_shrpenv=""
if "$suseshrplib"; then
case "$sosome" in
aix)

```

```

# We'll set it in Makefile.SH...
;;
solaris)
xxx="-R $shrpdir"
;;
freebsd|minix|mirbsd|netbsd|openbsd|interix|dragonfly|bitrig)
xxx="-Wl,-R$shrpdir"
;;
bsdos|linux|irix*|dec_osf|gnu*|haiku)
xxx="-Wl,-rpath,$shrpdir"
;;
hpux*)
# hpux doesn't like the default, either.
tmp_shrpdev="env LDOPTS=\"+s +b${shrpdir}\""
;;
cygwin)
# cygwin needs only ldlbpth
;;
*)
tmp_shrpdev="env LD_RUN_PATH=$shrpdir"
;;
esac
case "$xxx" in
") ;;
*)
# Only add $xxx if it isn't already in ccdlflags.
case
"$ccdlflags" in
*" $xxx "*) ;;
*) ccdlflags="$ccdlflags $xxx"
cat <<EOM >&4

```

Adding \$xxx to the flags  
passed to \$ld so that the perl executable will find the  
installed shared \$libperl.

```

EOM
;;
esac
;;
esac
fi
# Fix ccdlflags in AIX for building external extensions.
# (For building Perl itself bare -bE:perl.exp is needed,
# Makefile.SH takes care of this.)
case "$osname" in
aix) ccdlflags="$ccdlflags -bE:$installarchlib/CORE/perl.exp" ;;
esac

```

```
# Respect a hint or command-line value.
case "$shrpenv" in
") shrpenv="$tmp_shrpenv" ;;
esac
case "$ldlibpthname" in
") ldlibpthname=LD_LIBRARY_PATH ;;
none) ldlibpthname="" ;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/libperl.U
```

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```
?RCS: $Id: d_strchr.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_strchr.U,v $
?RCS: Revision 3.0.1.2 1993/10/16 13:49:20 ram
?RCS: patch12: added support for HAS_INDEX
?RCS: patch12: added magic for index() and rindex()
?RCS:
?RCS: Revision 3.0.1.1 1993/09/13 16:05:26 ram
?RCS: patch10: now only defines HAS_STRCHR, no macro remap of index (WAD)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:07:32 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_strchr d_index: contains strings Setvar Myread Oldconfig
Csym
?MAKE: -pick add $@ %<
?S:d_strchr:
?S: This variable conditionally defines HAS_STRCHR if strchr() and
?S: strrchr() are available for string searching.
?S:.
?S:d_index:
?S: This variable conditionally defines HAS_INDEX if index() and
?S: rindex() are available for string searching.
?S:.
?C:HAS_STRCHR:
?C: This symbol is defined to indicate that the strchr()/strrchr()
```

```

?C: functions are available for string searching. If not, try the
?C: index()/rindex() pair.
?C:.
?C:HAS_INDEX:
?C: This symbol is defined to indicate that the index()/rindex()
?C: functions are available for string searching.
?C:.
?H:#$d_strchr HAS_STRCHR /**/
?H:#$d_index HAS_INDEX /**/
?H:.
?M:index: HAS_INDEX
?M:#ifndef HAS_INDEX
?M:#ifndef index
?M:#define index strchr
?M:#endif
?M:#endif
?M:.
?M:rindex: HAS_INDEX
?M:#ifndef HAS_INDEX
?M:#ifndef rindex
?M:#define rindex strchr
?M:#endif
?M:#endif
?M:.
?T:vali
?LINT:set d_strchr d_index
: index or strchr
echo " "
if set index val -f; eval $csym; $val; then
if
set strchr val -f d_strchr; eval $csym; $val; then
if $contains strchr "$strings" >/dev/null 2>&1 ; then
?X: has index, strchr, and strchr in string header
val="$define"
vali="$undef"
echo "strchr() found." >&4
else
?X: has index, strchr, and no strchr in string header
val="$undef"
vali="$define"
echo "index() found." >&4
fi
else
?X: has only index, no strchr, string header is a moot point
val="$undef"
vali="$define"
echo "index() found." >&4
fi

```

```

else
if set strchr val -f d_strchr; eval $csym; $val; then
val="$define"
vali="$undef"
echo "strchr() found." >&4
else
echo "No index() or strchr() found!" >&4
val="$undef"
vali="$undef"
fi
fi
set d_strchr; eval $setvar
val="$vali"
set d_index; eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_strchr.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2017, Karl Williamson

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:i\_wchar: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_wchar:

?S: This variable conditionally defines the I\_WCHAR symbol,

?S: that indicates whether a C program may include <wchar.h>.

?S:.

?C:I\_WCHAR:

?C: This symbol, if defined, indicates to the C program that <wchar.h>

?C: is available for inclusion

?C:.

?H:#\$i\_wchar I\_WCHAR /\*\*/

?H:.

?LINT:set i\_wchar

: see if wchar.h is present

set wchar.h i\_wchar

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_wchar.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_sysmode.U,v \$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i\_sysmode: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i\_sysmode:

?S: This variable conditionally defines the I\_SYSMODE symbol,

?S: and indicates whether a C program should include <sys/mode.h>.

?S:.

?C:I\_SYSMODE:

?C: This symbol, if defined, indicates that <sys/mode.h> exists and

?C: should be included.

?C:.

?H:#\$i\_sysmode I\_SYSMODE /\*\*/

?H:.

?LINT:set i\_sysmode

: see if this is a sys/mode.h system

set sys/mode.h i\_sysmode

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_sysmode.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_localtime\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS: Copyright (c) 2006,2007 H.Merijn Brand

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_localtime\_r d\_localtime\_r\_needs\_tzset localtime\_r\_proto: Inlibc \

cat run Protochk Hasproto i\_systypes usethreads i\_time i\_systime \

rm\_try Compile extern\_C i\_stdlib i\_unistd i\_malloc

?MAKE: -pick add \$@ %<

?S:d\_localtime\_r:

?S: This variable conditionally defines the HAS\_LOCALTIME\_R symbol,

?S: which indicates to the C program that the localtime\_r()  
?S: routine is available.  
?S:.  
?S:d\_localtime\_r\_needs\_tzset:  
?S: This variable conditionally defines the LOCALTIME\_R\_NEEDS\_TZSET  
?S: symbol, which makes us call tzset before localtime\_r()  
?S:.  
?S:localtime\_r\_proto:  
?S: This  
variable encodes the prototype of localtime\_r.  
?S: It is zero if d\_localtime\_r is undef, and one of the  
?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_localtime\_r  
?S: is defined.  
?S:.  
?C:HAS\_LOCALTIME\_R:  
?C: This symbol, if defined, indicates that the localtime\_r routine  
?C: is available to localtime re-entrantly.  
?C:.  
?C:LOCALTIME\_R\_NEEDS\_TZSET:  
?C: Many libc's localtime\_r implementations do not call tzset,  
?C: making them differ from localtime(), and making timezone  
?C: changes using \$ENV{TZ} without explicitly calling tzset  
?C: impossible. This symbol makes us call tzset before localtime\_r  
?C:.  
?H:%<:#\$d\_localtime\_r\_needs\_tzset LOCALTIME\_R\_NEEDS\_TZSET /\*\*/  
?H:%<:#ifdef LOCALTIME\_R\_NEEDS\_TZSET  
?H:%<:#define L\_R\_TZSET tzset(),  
?H:%<:#else  
?H:%<:#define L\_R\_TZSET  
?H:%<:#endif  
?H:.  
?C:L\_R\_TZSET:  
?C: If localtime\_r() needs tzset, it is defined in this define  
?C:.  
?C:LOCALTIME\_R\_PROTO:  
?C: This symbol encodes the prototype of localtime\_r.  
?C: It is zero if d\_localtime\_r  
is undef, and one of the  
?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_localtime\_r  
?C: is defined.  
?C:.  
?H:#\$d\_localtime\_r HAS\_LOCALTIME\_R /\*\*/  
?H:#define LOCALTIME\_R\_PROTO \$localtime\_r\_proto /\*\*/  
?H:.  
?T:try hdrs d\_localtime\_r\_proto  
?F:!try  
: see if localtime\_r exists  
set localtime\_r d\_localtime\_r



```

eval $inlibc
case "$d_localtime_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_time time.h $i_systime sys/time.h"
case "$d_localtime_r_proto:$usetheads" in
":define") d_localtime_r_proto=define
set d_localtime_r_proto localtime_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_localtime_r_proto" in
define)
case "$localtime_r_proto" in
"|0) try='struct tm* localtime_r(const time_t*, struct tm*);'
./protochk "$extern_C $try" $hdrs && localtime_r_proto=S_TS ;;
esac
case "$localtime_r_proto" in
"|0) try='int localtime_r(const time_t*, struct tm*);'
./protochk "$extern_C $try" $hdrs && localtime_r_proto=I_TS ;;
esac
case "$localtime_r_proto" in
"|0) d_localtime_r=undef
localtime_r_proto=0
echo
"Disabling localtime_r, cannot determine prototype." >&4 ;;
* ) case "$localtime_r_proto" in
REENTRANT_PROTO*) ;;
*) localtime_r_proto="REENTRANT_PROTO_$localtime_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usetheads" in
define) echo "localtime_r has no prototype, not using it." >&4 ;;
esac
d_localtime_r=undef
localtime_r_proto=0
;;
esac
;;
*) localtime_r_proto=0
;;
esac

: see if localtime_r calls tzset
case "$localtime_r_proto" in
REENTRANT_PROTO*)
$cat >try.c <<EOCP

```

```

/* Does our libc's localtime_r call tzset ?
 * return 0 if so, 1 otherwise.
 */
#ifdef I_SYS_TYPES
#ifdef I_UNISTD
#ifdef I_TIME
#ifdef I_STDLIB
#ifdef I_MALLOC
#ifdef I_SYS_TYPES
# include <sys/types.h>
#endif
#ifdef I_UNISTD
# include <unistd.h>
#endif
#ifdef I_TIME
# include <time.h>
#endif
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#include <string.h>
#ifdef I_MALLOC
# include <malloc.h>
#endif
int
main()
{
    time_t t = time(0L);
    char w_tz[]="TZ" "=GMT+5",
    e_tz[]="TZ" "=GMT-5",
    *tz_e = (char*)malloc(16),
    *tz_w = (char*)malloc(16);
    struct tm tm_e, tm_w;
    memset(&tm_e,'\0',sizeof(struct tm));
    memset(&tm_w,'\0',sizeof(struct tm));
    strcpy(tz_e,e_tz);
    strcpy(tz_w,w_tz);

    putenv(tz_e);
    localtime_r(&t, &tm_e);

    putenv(tz_w);
    localtime_r(&t, &tm_w);

    if( memcmp(&tm_e, &tm_w, sizeof(struct tm)) == 0 )
return 1;
    return 0;
}

```

```
EOCP
set try
if eval $compile; then
    if $run ./try; then
        d_localtime_r_needs_tzset=undef;
        else
        d_localtime_r_needs_tzset=define;
        fi;
    else
        d_localtime_r_needs_tzset=undef;
    fi;
    ;;
*)
    d_localtime_r_needs_tzset=undef;
    ;;
esac
$rm_try
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_localtime_r.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_NeWS.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
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```
?RCS: as specified in the README file that comes with the distribution.
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```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_NeWS.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:05:39 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:d_news d_news0 d_newshome d_textcan: test rm Myread Getfile
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_news:
```

```
?S: Set if running NeWS 1.1
```

```
?S:.
```

```
?S:d_news0:
```

```
?S: Set if running NeWS 1.0
```

```
?S:.
```

```
?S:d_newshome:
```

```
?S: Path to the top directory of the NeWS structure.
```

```
?S:.
```

```

?S:d_textcan:
?S: Path to where the textcan.ps stuff is...
?S:.
?C:HAS_NEWS1_1 (NEWS1_1):
?C: This
symbol defined if running NeWS 1.1.
?C:.
?C:HAS_NEWS1_0 (NEWS1_0):
?C: This symbol defined if running NeWS 1.0.
?C:.
?C:TEXTCAN:
?C: Tells path to where the textcan.ps stuff is...
?C:.
?H:#$d_news HAS_NEWS1_1  /**/
?H:#$d_news0 HAS_NEWS1_0  /**/
?H:#define TEXTCAN $d_textcan /**/
?H:.
?INIT:: default path for NeWS
?INIT:d_newshome="/usr/NeWS"
?INIT:
: Check to see what version of NeWS is being run?
cd ..
echo " "
echo "Now for the interesting stuff... Lets see what kind of NeWS"
echo "they grow round here...."
echo " "
dflt='y'
if $test -d $d_newshome; then
d_newshome=`(cd $d_newshome ; /bin/pwd)`
echo "Ah...found myself a NeWS in $d_newshome..."
dflt='y'
rp="Is this the NeWS you want your children to grow up with?"
. UU/myread
fi
while $test $ans = "n"; do
dflt=$d_newshome
fn=d
rp="Path to NeWS you want:"
. UU/getfile
d_newshome=$ans

echo " "
if $test ! -d $d_newshome/lib; then
echo "ARG! No lib directory in $d_newshome!!!"
: heavy medicine. I wonder what the disease
is...
$rm -f kit*isdone
$rm -rf UU

```

```

: bye bye
set -t; echo "Sorry... no NeWS is bad news..."
fi

if $test -r $d_newshome/lib/NeWS/colors.ps ; then
echo 'Ahh... your running NeWS 1.1! Boy... that makes stuff easy....'
echo " "
d_news="$define"
d_news0="$undef"
if $test -r $d_newshome/lib/NeWS/textcan.ps; then
d_textcan=$d_newshome/lib/NeWS
echo "The textcan.ps stuff seems to be in : $d_textcan"
else
d_textcan=$d_newshome/clientsrc/client/nterm
if $test ! -r $d_textcan/textcan.ps; then
d_news="$undef"
d_news0="$define"
echo 'Hmm... must have been fooled... gotta be NeWS 1.1 beta!'
else
echo "The textcan.ps stuff seems to be in : $d_textcan"
fi
fi
else
echo 'snif... sniff... I smell the dilapidated smell of NeWS 1.0..'
echo 'Some things will not work under NeWS 1.0...!'
d_news="$undef"
d_news0="$define"
fi
cd UU

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_NeWS.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_fcntl.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
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```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_fcntl.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:06:01 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

?RCS:  
?MAKE:d\_fcntl: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_fcntl:  
?S: This variable conditionally defines the HAS\_FCNTL symbol, and indicates  
?S: whether the fcntl() function exists  
?S:.  
?C:HAS\_FCNTL:  
?C: This symbol, if defined, indicates to the C program that  
?C: the fcntl() function exists.  
?C:.  
?H:#\$d\_fcntl HAS\_FCNTL /\*\*/  
?H:.  
?LINT:set d\_fcntl  
:  
  see if this is an fcntl system  
  set fcntl d\_fcntl  
  eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_fcntl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Rcs.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: Rcs.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:05:15 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This is a unit that helps people who write SH scripts and keep them under  
?X: RCS, but don't think to protect the \$Log and other \$Id keywords from  
?X: variable substitution (or people like me who do not like to).  
?X:  
?MAKE:Author Date Header Id Locker Log RCSfile Revision Source State: Oldconfig  
?MAKE: -pick weed \$@ %<  
?LINT:describe Author  
  Date Header Id Locker Log RCSfile Revision Source State  
: preserve RCS keywords in files with variable substitution, grrr

?Author:Author='\$Author'  
?Date:Date='\$Date'  
?Header:Header='\$Header'  
?Id:Id='\$Id'  
?\$Locker'  
?Log:Log='\$Log'  
?RCSfile:RCSfile='\$RCSfile'  
?Revision:Revision='\$Revision'  
?Source:Source='\$Source'  
?State:State='\$State'

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Rcs.U

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_log1p: Inlibc

?MAKE: -pick add @\$ %<

?S:d\_log1p:

?S: This variable conditionally defines the HAS\_LOG1P symbol, which

?S: indicates to the C program that the logp1() routine is available

?S: to compute  $\log(1 + x)$  for values of  $x$  close to zero.

?S:.

?C:HAS\_LOG1P:

?C: This symbol, if defined, indicates that the log1p routine is

?C: available to do the logarithm of 1 plus argument function.

?C:.

?H:#\$d\_log1p HAS\_LOG1P /\*\*/

?H:.

?LINT:set d\_log1p

: see if log1p exists

set log1p d\_log1p

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_log1p.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: intsize.U,v 3.0.1.2 1997/02/28 15:55:26 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: intsize.U,v \$  
?RCS: Revision 3.0.1.2 1997/02/28 15:55:26 ram  
?RCS: patch61: avoid prompting the user if the test runs ok  
?RCS: patch61: moved code from longsize.U into there  
?RCS: patch61: new tests for shortsize as well  
?RCS:  
?RCS: Revision 3.0.1.1 1994/10/29 16:21:06 ram  
?RCS: patch36: added ?F: line for metalint file checking  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:08:52 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:intsize longsize  
shortsize: Compile Myread cat run i\_stdlib rm\_try  
?MAKE: -pick add \$@ %<  
?S:intsize:  
?S: This variable contains the value of the INTSIZE symbol, which  
?S: indicates to the C program how many bytes there are in an int.  
?S:.  
?S:longsize:  
?S: This variable contains the value of the LONGSIZE symbol, which  
?S: indicates to the C program how many bytes there are in a long.  
?S:.  
?S:shortsize:  
?S: This variable contains the value of the SHORTSIZE symbol which  
?S: indicates to the C program how many bytes there are in a short.  
?S:.  
?C:INTSIZE:  
?C: This symbol contains the value of sizeof(int) so that the C  
?C: preprocessor can make decisions based on it.  
?C:.  
?C:LONGSIZE:  
?C: This symbol contains the value of sizeof(long) so that the C  
?C: preprocessor can make decisions based on it.  
?C:.  
?C:SHORTSIZE:  
?C: This symbol contains the value of sizeof(short) so that the C  
?C: preprocessor can make decisions based on it.  
?C:.  
?H:#define INTSIZE \$intsize /\*\*/  
?H:#define LONGSIZE \$longsize /\*\*/  
?H:#define  
SHORTSIZE \$shortsize /\*\*/  
?H:.



```

?F:!try
: check for lengths of integral types
echo " "
case "$intsize" in
")
echo "Checking to see how big your integers are..." >&4
$cat >try.c <<EOCP
#include <stdio.h>
#$i_stdlib L_STDLIB
#ifdef I_STDLIB
#include <stdlib.h>
#endif
int main()
{
@if INTSIZE || intsize
printf("intsize=%d;\n", (int)sizeof(int));
@end
@if LONGSIZE || longsize
printf("longsize=%d;\n", (int)sizeof(long));
@end
@if SHORTSIZE || shortsize
printf("shortsize=%d;\n", (int)sizeof(short));
@end
exit(0);
}
EOCP
set try
if eval $compile_ok && $run ./try > /dev/null; then
eval ` $run ./try `
@if INTSIZE || intsize
echo "Your integers are $intsize bytes long."
@end
@if LONGSIZE || longsize
echo "Your long integers are $longsize bytes long."
@end
@if SHORTSIZE || shortsize
echo "Your short integers are $shortsize bytes long."
@end
else
$cat >&4 <<EOM
!
Help! I can't compile and run the intsize test program: please enlighten me!
(This is probably a misconfiguration
in your system or libraries, and
you really ought to fix it. Still, I'll try anyway.)
!
EOM
@if INTSIZE || intsize

```

```

dflt=4
rp="What is the size of an integer (in bytes)?"
./myread
intsize="$ans"
@end
@if LONGSIZE || longsize
dflt=$intsize
rp="What is the size of a long integer (in bytes)?"
./myread
longsize="$ans"
@end
@if SHORTSIZE || shortsize
dflt=2
rp="What is the size of a short integer (in bytes)?"
./myread
shortsize="$ans"
@end
fi
;;
esac
$rm_try

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/a_dvisory/intsize.U
```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_endhent.U,v 3.0 1993/08/18 12:06:09 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: d_endhent.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:09 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_endhent: Inlibc
?MAKE: -pick add $@ %<
?S:d_endhent:
?S: This variable conditionally defines HAS_ENDHOSTENT if endhostent() is
?S: available to close whatever was being used for host queries.
?S:.
?C:HAS_ENDHOSTENT:

```

?C: This symbol, if defined, indicates that the endhostent() routine is  
?C: available to close whatever was being used for host  
queries.  
?C:.  
?H:#\$d\_endhent HAS\_ENDHOSTENT /\*\*/  
?H:.  
?LINT:set d\_endhent  
: see if endhostent exists  
set endhostent d\_endhent  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_endhent.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: gidtype.U,v 3.0.1.3 1994/08/29 16:21:44 ram Exp \$  
?RCS:  
?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: gidtype.U,v \$  
?RCS: Revision 3.0.1.3 1994/08/29 16:21:44 ram  
?RCS: patch32: now uses new Typedef unit to compute type information  
?RCS: patch32: removed useless usage of Setvar (for now)  
?RCS:  
?RCS: Revision 3.0.1.2 1994/05/13 15:21:07 ram  
?RCS: patch27: added lint hint  
?RCS:  
?RCS: Revision 3.0.1.1 1994/05/06 15:01:51 ram  
?RCS: patch23: protected gidtype setting via setvar (ADO)  
?RCS: patch23: made Gid\_t comment more explicit (ADO)  
?RCS:  
?RCS: Revision  
3.0 1993/08/18 12:08:11 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:gidtype: Myread Typedef Findhdr  
?MAKE: -pick add \$@ %<  
?S:gidtype:  
?S: This variable defines Gid\_t to be something like gid\_t, int,  
?S: ushort, or whatever type is used to declare the return type  
?S: of getgid(). Typically, it is the type of group ids in the kernel.

?S:.

?C:Gid\_t (GIDTYPE):

?C: This symbol holds the return type of getgid() and the type of

?C: argument to setrgid() and related functions. Typically,

?C: it is the type of group ids in the kernel. It can be int, ushort,

?C: gid\_t, etc... It may be necessary to include <sys/types.h> to get

?C: any typedef'ed information.

?C:.

?H:#define Gid\_t \$gidtype /\* Type for getgid(), etc... \*/

?H:.

?T:xxx

: see what type gids are declared as in the kernel

echo " "

echo "Looking for the type for group ids returned by getgid()."

set gid\_t gidtype xxx stdio.h sys/types.h

eval \$typedef

case "\$gidtype" in

xxx)

xxx=`./findhdr sys/user.h`

set `grep

'groups\[\NGROUPS\];' "\$xxx" 2>/dev/null` unsigned short

case \$1 in

unsigned) dflt="\$1 \$2" ;;

\*) dflt="\$1" ;;

esac

::

\*) dflt="\$gidtype";;

esac

case "\$gidtype" in

gid\_t) echo "gid\_t found." ;;

\*) rp="What is the type for group ids returned by getgid()?"

. ./myread

gidtype="\$ans"

::

esac

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/gidtype.U

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_llroundl: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_llroundl:

?S: This variable conditionally defines the HAS\_LLROUNDL symbol, which

?S: indicates to the C program that the llroundl() routine is available

?S: to return the long long value nearest to x away from zero.

?S:.

?C:HAS\_LLROUNDL:

?C: This symbol, if defined, indicates that the llroundl routine is

?C: available to return the nearest long long value away from zero of

?C: the long double argument value.

?C:.

?H:#\$d\_llroundl HAS\_LLROUNDL /\*\*/

?H:.

?LINT:set d\_llroundl

: see if llroundl exists

set llroundl d\_llroundl

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_llroundl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: perl5.U,v \$

?RCS:

?RCS: Copyright (c) 2000 Andrew Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: \$Log: perl5.U,v \$

?RCS:

?X:

?X: The purpose of this unit is to locate a previously installed

?X: version of perl5 suitable for running inc\_version\_list.U.

?X: We check for 5.005 and later because inc\_version\_list is

?X: irrelevant for earlier versions.

?X:

?MAKE:perl5: path\_sep binexp test sed exe\_ext

?MAKE: -pick add \$@ %<

?Y:TOP

?S:perl5:

?S: This variable contains the full path (if any) to a previously

?S: installed perl5.005 or later suitable for running the script

?S: to determine inc\_version\_list.

?S:.

?T: tdir

: Find perl5.005 or later.

echo "Looking for a previously installed perl5.005 or later... "

case "\$perl5" in

) for tdir in `echo "\$binexp\$path\_sep\$PATH" | \$sed "s/\$path\_sep/

```

/g"; do
: Check if this perl is recent and can load a simple module
if $test -x $tdir/perl$exe_ext && $tdir/perl -Mless -e 'use 5.005;' >/dev/null 2>&1; then
perl5=$tdir/perl
break;
elif $test -x $tdir/perl5$exe_ext && $tdir/perl5 -Mless -e 'use 5.005;' >/dev/null 2>&1; then
perl5=$tdir/perl5
break;
fi
done
;;
*) perl5="$perl5"
;;
esac
case "$perl5" in
) echo "None found. That's ok.";;
*) echo "Using $perl5." ;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/perl5.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_pipe.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_pipe.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:11:44 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:d\_pipe: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_pipe:

?S: This variable conditionally defines the HAS\_PIPE symbol, which

?S: indicates to the C program that the pipe() routine is available

?S: to create an inter-process channel.

?S:.

?C:HAS\_PIPE :

?C: This symbol, if defined, indicates  
that the pipe routine is  
?C: available to create an inter-process channel.  
?C:.  
?H:#\$d\_pipe HAS\_PIPE /\*\*/  
?H:.  
?LINT:set d\_pipe  
: see if pipe exists  
set pipe d\_pipe  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_pipe.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_fcntl.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: i\_fcntl.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:08:18 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:i\_fcntl: h\_fcntl h\_sysfile +i\_sysfile Inhdr Setvar  
?MAKE: -pick add \$@ %<  
?S:i\_fcntl:  
?S: This variable controls the value of I\_FCNTL (which tells  
?S: the C program to include <fcntl.h>).  
?S:.  
?C:I\_FCNTL (HDR\_O\_STUFF FCNTL):  
?C: This manifest constant tells the C program to include <fcntl.h>.  
?C:.  
?H:#\$i\_fcntl I\_FCNTL /\*\*/  
?H:.  
?T:val  
?X:  
Make line lists +i\_sysfile to ensure tests for <sys/file.h> will be  
?X: conducted prior tests for <fcntl.h>, hece making sure the h\_sysfile  
?X: variable is correctly set when we reach that unit.  
?LINT:set i\_fcntl  
?LINT:use i\_sysfile

```

?LINT:change h_fcntl
: see if fcntl.h is there
val="
set fcntl.h val
eval $inhdr

: see if we can include fcntl.h
case "$val" in
"$define")
echo " "
if $h_fcntl; then
val="$define"
echo "We'll be including <fcntl.h>." >&4
else
val="$undef"
if $h_sysfile; then
echo "We don't need to include <fcntl.h> if we include <sys/file.h>." >&4
else
echo "We won't be including <fcntl.h>." >&4
fi
fi
;;
*)
h_fcntl=false
val="$undef"
;;
esac
set i_fcntl
eval $setvar

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_fcntl.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Begin.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
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```
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```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: Begin.U,v $
```

```
?RCS: Revision 3.0.1.3 1997/02/28 14:56:35 ram
```

```
?RCS: patch61: added Extractall dependency
```



?RCS:  
?RCS: Revision 3.0.1.2 1995/01/30 14:25:08 ram  
?RCS: patch49: avoid an empty rmlist: systems might choke on it (WED)  
?RCS:  
?RCS: Revision 3.0.1.1 1994/10/31 09:32:20 ram  
?RCS: patch44: created  
?RCS:  
?X:  
?X: This file comes after option processing had been done and after all  
?X: the default values have been set up. It marks the beginning  
of questions.  
?X: It is important that Options be listed \*after\* Myinit to ensure that the  
?X: default initializations performed by Init and Myinit will not clobber  
?X: any setting done on the command line via -D or -U.  
?X:  
?MAKE:Begin: Myinit Options package Extractall  
?MAKE: -pick add \$@ %<  
: Eunice requires " " instead of "", can you believe it  
echo " "  
: Here we go...  
echo "Beginning of configuration questions for \$package."

?X: Make sure the rm below is given a non-empty list for some systems.  
?X: This is run only when within the UU directory, hence we can safely  
?X: attempt to rm a non-existent 'X' file...  
trap 'echo " "; test -d ../UU && rm -rf X \$rmlist; exit 1' 1 2 3 15

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Begin.U

No license file was found, but licenses were detected in source scan.

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:  
?MAKE:d\_remquo: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_remquo:  
?S: This variable conditionally defines the HAS\_REMQUO symbol, which  
?S: indicates to the C program that the remquo() routine is available.  
?S:.  
?C:HAS\_REMQUO:  
?C: This symbol, if defined, indicates that the remquo routine is  
?C: available to return the remainder and part of quotient.  
?C:.  
?H:#\$d\_remquo HAS\_REMQUO /\*\*/  
?H:.  
?LINT:set d\_remquo

```
: see if remquo exists
set remquo d_remquo
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_remquo.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_memset.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
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```

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```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_memset.U,v $
```

```
?RCS: Revision 3.0.1.1 1993/09/13 16:03:11 ram
```

```
?RCS: patch10: removed text recommending bzero over memset (WAD)
```

```
?RCS:
```

```
?RCS: Revision 3.0 1993/08/18 12:06:36 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:d_memset: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_memset:
```

```
?S: This variable conditionally defines the HAS_MEMSET symbol, which
```

```
?S: indicates to the C program that the memset() routine is available
```

```
?S: to set blocks of memory.
```

```
?S:.
```

```
?C:HAS_MEMSET
```

```
(MEMSET):
```

```
?C: This symbol, if defined, indicates that the memset routine is available
```

```
?C: to set blocks of memory.
```

```
?C:.
```

```
?H:#$d_memset HAS_MEMSET /**/
```

```
?H:.
```

```
?LINT:set d_memset
```

```
: see if memset exists
```

```
set memset d_memset
```

```
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_memset.U
```

No license file was found, but licenses were detected in source scan.

```
# $Id: errnolist.a,v 3.0 1993/08/18 12:04:35 ram Exp ram $
#
# Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
#
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# as specified in the README file that comes with the distribution.
# You may reuse parts of this distribution only within the terms of
# that same Artistic Licence; a copy of which may be found at the root
# of the source tree for dist 4.0.
#
# Original Author: Harlan Stenn <harlan@mumps.pfcs.com>
#
# $Log: errnolist.a,v $
# Revision 3.0 1993/08/18 12:04:35 ram
# Baseline for dist 3.0 netwide release.
#
#
# This is a simple-minded awk script to generate an initialization for
# sys_errnolist on systems that don't have it.
# This file now depends only on sys/errno.h error numbers under maxerr being
# in order. It will complain and die if not. NOTE: It will still produce
# a compilable output file, even with errors, so you
# must check the output.

BEGIN {
    format = "\t\"%s\", \n"
    printf("/**\n** This is a generated file. Do NOT edit it unless you really have to...\n*/\n")
    printf("char *sys_errnolist[] = {\n")
    maxerr = 89
}

$1=="#define" {
    if(count > maxerr || substr($2,1,1) != "E")
        next # we're not interested
    if($3 < count) { # this is bad
        printf("Fatal error: %s out of order at %s\n", \
            FILENAME, $2)>"/dev/tty"
        exit 1
    }
    # fill in the blanks
    while($3 > count) {
        dummy=sprintf("EDUMMY%d",count)
        printf(format,dummy)
        count++
    }
}
```

```

printf(format,$2)
count++
}

END {
printf("\t0\n");\n")
}

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/errnolist.a
```

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_llround: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_llround:

?S: This variable conditionally defines the HAS\_LLROUND symbol, which

?S: indicates to the C program that the llround() routine is available

?S: to return the long long value nearest to x.

?S:.

?C:HAS\_LLROUND:

?C: This symbol, if defined, indicates that the llround routine is

?C: available to return the nearest long long value.

?C:.

?H:#\$d\_llround HAS\_LLROUND /\*\*/

?H:.

?LINT:set d\_llround

: see if llround exists

set llround d\_llround

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_llround.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getpagsz.U,v 3.0.1.1 1994/10/29 16:13:10 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:  
?RCS: \$Log: d\_getpagsz.U,v \$  
?RCS: Revision 3.0.1.1 1994/10/29 16:13:10 ram  
?RCS: patch36: added ?F: line for metalint file checking  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:06:14 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_getpagsz: Compile Oldconfig Myread Inlibc Findhdr  
?MAKE: -pick add \$@ %<  
?S:d\_getpagsz:  
?S: This variable conditionally defines HAS\_GETPAGESIZE if getpagesize()  
?S: is available to get the system page size.  
?S:.  
?C:HAS\_GETPAGESIZE  
(GETPAGESIZE):  
?C: This symbol, if defined, indicates that the getpagesize system call  
?C: is available to get system page size, which is the granularity of  
?C: many memory management calls.  
?C:.  
?H:#\$d\_getpagsz HAS\_GETPAGESIZE /\*\*/  
?H:.  
?LINT:set d\_getpagsz  
: see if getpagesize exists  
set getpagesize d\_getpagsz  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d\_getpagsz.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getsent.U,v 3.0 1993/08/18 12:06:09 ram Exp \$  
?RCS:  
?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: d\_getsent.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:09 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_getsent: Inlibc  
?MAKE: -pick add \$@ %<

?S:d\_getsent:

?S: This variable conditionally defines HAS\_GETSERVENT if getservent() is

?S: available to look up network services in some data base or another.

?S:.

?C:HAS\_GETSERVENT:

?C: This symbol, if defined, indicates that the getservent() routine is

?C: available to look up network services in some  
data base or another.

?C:.

?H:#\$d\_getsent HAS\_GETSERVENT /\*\*/

?H:.

?LINT:set d\_getsent

: see if getservent exists

set getservent d\_getsent

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_getsent.U

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?RCS:

?MAKE:d\_scalbn: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_scalbn:

?S: This variable conditionally defines the HAS\_SCALBN symbol, which

?S: indicates to the C program that the scalbn() routine is available.

?S:.

?C:HAS\_SCALBN:

?C: This symbol, if defined, indicates that the scalbn routine is

?C: available to multiply floating-point number by integral power

?C: of radix.

?C:.

?H:#\$d\_scalbn HAS\_SCALBN /\*\*/

?H:.

?LINT:set d\_scalbn

: see if scalbn exists

set scalbn d\_scalbn

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_scalbn.U

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?RCS:

?MAKE:d\_memrchr: Inlibc Hasproto d\_gnulibc

?MAKE: -pick add \$@ %<

?S:d\_memrchr:

?S: This variable conditionally defines the HAS\_MEMRCHR symbol, which

?S: indicates to the C program that the memrchr() routine is available

?S: to return a pointer to the last occurrence of a byte in a memory

?S: area (or NULL if not found).

?S:.

?C:HAS\_MEMRCHR:

?C: This symbol, if defined, indicates that the memrchr routine is

?C: available to return a pointer to the last occurrence of a byte in

?C: a memory area (or NULL if not found).

?C:.

?H:#\$d\_memrchr HAS\_MEMRCHR /\*\*/

?H:.

?T:d\_memrchr\_proto xx1 xx2 xx3 xx4

?LINT:set d\_memrchr

: see if memrchr exists

: We need both a prototype in string.h and the symbol in libc.

echo " "

d\_memrchr\_proto="

xx1="#\$d\_gnulibc HAS\_GNULIBC"

xx2='#if defined(HAS\_GNULIBC)

&& !defined(\_GNU\_SOURCE)'

xx3='# define \_GNU\_SOURCE'

xx4='#endif'

set d\_memrchr\_proto memrchr literal "\$xx1" literal "\$xx2" literal "\$xx3" literal "\$xx4" define string.h

eval \$hasproto

case "\$d\_memrchr\_proto" in

define) # see if memrchr exists

set memrchr d\_memrchr

eval \$inlibc

::

\*) val=\$undef

set d\_memrchr

eval \$setvar

::

esac

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_memrchr.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_stdstdio.U,v 3.0.1.3 1997/02/28 15:46:32 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: Original Author: Tye McQueen <tye@metronet.com>

?RCS:

?RCS: \$Log: d\_stdstdio.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 15:46:32 ram

?RCS: patch61: merged with perl5's unit

?RCS:

?RCS: Revision 3.0.1.2 1995/07/25 14:06:54 ram

?RCS: patch56: typo fix on ?C: line for FILE\_bufsiz

?RCS: patch56: fixed unbalanced parenthesis (ADO)

?RCS: patch56: check whether FILE\_cnt and FILE\_ptr can be assigned to (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1995/05/12 12:12:11 ram

?RCS:

patch54: complete rewrite by Tye McQueen to fit modern systems

?RCS:

?RCS: Revision 3.0 1993/08/18 12:07:31 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_stdstdio d\_stdiobase stdio\_ptr stdio\_cnt \  
d\_stdio\_ptr\_lval\_sets\_cnt d\_stdio\_ptr\_lval\_nochange\_cnt stdio\_base \  
stdio\_bufsiz d\_stdio\_cnt\_lval d\_stdio\_ptr\_lval stdio\_filbuf: cat \  
Compile contains rm\_try d\_gnulibc gnulibc\_version i\_stdlib \  
Setvar Findhdr Oldconfig run to

?MAKE: -pick weed \$@ %<

?S:d\_stdstdio:

?S: This variable conditionally defines USE\_STDIO\_PTR if this system  
?S: has a FILE structure declaring usable \_ptr and \_cnt fields (or  
?S: equivalent) in stdio.h.

?S:.

?S:stdio\_ptr:

?S: This variable defines how, given a FILE pointer, fp, to access the  
?S: \_ptr field (or equivalent) of stdio.h's FILE structure. This will  
?S: be used to define the macro FILE\_ptr(fp).

?S:.

?S:d\_stdio\_ptr\_lval:

?S: This variable conditionally defines STDIO\_PTR\_LVALUE if the  
?S: FILE\_ptr macro can be used as an lvalue.

?S:.

?S:stdio\_cnt:

?S: This



variable defines how, given a FILE pointer, fp, to access the

?S: `_cnt` field (or equivalent) of `stdio.h`'s FILE structure. This will

?S: be used to define the macro `FILE_cnt(fp)`.

?S:.

?S:`d_stdio_cnt_lval`:

?S: This variable conditionally defines `STDIO_CNT_LVALUE` if the

?S: `FILE_cnt` macro can be used as an lvalue.

?S:.

?S:`d_stdio_ptr_lval_sets_cnt`:

?S: This symbol is defined if using the `FILE_ptr` macro as an lvalue

?S: to increase the pointer by `n` has the side effect of decreasing the

?S: value of `File_cnt(fp)` by `n`.

?S:.

?S:`d_stdio_ptr_lval_nochange_cnt`:

?S: This symbol is defined if using the `FILE_ptr` macro as an lvalue

?S: to increase the pointer by `n` leaves `File_cnt(fp)` unchanged.

?S:.

?S:`stdio_filbuf`:

?S: This variable defines how, given a FILE pointer, fp, to tell

?S: `stdio` to refill its internal buffers (?). This will

?S: be used to define the macro `FILE_filbuf(fp)`.

?S:.

?S:`d_stdibase`:

?S: This variable conditionally defines `USE_STDIO_BASE` if this system

?S: has

    a FILE structure declaring a usable `_base` field (or equivalent)

?S: in `stdio.h`.

?S:.

?S:`stdio_base`:

?S: This variable defines how, given a FILE pointer, fp, to access the

?S: `_base` field (or equivalent) of `stdio.h`'s FILE structure. This will

?S: be used to define the macro `FILE_base(fp)`.

?S:.

?S:`stdio_bufsiz`:

?S: This variable defines how, given a FILE pointer, fp, to determine

?S: the number of bytes store in the I/O buffer pointer to by the

?S: `_base` field (or equivalent) of `stdio.h`'s FILE structure. This will

?S: be used to define the macro `FILE_bufsiz(fp)`.

?S:.

?C:`USE_STDIO_PTR ~ d_stdstdio (USE_STD_STDIO STDSTDIO)`:

?C: This symbol is defined if the `_ptr` and `_cnt` fields (or similar)

?C: of the `stdio` FILE structure can be used to access the `stdio` buffer

?C: for a file handle. If this is defined, then the `FILE_ptr(fp)`

?C: and `FILE_cnt(fp)` macros will also be defined and should be used

?C: to access these fields.

?C:.

?C:`FILE_ptr`:

?C: This macro is used to access the `_ptr`

field (or equivalent) of the

?C: FILE structure pointed to by its argument. This macro will always be

?C: defined if USE\_STDIO\_PTR is defined.

?C:.

?C:STDIO\_PTR\_LVALUE:

?C: This symbol is defined if the FILE\_ptr macro can be used as an

?C: lvalue.

?C:.

?C:FILE\_cnt:

?C: This macro is used to access the \_cnt field (or equivalent) of the

?C: FILE structure pointed to by its argument. This macro will always be

?C: defined if USE\_STDIO\_PTR is defined.

?C:.

?C:STDIO\_CNT\_LVALUE:

?C: This symbol is defined if the FILE\_cnt macro can be used as an

?C: lvalue.

?C:.

?C:STDIO\_PTR\_LVAL\_SETS\_CNT:

?C: This symbol is defined if using the FILE\_ptr macro as an lvalue

?C: to increase the pointer by n has the side effect of decreasing the

?C: value of File\_cnt(fp) by n.

?C:.

?C:STDIO\_PTR\_LVAL\_NOCHANGE\_CNT:

?C: This symbol is defined if using the FILE\_ptr macro as an lvalue

?C: to increase the pointer by n leaves File\_cnt(fp) unchanged.

?C:.

?C:FILE\_filbuf:

?C: This macro is used to access the internal stdio

\_filbuf function

?C: (or equivalent), if STDIO\_CNT\_LVALUE and STDIO\_PTR\_LVALUE

?C: are defined. It is typically either \_filbuf or \_\_filbuf.

?C: This macro will only be defined if both STDIO\_CNT\_LVALUE and

?C: STDIO\_PTR\_LVALUE are defined.

?C:.

?H:?d\_stdstdio:#\$d\_stdstdio USE\_STDIO\_PTR /\*\*/

?H:?d\_stdstdio:#ifdef USE\_STDIO\_PTR

?H:#define FILE\_ptr(fp) \$stdio\_ptr

?H:#\$d\_stdstdio\_ptr\_lval STDIO\_PTR\_LVALUE /\*\*/

?H:#define FILE\_cnt(fp) \$stdio\_cnt

?H:#\$d\_stdstdio\_cnt\_lval STDIO\_CNT\_LVALUE /\*\*/

?H:#\$d\_stdstdio\_ptr\_lval\_sets\_cnt STDIO\_PTR\_LVAL\_SETS\_CNT /\*\*/

?H:#\$d\_stdstdio\_ptr\_lval\_nochange\_cnt STDIO\_PTR\_LVAL\_NOCHANGE\_CNT /\*\*/

?H:?FILE\_filbuf:#if defined(STDIO\_PTR\_LVALUE) && defined(STDIO\_CNT\_LVALUE)

?H:?FILE\_filbuf:#define FILE\_filbuf(fp) \$stdio\_filbuf /\*\*/

?H:?FILE\_filbuf:#endif

?H:?d\_stdstdio:#endif

?H:.

?W:d\_stdstdio:FILE\_ptr FILE\_cnt FILE\_filbuf

?C:USE\_STDIO\_BASE ~ d\_stdibase:  
 ?C: This symbol is defined if the \_base field (or similar) of the  
 ?C: stdio FILE structure can be used to access the  
 stdio buffer for  
 ?C: a file handle. If this is defined, then the FILE\_base(fp) macro  
 ?C: will also be defined and should be used to access this field.  
 ?C: Also, the FILE\_bufsiz(fp) macro will be defined and should be used  
 ?C: to determine the number of bytes in the buffer. USE\_STDIO\_BASE  
 ?C: will never be defined unless USE\_STDIO\_PTR is.  
 ?C:.

?C:FILE\_base:  
 ?C: This macro is used to access the \_base field (or equivalent) of the  
 ?C: FILE structure pointed to by its argument. This macro will always be  
 ?C: defined if USE\_STDIO\_BASE is defined.  
 ?C:.

?C:FILE\_bufsiz:  
 ?C: This macro is used to determine the number of bytes in the I/O  
 ?C: buffer pointed to by \_base field (or equivalent) of the FILE  
 ?C: structure pointed to its argument. This macro will always be defined  
 ?C: if USE\_STDIO\_BASE is defined.  
 ?C:.

```
?H:?d_stdibase:#$d_stdibase USE_STDIO_BASE /**/  

?H:?d_stdibase:#ifdef USE_STDIO_BASE  

?H:#define FILE_base(fp) $stdio_base  

?H:#define FILE_bufsiz(fp) $stdio_bufsiz  

?H:?d_stdibase:#endif  

?H:.
```

```
?W:d_stdibase:FILE_base  

FILE_bufsiz  

?T:ptr_lval cnt_lval filbuf xxx  

?F:!try  

?LINT:set d_stdstdio d_stdibase  

: see if _ptr and _cnt from stdio act std  

echo " "
```

```
if $contains '_lbfsize' `./findhdr stdio.h` >/dev/null 2>&1 ; then  

echo "(Looks like you have stdio.h from BSD.)"  

case "$stdio_ptr" in  

") stdio_ptr='((fp)->_p)'  

ptr_lval=$define  

;;  

*) ptr_lval=$d_stdio_ptr_lval;  

esac  

case "$stdio_cnt" in  

") stdio_cnt='((fp)->_r)'  

cnt_lval=$define  

;;  

*) cnt_lval=$d_stdio_cnt_lval;
```

```

esac
case "$stdio_base" in
") stdio_base='((fp)->_ub._base ? (fp)->_ub._base : (fp)->_bf._base)';;
esac
case "$stdio_bufsiz" in
") stdio_bufsiz='((fp)->_ub._base ? (fp)->_ub._size : (fp)->_bf._size)';;
esac
elif $contains '_IO_fpos_t' `./findhdr stdio.h` `./findhdr libio.h` >/dev/null 2>&1 ; then
echo "(Looks like you have stdio.h from Linux.)"
case "$stdio_ptr" in
") stdio_ptr='((fp)->_IO_read_ptr)'
ptr_lval=$define
;;
*) ptr_lval=$d_stdio_ptr_lval;;
esac
case "$stdio_cnt"
in
") stdio_cnt='((fp)->_IO_read_end - (fp)->_IO_read_ptr)'
cnt_lval=$undef
;;
*) cnt_lval=$d_stdio_cnt_lval;;
esac
case "$stdio_base" in
") stdio_base='((fp)->_IO_read_base)';;
esac
case "$stdio_bufsiz" in
") stdio_bufsiz='((fp)->_IO_read_end - (fp)->_IO_read_base)';;
esac
else
case "$stdio_ptr" in
") stdio_ptr='((fp)->_ptr)'
ptr_lval=$define
;;
*) ptr_lval=$d_stdio_ptr_lval;;
esac
case "$stdio_cnt" in
") stdio_cnt='((fp)->_cnt)'
cnt_lval=$define
;;
*) cnt_lval=$d_stdio_cnt_lval;;
esac
case "$stdio_base" in
") stdio_base='((fp)->_base)';;
esac
case "$stdio_bufsiz" in
") stdio_bufsiz='((fp)->_cnt + (fp)->_ptr - (fp)->_base)';;
esac
fi

```

```

: test whether _ptr and _cnt really work
echo "Checking how std your stdio is..." >&4
$cat >try.c <<EOP
#include <stdio.h>
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#define FILE_ptr(fp) $stdio_ptr
#define FILE_cnt(fp) $stdio_cnt
int main() {
FILE *fp = fopen("try.c", "r");
char c =getc(fp);
if
(
18 <= FILE_cnt(fp) &&
strcmp(FILE_ptr(fp), "include <stdio.h>\n", 18) == 0
)
exit(0);
exit(1);
}
EOP
val="$undef"
set try
if eval $compile && $to try.c; then
if $run ./try; then
echo "Your stdio acts pretty std."
val="$define"
else
echo "Your stdio isn't very std."
fi
else
echo "Your stdio doesn't appear very std."
fi
$rm_try

# glibc 2.2.90 and above apparently change stdio streams so Perl's
# direct buffer manipulation no longer works. The Configure tests
# should be changed to correctly detect this, but until then,
# the following check should at least let perl compile and run.
# (This quick fix should be updated before 5.8.1.)
# To be defensive, reject all unknown versions, and all versions > 2.2.9.
# A. Dougherty, June 3, 2002.
case "$d_gnulibc" in
$define)
case "$gnulibc_version" in
2.[01]*) ;;

```

```

2.2) ;;
2.2.[0-9]) ;;
*) echo "But I will not snoop inside glibc $gnulibc_version stdio buffers."
  val="$undef"
  ;;
esac
;;
esac
set d_stdstdio
eval
$setvar

```

```

@if STDIO_PTR_LVALUE || d_stdio_ptr_lval
: Can _ptr be used as an lvalue?
?X: Only makes sense if we have a known stdio implementation.
case "$d_stdstdio$ptr_lval" in
$define$define) val=$define ;;
*) val=$undef ;;
esac
set d_stdio_ptr_lval
eval $setvar
@end

```

```

@if STDIO_CNT_LVALUE || d_stdio_cnt_lval
: Can _cnt be used as an lvalue?
?X: Only makes sense if we have a known stdio implementation.
case "$d_stdstdio$cnt_lval" in
$define$define) val=$define ;;
*) val=$undef ;;
esac
set d_stdio_cnt_lval
eval $setvar
@end

```

```

@if FILE_filbuf
: How to access the stdio _filbuf or __filbuf function.
: If this fails, check how the getc macro in stdio.h works.
case "${d_stdio_ptr_lval}${d_stdio_cnt_lval}" in
${define}${define})
: Try $hint value, if any, then _filbuf, __filbuf, _fill, then punt.
: _fill is for os/2.
xxx='notok'
for filbuf in $stdio_filbuf '_filbuf(fp)' '__filbuf(fp)' '_fill(fp)'; do
$cat >try.c <<EOP
#include <stdio.h>
#i_stdlib I_STDLIB
#ifdef I_STDLIB
#include <stdlib.h>

```

```

#endif
#define
FILE_ptr(fp) $stdio_ptr
#define FILE_cnt(fp) $stdio_cnt
#define FILE_filbuf(fp) $filbuf
int main() {
FILE *fp = fopen("try.c", "r");
int c;
c = getc(fp);
c = FILE_filbuf(fp); /* Just looking for linker errors.*/
exit(0);
}
EOP
set try
if eval $compile && $to try.c && $run ./try; then
echo "Your stdio appears to use $filbuf"
stdio_filbuf="$filbuf"
xxx='ok'
break
else
echo "Hmm. $filbuf doesn't seem to work."
fi
$rm_try
done
case "$xxx" in
notok) echo "I can't figure out how to access _filbuf"
echo "I'll just have to work around it."
d_stdio_ptr_lval="$undef"
d_stdio_cnt_lval="$undef"
;;
esac
;;
esac
@end

@if STDIO_PTR_LVALUE
: test whether setting _ptr sets _cnt as a side effect
d_stdio_ptr_lval_sets_cnt="$undef"
d_stdio_ptr_lval_nochange_cnt="$undef"
case "$d_stdio_ptr_lval$d_stdstdio" in
$define$define)
echo "Checking to see what happens if we set the stdio ptr..." >&4
$cat >try.c <<EOP
#include <stdio.h>
/* Can
we scream? */
/* Eat dust sed :-) */
/* In the buffer space, no one can hear you scream. */

```

```

#$i_stdlib I_STDLIB
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#define FILE_ptr(fp) $stdio_ptr
#define FILE_cnt(fp) $stdio_cnt
#include <sys/types.h>
int main() {
FILE *fp = fopen("try.c", "r");
int c;
char *ptr;
size_t cnt;
if (!fp) {
puts("Fail even to read");
exit(1);
}
c = getc(fp); /* Read away the first # */
if (c == EOF) {
puts("Fail even to read");
exit(1);
}
if (!(
18 <= FILE_cnt(fp) &&
strncmp(FILE_ptr(fp), "include <stdio.h>\n", 18) == 0
)) {
puts("Fail even to read");
exit (1);
}
ptr = (char*) FILE_ptr(fp);
cnt = (size_t)FILE_cnt(fp);

FILE_ptr(fp) += 42;

if ((char*)FILE_ptr(fp) != (ptr + 42)) {
printf("Fail ptr check %p != %p", FILE_ptr(fp), (ptr + 42));
exit (1);
}
if (FILE_cnt(fp) <= 20) {
printf ("Fail (<20 chars to test)");
exit (1);
}
if (strncmp(FILE_ptr(fp), "Eat dust sed :-) */\n", 20) != 0) {
puts("Fail compare");
exit
(1);
}
if (cnt == FILE_cnt(fp)) {
puts("Pass_unchanged");
}

```



```

    exit (0);
}
if (FILE_cnt(fp) == (cnt - 42)) {
    puts("Pass_changed");
    exit (0);
}
printf("Fail count was %d now %d\n", cnt, FILE_cnt(fp));
return 1;

}
EOP
set try
if eval $compile && $to try.c; then
    case ` $run ./try ` in
        Pass_changed)
            echo "Increasing ptr in your stdio decreases cnt by the same amount. Good." >&4
            d_stdio_ptr_lval_sets_cnt="$define" ;;
        Pass_unchanged)
            echo "Increasing ptr in your stdio leaves cnt unchanged. Good." >&4
            d_stdio_ptr_lval_nochange_cnt="$define" ;;
        Fail*)
            echo "Increasing ptr in your stdio didn't do exactly what I expected. We'll not be doing that then." >&4 ;;
        *)
            echo "It appears attempting to set ptr in your stdio is a bad plan." >&4 ;;
    esac
else
    echo "It seems we can't set ptr in your stdio. Nevermind." >&4
fi
$rm_try
;;
esac
@end

@if d_stdibase || USE_STDIO_BASE || FILE_base || FILE_bufsiz
: see if _base is also standard
val="$undef"
case
"$d_stdstdio" in
$define)
    $cat >try.c <<EOP
#include <stdio.h>
#$i_stdlib I_STDLIB
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#define FILE_base(fp) $stdio_base
#define FILE_bufsiz(fp) $stdio_bufsiz
int main() {

```

```

FILE *fp = fopen("try.c", "r");
char c = getc(fp);
if (
  19 <= FILE_bufsiz(fp) &&
  strncmp(FILE_base(fp), "#include <stdio.h>\n", 19) == 0
)
  exit(0);
exit(1);
}
EOP
set try
if eval $compile && $to try.c; then
if $run ./try; then
  echo "And its _base field acts std."
  val="$define"
else
  echo "But its _base field isn't std."
fi
else
  echo "However, it seems to be lacking the _base field."
fi
$rm_try
;;
esac
set d_stdibase
eval $setvar

```

@end

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_stdstdio.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_inetd.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_inetd.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:23 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

```
?MAKE:d_inetd: cat test package Myread Setvar
?MAKE: -pick add $@ %<
?S:d_inetd:
?S: This symbol conditionally defines USE_INETD which indicates to the C
?S: program that the initial socket connection will be done via inetd.
?S:.
?C:USE_INETD (INETD):
?C: This symbol if defined indicates to the C program that inetd will be
?C: in charge of the
?C: initial socket connection. The file descriptors 0 and
?C: 1 have been dup(ed) from the original connected socket descriptor and
?C: are ready for send() and recv().
?C:.
?H:#$d_inetd USE_INETD /**/
?H:.
?LINT:set d_inetd
```

: ask whether initial socket connection is to be done via inetd

```
echo " "
```

```
dflt=n
```

```
case "$d_inetd" in
```

```
*) if $test -f /etc/inetd.conf; then
```

```
    $cat <<EOM
```

Your system provides a so called "Internet super-server", the inetd daemon. Network services like ftp or rlogin are usually handled via ftpd and rlogind daemons. Without inetd, these daemons must always be running for the service to be on. On the contrary, inetd listens to specific ports defined in file /etc/inetd.conf and will run the appropriate daemon upon request. This scheme avoids eating up the process table and memory with useless daemons.

I can set up things so that internet connections for \$package will be done using inetd, in which case you will have to edit /etc/inetd.conf to add some specific informations.

```
EOM
```

```
    dflt=y
```

```
else
```

```
    $cat
```

```
<<EOM
```

I do not see any trace of a configuration file for inetd, hence I assume your system does not support the so called "Internet super-server". This means \$package will need to have a daemon process running on this machine to allow network connections.

```
EOM
```

```
fi;;
```

```
*) case "$d_inetd" in
```

```
    "$define") dflt=y;;
```

```
esac;;
```

```
esac
rp='Do you wish to use inetd for network connections?'
./myread
val="$undef"
case "$ans" in
y*|Y*) val="$define";;
esac
set d_inetd
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_inetd.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_lockf.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_lockf.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:09:36 ram
?RCS: patch32: created by ADO
?RCS:
?MAKE:d_lockf: Inlibc
?MAKE: -pick add $@ %<
?S:d_lockf:
?S: This variable conditionally defines HAS_LOCKF if lockf() is
?S: available to do file locking.
?S:.
?C:HAS_LOCKF (LOCKF):
?C: This symbol, if defined, indicates that the lockf routine is
?C: available to do file locking.
?C:.
?H:#$d_lockf
HAS_LOCKF /**/
?H:.
?LINT:set d_lockf
: see if lockf exists
set lockf d_lockf
eval $inlibc
```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_lockf.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: cpp\_stuff.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: cpp\_stuff.U,v \$

?RCS: Revision 3.0.1.1 1994/10/29 16:08:24 ram

?RCS: patch36: now uses cppstdin instead of plain cpp for consistency (ADO)

?RCS: patch36: remove temporary files when done

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:36 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:cpp\_stuff: cat contains cppstdin cppflags cppminus rm

?MAKE: -pick add \$@ %<

?S:cpp\_stuff:

?S: This variable contains an identification of the concatenation  
mechanism

?S: used by the C preprocessor.

?S:.

?C:CAT2:

?C: This macro concatenates 2 tokens together.

?C:.

?C:CAT3:

?C: This macro concatenates 3 tokens together.

?C:.

?C:CAT4:

?C: This macro concatenates 4 tokens together.

?C:.

?C:CAT5:

?C: This macro concatenates 5 tokens together.

?C:.

?C:STRINGIFY:

?C: This macro surrounds its token with double quotes.

?C:.

?C:SCAT2:

?C: This macro concatenates 2 tokens together and stringifies the result.

?C: It might not exist, so #ifdef it in your code!

?C:.

?C:SCAT3:

?C: This macro concatenates 3 tokens together and stringifies the result.

?C: It might not exist, so #ifdef it in your code!

?C:.

?C:SCAT4:

?C: This macro concatenates 4 tokens together and stringifies the result.

?C: It might not exist, so #ifdef it in your code!

?C:.

?C:SCAT5:

?C: This macro concatenates 5 tokens together and stringifies the result.

?C: It might not exist, so #ifdef it in your code!

?C:.

?X: Dist pl70 included the following, but AIX's xlc compiler

?X: (which

is ANSI-ish and has cpp\_stuff == 42)) rejects

?X: The SQuoTe/EQuoTe stuff because the string literals are on

?X: separate lines. Sigh.

?X: Andy Dougherty 24 Feb 1998

?X: ?H:??<:#if \$cpp\_stuff == 1

?X: ?H: ?CAT2:#define CAT2(a,b)a/\*\*/b

?X: ?H: ?CAT3:#define CAT3(a,b,c)a/\*\*/b/\*\*/c

?X: ?H: ?CAT4:#define CAT4(a,b,c,d)a/\*\*/b/\*\*/c/\*\*/d

?X: ?H: ?CAT5:#define CAT5(a,b,c,d,e)a/\*\*/b/\*\*/c/\*\*/d/\*\*/e

?X: ?H: ?STRINGIFY:#define STRINGIFY(a)"a"

?X: ?H:??<:#define SQuoTe(a)"a"

?X: ?H:??<:#define EQuoTe(a)a"

?X: ?H: ?SCAT2:#define SCAT2(a,b)EQuoTe(SQuoTe(a)b)

?X: ?H: ?SCAT3:#define SCAT3(a,b,c)EQuoTe(SQuoTe(a)b/\*\*/c)

?X: ?H: ?SCAT4:#define SCAT4(a,b,c,d)EQuoTe(SQuoTe(a)b/\*\*/c/\*\*/d)

?X: ?H: ?SCAT5:#define SCAT5(a,b,c,d,e)EQuoTe(SQuoTe(a)b/\*\*/c/\*\*/d/\*\*/e)

?X: ?H:??<:#endif

?H:??<:#if \$cpp\_stuff == 1

?H: ?CAT2:#define CAT2(a,b) a/\*\*/b

?H: ?CAT3:#define CAT3(a,b,c) a/\*\*/b/\*\*/c

?H: ?CAT4:#define CAT4(a,b,c,d) a/\*\*/b/\*\*/c/\*\*/d

?H: ?CAT5:#define CAT5(a,b,c,d,e) a/\*\*/b/\*\*/c/\*\*/d/\*\*/e

?H: ?STRINGIFY:#define STRINGIFY(a) "a"

?X: If

you can get stringification with catify, tell me how!

?H:??<:#endif

?H:??<:#if \$cpp\_stuff == 42

?H:??<:#define PeRl\_CaTiFy(a, b) a ## b

?H:??<:#define PeRl\_StGiFy(a) #a

?X: The additional level of indirection enables these macros to be

?X: used as arguments to other macros. See K&R 2nd ed., page 231.

?H: ?CAT2:#define CAT2(a,b) PeRl\_CaTiFy(a,b)

```

?H:?CAT3:#define CAT3(a,b,c) CAT2(PeRl_CaTiFy(a,b),c)
?H:?CAT4:#define CAT4(a,b,c,d) CAT2(CAT3(a,b,c),d)
?H:?CAT5:#define CAT5(a,b,c,d,e) CAT2(CAT4(a,b,c,d),e)
?H:?%<:#define StGiFy(a) PeRl_StGiFy(a)
?H:?STRINGIFY:#define STRINGIFY(a) PeRl_StGiFy(a)
?H:?SCAT2:#define SCAT2(a,b) PeRl_StGiFy(a) PeRl_StGiFy(b)
?H:?SCAT3:#define SCAT3(a,b,c) PeRl_StGiFy(a) PeRl_StGiFy(b) PeRl_StGiFy(c)
?H:?SCAT4:#define SCAT4(a,b,c,d) PeRl_StGiFy(a) PeRl_StGiFy(b) PeRl_StGiFy(c) PeRl_StGiFy(d)
?H:?SCAT5:#define SCAT5(a,b,c,d,e) PeRl_StGiFy(a) PeRl_StGiFy(b) PeRl_StGiFy(c) PeRl_StGiFy(d)
PeRl_StGiFy(e)
?H:?%<:#endif
?H:?%<:#if $cpp_stuff != 1 && $cpp_stuff
!= 42
?H:?%<:#include "Bletch: How does this C preprocessor concatenate tokens?"
?H:?%<:#endif
?H:.
?W:?%<:CAT2 CAT3 CAT4 CAT5 STRINGIFY SCAT2 SCAT3 SCAT4 SCAT5
?F!:cpp_stuff.c
?LINT:known StGiFy
?LINT:known PeRl_CaTiFy
?LINT:known PeRl_StGiFy
: how do we concatenate cpp tokens here?
echo " "
echo "Checking to see how your cpp does stuff like concatenate tokens..." >&4
$cat >cpp_stuff.c <<'EOCP'
#define RCAT(a,b)a/**/b
#define ACAT(a,b)a ## b
RCAT(Rei,ser)
ACAT(Cir,cus)
EOCP
$cppstdin $cppflags $cppminus <cpp_stuff.c >cpp_stuff.out 2>&1
if $contains 'Circus' cpp_stuff.out >/dev/null 2>&1; then
echo "Oh! Smells like ANSI's been here." >&4
echo "We can catify or stringify, separately or together!"
cpp_stuff=42
elif $contains 'Reiser' cpp_stuff.out >/dev/null 2>&1; then
echo "Ah, yes! The good old days!" >&4
echo "However, in the good old days we don't know how to stringify and"
echo "catify at the same time."
cpp_stuff=1
else
$cat >&4 <<EOM
Hmm, I don't seem to be able to concatenate
tokens with your cpp.
You're going to have to edit the values of CAT[2-5] in config.h...
EOM
?X: It would be nice to have configure remind us at the end that some manual
?X: intervention is needed -- FIXME

```

```
cpp_stuff="/* Help! How do we handle cpp_stuff? *//*"
```

```
fi
```

```
$rm -f cpp_stuff.*
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/cpp_stuff.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_mkdtmp: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_mkdtmp:

?S: This variable conditionally defines the HAS\_MKDTEMP symbol, which

?S: indicates to the C program that the mkdtmp() routine is available

?S: to exclusively create a uniquely named temporary directory.

?S:.

?C:HAS\_MKDTEMP :

?C: This symbol, if defined, indicates that the mkdtmp routine is

?C: available to exclusively create a uniquely named temporary directory.

?C:.

?H:#\$d\_mkdtmp HAS\_MKDTEMP /\*\*/

?H:.

?LINT:set d\_mkdtmp

: see if mkdtmp exists

set mkdtmp d\_mkdtmp

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_mkdtmp.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:usemorebits: Setvar

?MAKE: -pick add \$@ %<



```

?Y:TOP
?S:usemorebits:
?S: This variable conditionally defines the USE_MORE_BITS symbol,
?S: and indicates that explicit 64-bit interfaces and long doubles
?S: should be used when available.
?S:.
?C:USE_MORE_BITS:
?C: This symbol, if defined, indicates that 64-bit interfaces and
?C: long doubles should be used when available.
?C:.
?H:%<:#ifndef USE_MORE_BITS
?H:%<:#$usemorebits USE_MORE_BITS /**/
?H:%<:#endif
?H:.
?LINT:extern use64bitint
?LINT:change use64bitint
?LINT:extern uselongdouble
?LINT:change uselongdouble
: Check if morebits is requested
case "$usemorebits" in
"$define"|true|[yY]*)
use64bitint="$define"
uselongdouble="$define"
usemorebits="$define"
;;
*) usemorebits="$undef"
;;
esac

```

Found

in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/usemorebits.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_rename.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_rename.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:06:54 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

?RCS:  
?MAKE:d\_rename: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_rename:  
?S: This variable conditionally defines the HAS\_RENAME symbol, which  
?S: indicates to the C program that the rename() routine is available  
?S: to rename files.  
?S:.  
?C:HAS\_RENAME (RENAME):  
?C: This symbol, if defined, indicates that the rename routine is available  
?C: to rename files.  
Otherwise you should do the unlink(), link(), unlink()  
?C: trick.  
?C:.  
?H:#\$d\_rename HAS\_RENAME /\*\*/  
?H:.  
?LINT:set d\_rename  
: see if rename exists  
set rename d\_rename  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_rename.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_itimer.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_itimer.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:25 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_itimer: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_itimer:  
?S: This variable conditionally defines the HAS\_ITIMER symbol, which  
?S: indicates that the setitimer() routine exists. The setitimer()  
?S: routine supports sub-second accuracy for one real-time and two  
?S: cpu clocks.  
?S:.

?C:HAS\_ITIMER (ITIMER):

?C: This symbol, if defined, indicates  
that the setitimer() routine exists.

?C:.

?H:#\$d\_itimer HAS\_ITIMER /\*\*/

?H:.

?LINT:set d\_itimer

: see if setitimer exists

set setitimer d\_itimer

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_itimer.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_mkdir.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_mkdir.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:37 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_mkdir: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_mkdir:

?S: This variable conditionally defines the HAS\_MKDIR symbol, which

?S: indicates to the C program that the mkdir() routine is available

?S: to create directories..

?S:.

?C:HAS\_MKDIR (MKDIR):

?C: This symbol, if defined, indicates that the mkdir routine is available

?C: to create directories.

Otherwise you should fork off a new process to

?C: exec /bin/mkdir.

?C:.

?H:#\$d\_mkdir HAS\_MKDIR /\*\*/

?H:.

?LINT:set d\_mkdir

: see if mkdir exists

set mkdir d\_mkdir

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_mkdir.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_wctomb.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_wctomb.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:20:43 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:d\_wctomb: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_wctomb:

?S: This variable conditionally defines the HAS\_WCTOMB symbol, which

?S: indicates to the C program that the wctomb() routine is available

?S: to convert a wide character to a multibyte.

?S:.

?C:HAS\_WCTOMB (WCTOMB):

?C: This

symbol, if defined, indicates that the wctomb routine is available

?C: to convert a wide character to a multibyte.

?C:.

?H:#\$d\_wctomb HAS\_WCTOMB /\*\*/

?H:.

?LINT:set d\_wctomb

: see if wctomb exists

set wctomb d\_wctomb

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_wctomb.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:  
?RCS: Copyright (c) 1998 Andy Dougherty  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:use64bitint use64bitall archname64: Myread Oldconfig Setvar test \  
usemorebits longsize ccflags d\_quad uquadtype Compile rm\_try run  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?S:use64bitint:  
?S: This variable conditionally defines the USE\_64\_BIT\_INT symbol,  
?S: and indicates that 64-bit integer types should be used  
?S: when available. The minimal possible 64-bitness  
?S: is employed, just enough to get 64-bit integers into Perl.  
?S: This may mean using for example "long longs", while your memory  
?S: may still be limited to 2 gigabytes.  
?S:.  
?S:use64bitall:  
?S: This variable conditionally defines the USE\_64\_BIT\_ALL symbol,  
?S: and indicates that 64-bit integer types should be used  
?S: when available. The maximal  
possible  
?S: 64-bitness is employed: LP64 or ILP64, meaning that you will  
?S: be able to use more than 2 gigabytes of memory. This mode is  
?S: even more binary incompatible than USE\_64\_BIT\_INT. You may not  
?S: be able to run the resulting executable in a 32-bit CPU at all or  
?S: you may need at least to reboot your OS to 64-bit mode.  
?S:.  
?S:archname64:  
?S: This variable is used for the 64-bitness part of \$archname.  
?S:.  
?C:USE\_64\_BIT\_INT:  
?C: This symbol, if defined, indicates that 64-bit integers should  
?C: be used when available. If not defined, the native integers  
?C: will be employed (be they 32 or 64 bits). The minimal possible  
?C: 64-bitness is used, just enough to get 64-bit integers into Perl.  
?C: This may mean using for example "long longs", while your memory  
?C: may still be limited to 2 gigabytes.  
?C:.  
?C:USE\_64\_BIT\_ALL:  
?C: This symbol, if defined, indicates that 64-bit integers should  
?C: be used when available. If not defined, the native integers  
?C: will be used (be  
they 32 or 64 bits). The maximal possible  
?C: 64-bitness is employed: LP64 or ILP64, meaning that you will  
?C: be able to use more than 2 gigabytes of memory. This mode is  
?C: even more binary incompatible than USE\_64\_BIT\_INT. You may not

?C: be able to run the resulting executable in a 32-bit CPU at all or

?C: you may need at least to reboot your OS to 64-bit mode.

?C:.

?H:%<:#ifndef USE\_64\_BIT\_INT

?H:%<:#\$use64bitint USE\_64\_BIT\_INT /\*\*/

?H:%<:#endif

?H:%<:#ifndef USE\_64\_BIT\_ALL

?H:%<:#\$use64bitall USE\_64\_BIT\_ALL /\*\*/

?H:%<:#endif

?H:.

?INIT:archname64="

?LINT:extern ccflags

?LINT:use usemorebits

?LINT:extern use64bits

?LINT:extern uselonglong

?LINT:extern uselonglongs

?LINT:extern use64bitints

?LINT:extern use64bitsint

?LINT:extern use64bitsall

?T:libcquad

?F:!try

?F:!use64bitint.cbu

?F:!use64bitall.cbu

: Do we want 64bit support

case "\$uselonglong" in

"\$define"|true|[yY]\*)

cat <<EOM >&4

\*\*\* Configure -Duselonglong is deprecated, using -Duse64bitint instead.

EOM

use64bitint="\$define"

::

esac

case

"\$use64bits" in

"\$define"|true|[yY]\*)

cat <<EOM >&4

\*\*\* Configure -Duse64bits is deprecated, using -Duse64bitint instead.

EOM

use64bitint="\$define"

::

esac

case "\$use64bitints" in

"\$define"|true|[yY]\*)

cat <<EOM >&4

\*\*\* There is no Configure -Duse64bitints, using -Duse64bitint instead.

```

EOM
use64bitint="$define"
;;
esac
case "$use64bitsint" in
"$define"|true|[yY]*)
cat <<EOM >&4

```

\*\*\* There is no Configure -Duse64bitsint, using -Duse64bitint instead.

```

EOM
use64bitint="$define"
;;
esac
case "$uselonglongs" in
"$define"|true|[yY]*)
cat <<EOM >&4

```

\*\*\* There is no Configure -Duselonglongs, using -Duse64bitint instead.

```

EOM
use64bitint="$define"
;;
esac
case "$use64bitsall" in
"$define"|true|[yY]*)
cat <<EOM >&4

```

\*\*\* There is no Configure -Duse64bitsall, using -Duse64bitall instead.

```

EOM
use64bitall="$define"
;;
esac

```

```

case "$ccflags" in
*-DUSE_LONG_LONG*|-DUSE_64_BIT_INT*|-DUSE_64_BIT_ALL*) use64bitint="$define";;
esac
case "$use64bitall" in
"$define"|true|[yY]*)
use64bitint="$define" ;;
esac

```

```

case "$longsize" in
8) cat <<EOM

```

You have natively 64-bit long integers.

```

EOM
val="$define"
;;
*) case "$use64bitint" in

```

```
"$define"|true|[yY]*) dflt='y';;
*) dflt='n';;
esac
case "$d_quad" in
"$define") ;;
*) dflt='n' ;;
esac
cat <<EOM
```

Perl can be built to take advantage of 64-bit integer types on some systems. To do so, Configure can be run with `-Duse64bitint`. Choosing this option will most probably introduce binary incompatibilities.

If this doesn't make any sense to you, just accept the default '\$dflt'. (The default has been chosen based on your configuration.)

EOM

```
rp="Try to use 64-bit integers, if available?"
./myread
case "$ans" in
[yY]*) val="$define" ;;
*) val="$undef" ;;
esac
;;
esac
set use64bitint
eval $setvar
```

```
case "$use64bitall" in
"$define"|true|[yY]*) dflt='y' ;;
*) case "$longsize" in
8) dflt='y' ;;
*) dflt='n' ;;
esac
;;
esac
cat <<EOM
```

You may also

choose to try maximal 64-bitness. It means using as much 64-bitness as possible on the platform. This in turn means even more binary incompatibilities. On the other hand, your platform may not have any more 64-bitness available than what you already have chosen.

If this doesn't make any sense to you, just accept the default '\$dflt'. (The default has been chosen based on your configuration.)

EOM

```
rp="Try to use maximal 64-bit support, if available?"
./myread
```



```

case "$ans" in
[yY]*) val="$define" ;;
*) val="$undef" ;;
esac
set use64bitall
eval $setvar
case "$use64bitall" in
"$define")
case "$use64bitint" in
"$undef")
cat <<EOM

```

Since you have chosen a maximally 64-bit build, I'm also turning on the use of 64-bit integers.

```

EOM
use64bitint="$define" ;;
esac
;;
esac

```

```

: Look for a hint-file generated 'call-back-unit'. If the
: user has specified that a 64-bit perl is to be built,
: we may need to set or change some other defaults.
if $test -f use64bitint.cbu; then
echo "Your
platform has some specific hints regarding 64-bit integers, using them..."
./use64bitint.cbu
fi
case "$use64bitint" in
"$define"|true|[yY]*)
: This test was common to all the OpenBSD forks, and seems harmless for
: other platforms:
echo " "
echo "Checking if your C library has broken 64-bit functions..." >&4
cat >try.c <<EOCP
#include <stdio.h>
typedef $uquadtype myULL;
int main (void)
{
struct {
double d;
myULL u;
} *p, test[] = {
{4294967303.15, 4294967303ULL},
{4294967294.2, 4294967294ULL},
{4294967295.7, 4294967295ULL},
{0.0, 0ULL}
};

```

```

    for (p = test; p->u; p++) {
myULL x = (myULL)p->d;
if (x != p->u) {
    printf("buggy\n");
    return 0;
}
}
printf("ok\n");
return 0;
}

```

EOCP

```

set try
if eval $compile_ok; then
    libcquad=`$run ./try`
    echo "Your C library's 64-bit functions are $libcquad."
else
    echo "(I can't seem to compile the test program.)"
    echo "Assuming that your C library's 64-bit functions are ok."
    libcquad="ok"
fi
$rm_try

```

```

case
"$libcquad" in
    buggy*)
cat >&4 <<EOM

```

```

*** You have a C library with broken 64-bit functions.
*** 64-bit support does not work reliably in this configuration.
*** Please rerun Configure without -Duse64bitint and/or -Dusemorebits.
*** Cannot continue, aborting.

```

EOM

```

    exit 1
    ;;
esac
case "$longsize" in
4) case "$archname64" in
    ") archname64=64int ;;
    esac
    ;;
esac
;;
esac

```

```

: Look for a hint-file generated 'call-back-unit'. If the
: user has specified that a maximally 64-bit perl is to be built,
: we may need to set or change some other defaults.

```

```

if $test -f use64bitall.cbu; then
  echo "Your platform has some specific hints regarding 64-bit builds, using them..."
  . /use64bitall.cbu
fi
case "$Suse64bitall" in
"$define"|true|[yY]*)
  case "$longsize" in
4) case "$archname64" in
  "[64int) archname64=64all ;;
  esac
  ;;
esac
;;
esac

case "$d_quad:$Suse64bitint" in
$undef:$define)
  cat >&4 <<EOF

*** You have chosen to use 64-bit
integers,
*** but none can be found.
*** Please rerun Configure without -Duse64bitint and/or -Dusemorebits.
*** Cannot continue, aborting.

EOF
exit 1
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/use64bits.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_ftrncate.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
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```
?RCS: as specified in the README file that comes with the distribution.
```

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```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_ftrncate.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:06:07 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

?RCS:  
?MAKE:d\_ftrncate: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_ftrncate (d\_ftrncate):  
?S: This variable conditionally defines the HAS\_FTRUNCATE symbol, which  
?S: indicates to the C program that the ftrncate() subroutine exists.  
?S:.  
?C:HAS\_FTRUNCATE:  
?C: This symbol, if defined, indicates that the ftrncate() subroutine  
?C: exists.  
?C:.  
?H:#\$d\_ftrncate  
HAS\_FTRUNCATE /\*\*/  
?H:.  
?LINT:set d\_ftrncate  
: see if ftrncate exists  
set ftrncate d\_ftrncate  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_ftrncate.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: randfunc.U,v 3.0 1993/08/18 12:09:39 ram Exp \$  
?RCS:  
?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: randfunc.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:09:39 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This is the new unit that should be used when random  
?X: functions are to be used. It thus makes randbits.U obsolete.  
?X:  
?X: This unit gives a simple #define for Drand01, which produces  
?X: doubles in the range [0,1) using the "best" random number  
?X: generator available. The source should just call Drand01  
?X: and not worry about the underlying  
implementation.  
?X: Andy Dougherty July 1998

?X:

?MAKE:randfunc drand01 seedfunc randbits randseedtype: \  
 Compile Myread Csym ccflags

?MAKE: -pick add \$@ %<

?S:randfunc:

?S: Indicates the name of the random number function to use.

?S: Values include drand48, random, and rand. In C programs,

?S: the 'Drand01' macro is defined to generate uniformly distributed

?S: random numbers over the range [0., 1.[ (see drand01 and nrand).

?S:.

?S:drand01:

?S: Indicates the macro to be used to generate normalized

?S: random numbers. Uses randfunc, often divided by

?S: (double) (((unsigned long) 1 << randbits)) in order to

?S: normalize the result.

?S: In C programs, the macro 'Drand01' is mapped to drand01.

?S:.

?S:randseedtype:

?S: Indicates the type of the argument of the seedfunc.

?S:.

?S:seedfunc:

?S: Indicates the random number generating seed function.

?S: Values include srand48, srandom, and srand.

?S:.

?S:randbits:

?S: Indicates how many bits are produced by the function used to

?S: generate

?S: normalized random numbers.

?S:.

?C:RANDFUNC:

?C: This symbol defines the random function used to define Drand01().

?C:.

?C:Drand01:

?C: This macro is to be used to generate uniformly distributed

?C: random numbers over the range [0., 1.[. You may have to supply

?C: an 'extern double drand48();' in your program since SunOS 4.1.3

?C: doesn't provide you with anything relevant in its headers.

?C: See HAS\_DRAND48\_PROTO.

?C:.

?C:Rand\_seed\_t:

?C: This symbol defines the type of the argument of the

?C: random seed function.

?C:.

?C:seedDrand01:

?C: This symbol defines the macro to be used in seeding the

?C: random number generator (see Drand01).

?C:.

?C:RANDBITS:

?C: This symbol indicates how many bits are produced by the

?C: function used to generate normalized random numbers.

?C: Values include 15, 16, 31, and 48.

?C:.

```
?H:#define RANDFUNC $randfunc /**/
```

```
?H:#define Drand01() $drand01 /**/
```

```
?H:#define Rand_seed_t $randseedtype /**/
```

```
?H:#define seedDrand01(x) $seedfunc((Rand_seed_t)x) /**/
```

```
?H:#define
```

```
RANDBITS $randbits /**/
```

```
?H:.
```

```
?LINT:change ccflags
```

```
?LINT:unclosed $randbits))"
```

: How can we generate normalized random numbers ?

```
echo " "
```

```
echo "Using our internal random number implementation..." >&4
```

```
case "$ccflags" in
```

```
*-Dmy_rand=|*-Dmy_srand=*)
```

```
echo "Removing obsolete -Dmy_rand, -Dmy_srand, and -Drandbits from ccflags." >&4
```

```
ccflags="`echo $ccflags | sed -e 's/-Dmy_rand=random/ /'"
```

```
ccflags="`echo $ccflags | sed -e 's/-Dmy_srand=random/ /'"
```

```
ccflags="`echo $ccflags | sed -e 's/-Drandbits=[0-9][0-9]*/ /'"
```

```
::
```

```
esac
```

```
randfunc=Perl_drand48
```

```
drand01="Perl_drand48()"
```

```
seedfunc="Perl_drand48_init"
```

```
randbits=48
```

```
randseedtype=U32
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/randfunc.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: etc.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: as specified in the README file that comes with the distribution.
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```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: etc.U,v $
```

?RCS: Revision 3.0 1993/08/18 12:08:07 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:etc etcexp: Getfile Loc Oldconfig  
?MAKE: -pick add \$@ %<  
?S:etc:  
?S: This variable holds the name of the directory in which the user wants  
?S: to put "administrative" executable images for the package in question.  
?S: It is most often a local directory such as /usr/local/etc. Programs  
?S: relying on this variable must be prepared to deal with

~name  
?S: substitutions.  
?S:.  
?S:etcexp:  
?S: This is the same as the etc variable, but is filename expanded at  
?S: configuration time, for convenient use in makefiles.  
?S:.

: determine where administrative executables go  
case "\$etc" in  
")  
dflt=`./loc ./local/etc /usr/local/etc /local/etc /usr/etc /etc`  
;;  
\*)  
dflt="\$etc"  
;;  
esac  
fn=d~  
rp='Where should the administrative executables go?'  
./getfile  
etc="\$ans"  
etcexp="\$ansexp"

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/etc.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_preadv.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
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?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_preadv.U,v \$

?RCS:  
?MAKE:d\_preadv: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_preadv:  
?S: This variable conditionally defines the HAS\_PREADV symbol, which  
?S: indicates to the C program that the preadv() routine is available.  
?S:.  
?C:HAS\_PREADV :  
?C: This symbol, if defined, indicates that the preadv routine is  
?C: available to perform vectored reads on a file descriptor at a  
?C: given offset.  
?C:.  
?H:#\$d\_preadv HAS\_PREADV /\*\*/  
?H:.  
?LINT:set d\_preadv  
:  
  see if preadv exists  
  set preadv d\_preadv  
  eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_preadv.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 2000 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_fpclassl: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_fpclassl:  
?S: This variable conditionally defines the HAS\_FPCLASSL symbol, which  
?S: indicates to the C program that the fpclassl() routine is available.  
?S:.  
?C:HAS\_FPCLASSL:  
?C: This symbol, if defined, indicates that the fpclassl routine is  
?C: available to classify long doubles. Available for example in IRIX.  
?C: The returned values are defined in <ieeefp.h> and are:  
?C:  
?C: FP\_SNAN signaling NaN  
?C: FP\_QNAN quiet NaN  
?C: FP\_NINF negative infinity  
?C: FP\_PINF positive infinity  
?C: FP\_NDENORM negative denormalized non-zero



?C: FP\_PDENORM positive denormalized non-zero

?C: FP\_NZERO negative zero

?C: FP\_PZERO positive zero

?C: FP\_NNORM negative  
normalized non-zero

?C: FP\_PNORM positive normalized non-zero

?C:.

?H:#\$d\_fpclassl HAS\_FPCLASSL /\*\*/

?H:.

?LINT:set d\_fpclassl

: see if fpclassl exists

set fpclassl d\_fpclassl

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fpclassl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_umask.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_umask.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:14:50 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:d\_umask: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_umask:

?S: This variable conditionally defines the HAS\_UMASK symbol, which

?S: indicates to the C program that the umask() routine is available.

?S: to set and get the value of the file creation mask.

?S:.

?C:HAS\_UMASK :

?C: This

symbol, if defined, indicates that the umask routine is

?C: available to set and get the value of the file creation mask.

?C:.

?H:#\$d\_umask HAS\_UMASK /\*\*/

```
?H:
?LINT:set d_umask
: see if umask exists
set umask d_umask
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_umask.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_endpent.U,v 3.0 1993/08/18 12:06:09 ram Exp $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
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```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?RCS: $Log: d_endpent.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:06:09 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:d_endpent: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_endpent:
```

```
?S: This variable conditionally defines HAS_ENDPROTOENT if endprotoent() is
```

```
?S: available to close whatever was being used for protocol queries.
```

```
?S:.
```

```
?C:HAS_ENDPROTOENT:
```

```
?C: This symbol, if defined, indicates that the endprotoent() routine is
```

```
?C: available to close whatever was being used
```

```
for protocol queries.
```

```
?C:.
```

```
?H:#$d_endpent HAS_ENDPROTOENT /**/
```

```
?H:.
```

```
?LINT:set d_endpent
```

```
: see if endprotoent exists
```

```
set endprotoent d_endpent
```

```
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_endpent.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: vendorman1dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera \$

?RCS:

?RCS: Copyright (c) 1999, Andy Dougherty

?RCS:

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?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: vendorman1dir.U,v \$

?RCS: Revision 1.1 1999/07/08 18:32:57 doughera

?RCS: Initial revision

?RCS:

?MAKE:vendorman1dir vendorman1direxp installvendorman1dir: man1dir Getfile \

Oldconfig Setprefixvar Prefixit test vendorprefix prefix sed

?MAKE: -pick add \$@ %<

?Y:TOP

?S:vendorman1dir:

?S: This variable contains the name of the directory for man1

?S: pages. It may have a ~ on the front.

?S: The standard distribution will put nothing in this directory.

?S: Vendors

who distribute perl may wish to place their own

?S: man1 pages in this directory with

?S: MakeMaker Makefile.PL INSTALLDIRS=vendor

?S: or equivalent. See INSTALL for details.

?S:.

?S:vendorman1direxp:

?S: This variable is the ~name expanded version of vendorman1dir, so that you

?S: may use it directly in Makefiles or shell scripts.

?S:.

?D:installvendorman1dir="

?S:installvendorman1dir:

?S: This variable is really the same as vendorman1direxp but may differ on

?S: those systems using AFS. For extra portability, only this variable

?S: should be used in makefiles.

?S:.

?LINT:change prefixvar

?LINT:set installvendorman1dir

: Set the vendorman1dir variables

case "\$vendorprefix" in

) vendorman1dir="

vendorman1direxp="

;;

\*) : determine where vendor-supplied manual pages go.

case "\$vendorman1dir" in

) dflt=`echo "\$man1dir" | \$sed "s#^\$prefix#\$vendorprefix#"` ;;

```

*) dflt=$vendorman1dir ;;
esac
case "$dflt" in
"|") dflt=none ;;
esac
fn=nd~+
rp='Pathname for
the vendor-supplied manual section 1 pages?'
./getfile
vendorman1dir="$ans"
vendorman1direxp="$ansexp"
;;
esac
: Use ' ' for none so value is preserved next time through Configure
$test X"$vendorman1dir" = "X" && vendorman1dir=' '
prefixvar=vendorman1dir
./installprefix

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/vendorman1dir.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_isnanl: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_isnanl:

?S: This variable conditionally defines the HAS\_ISNANL symbol, which

?S: indicates to the C program that the isnanl() routine is available.

?S:.

?C:HAS\_ISNANL:

?C: This symbol, if defined, indicates that the isnanl routine is

?C: available to check whether a long double is a NaN.

?C:.

?H:#\$d\_isnanl HAS\_ISNANL /\*\*/

?H:.

?LINT:set d\_isnanl

: see if isnanl exists

set isnanl d\_isnanl

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_isnanl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_malloc.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:21 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:i\_malloc: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_malloc:

?S: This variable conditionally defines the I\_MALLOC symbol, and indicates

?S: whether a C program should include <malloc.h>.

?S:.

?C:I\_MALLOC:

?C: This symbol, if defined, indicates to the C program that it should

?C: include <malloc.h>.

?C:.

?H:#\$i\_malloc I\_MALLOC /\*\*/

?H:.

?LINT:set i\_malloc

: see if this is a malloc.h system

set

malloc.h i\_malloc

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_malloc.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Typedef.U,v 3.0.1.3 1995/07/25 13:42:07 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: Typedef.U,v \$  
?RCS: Revision 3.0.1.3 1995/07/25 13:42:07 ram  
?RCS: patch56: added backslash escapes within evals to prevent space problems  
?RCS:  
?RCS: Revision 3.0.1.2 1994/10/29 16:01:16 ram  
?RCS: patch36: don't clobber visible 'val' variable, use 'varval' instead  
?RCS:  
?RCS: Revision 3.0.1.1 1994/08/29 16:05:14 ram  
?RCS: patch32: created  
?RCS:  
?X:  
?X: This unit checks for the definition of a given typedef.  
?X:  
?X: To use it, say:  
?X: set typedef  
val\_t default [includes]  
?X: eval \$typedef  
?X:  
?MAKE:Typedef: cppstdin cppminus cppflags rm sed contains Oldconfig Myread  
?MAKE: -pick add \$@ %<  
?LINT:define typedef  
?LINT:define typedef\_ask  
?V:typedef typedef\_ask  
?S:typedef:  
?S: This shell variable is used internally by Configure to check  
?S: whether a given typedef is defined or not. A typical use is:  
?S: set typedef val\_t default [includes]  
?S: eval \$typedef  
?S: That will return val\_t set to default if the typedef was not found,  
?S: to typedef otherwise. If no includes are specified, look in sys/types.h.  
?S:.  
?S:typedef\_ask:  
?S: This shell variable is used internally by Configure to check  
?S: whether a given typedef is defined or not. If it is not defined,  
?S: this will call the ./myread script to prompt for an answer.  
?S: It is intended to be used to avoid unnecessary prompts.  
?S: A typical use is  
?S: rp="What is the type for file position used by fsetpos()?"  
?S: set fpos\_t fpostype long stdio.h sys/types.h  
?S: eval \$typedef\_ask  
?S: This  
will set fpostype=fpos\_t, if fpos\_t is available. Otherwise  
?S: it will call myread with a default of 'long', and a prompt of \$rp.  
?S:.  
?T:type var def inclist varval inc

```

?F:!temp.c
: define an is-a-typedef? function
typedef='type=$1; var=$2; def=$3; shift; shift; shift; inclist=$@;
case "$inclist" in
"" ) inclist="sys/types.h";;
esac;
eval "varval=\$$var";
case "$varval" in
"" )
$rm -f temp.c;
for inc in $inclist; do
echo "#include <$inc>" >>temp.c;
done;
?X: Maybe it's a #define instead of a typedef.
echo "#ifdef $type" >> temp.c;
echo "printf(\"We have $type\");" >> temp.c;
echo "#endif" >> temp.c;
$cpstdin $cppflags $cppminus < temp.c >temp.E 2>/dev/null;
if $contains $type temp.E >/dev/null 2>&1; then
eval "$var=$type";
else
eval "$var=\$def";
fi;
$rm -f temp.?.;
*) eval "$var=\$varval";;
esac'

```

?X: Originally, I eval'd \$typedef and then checked the results against

?X: \$type. Unfortunately, it then became complicated to check

?X: whether you are re-using

an old config.sh value, and the logic got

?X: so convoluted it became easier to just copy the function above

?X: and alter it slightly. A.D. 3/1998

: define an is-a-typedef? function that prompts if the type is not available.

```

typedef_ask='type=$1; var=$2; def=$3; shift; shift; shift; inclist=$@;

```

```

case "$inclist" in

```

```

"" ) inclist="sys/types.h";;

```

```

esac;

```

```

eval "varval=\$$var";

```

```

case "$varval" in

```

```

"" )

```

```

$rm -f temp.c;

```

```

for inc in $inclist; do

```

```

echo "#include <$inc>" >>temp.c;

```

```

done;

```

?X: Maybe it's a #define instead of a typedef.

```

echo "#ifdef $type" >> temp.c;

```

```

echo "printf(\"We have $type\");" >> temp.c;

```

```

echo "#endif" >> temp.c;
$cpptest $cpptestflags $cpptestminus < temp.c >temp.E 2>/dev/null;
echo " " ;
echo "$rp" | $sed -e "s/What is/Looking for/" -e "s/?/./";
if $contains $type temp.E >/dev/null 2>&1; then
echo "$type found." >&4;
eval "$var=\$type";
else
echo "$type NOT found." >&4;
dflt="\$def";
. ./myread ;
eval "$var=\$ans";
fi;
$rm -f temp.?;;
*) eval "$var=\$varval";;
esac'

```

Found

in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/Typedef.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Nothing.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Nothing.U,v \$

?RCS: Revision 3.0 1993/08/18 12:05:09 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: The purpose of this file is to supply an empty target for the private

?X: Makefile built by metaconfig to order the units.

?X:

?MAKE:Nothing: Head

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Nothing.U
```

No license file was found, but licenses were detected in source scan.



?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1999 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_hasmntopt: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_hasmntopt:  
?S: This variable conditionally defines the HAS\_HASMNTOPT symbol, which  
?S: indicates to the C program that the hasmntopt() routine is available  
?S: to query the mount options of file systems.  
?S:.  
?C:HAS\_HASMNTOPT:  
?C: This symbol, if defined, indicates that the hasmntopt routine is  
?C: available to query the mount options of file systems.  
?C:.  
?H:#\$d\_hasmntopt HAS\_HASMNTOPT /\*\*/  
?H:.  
?LINT:set d\_hasmntopt  
: see if hasmntopt exists  
set hasmntopt d\_hasmntopt  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_hasmntopt.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_msync.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_msync.U,v \$  
?RCS: Revision 3.0.1.1 1993/12/15 08:19:17 ram  
?RCS: patch15: created  
?RCS:  
?MAKE:d\_msync: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_msync:  
?S: This variable conditionally defines HAS\_MSYNCR if msync() is

?S: available to synchronize a mapped file.

?S:.

?C:HAS\_MSYNC:

?C: This symbol, if defined, indicates that the msync system call is

?C: available to synchronize a mapped file.

?C:.

?H:#\$d\_msync HAS\_MSYNC /\*\*/

?H:.

?LINT:set d\_msync

: see if

msync exists

set msync d\_msync

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_msync.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Typedef.U,v \$

?RCS: Revision 3.0.1.3 1995/07/25 13:42:07 ram

?RCS: patch56: added backslash escapes within evals to prevent space problems

?RCS:

?RCS: Revision 3.0.1.2 1994/10/29 16:01:16 ram

?RCS: patch36: don't clobber visible 'val' variable, use 'varval' instead

?RCS:

?RCS: Revision 3.0.1.1 1994/08/29 16:05:14 ram

?RCS: patch32: created

?RCS:

?X:

?X: This unit checks for the definition of a given typedef.

?X:

?X: To use it, say:

?X: set typedef val\_t default [includes]

?X: eval \$typedef

?X:

?MAKE:Typedef:

```

cppstdin cppminus cppflags rm contains Oldconfig
?MAKE: -pick add $@ %<
?F:!temp.c
?LINT:define typedef
?V:typedef
?S:typedef:
?S: This shell variable is used internally by Configure to check
?S: whether a given typedef is defined or not. A typical use is:
?S: set typedef val_t default [includes]
?S: eval $typedef
?S: That will return val_t set to default if the typedef was not found,
?S: to typedef otherwise. If no includes are specified, look in sys/types.h.
?S:.
?T:type var def inclist varval inc
: define an is-a-typedef? function
typedef='type=$1; var=$2; def=$3; shift; shift; shift; inclist=$@;
case "$inclist" in
"" ) inclist="sys/types.h";;
esac;
eval "varval=\$$var";
case "$varval" in
"" )
$rm -f temp.c;
for inc in $inclist; do
echo "#include <$inc>" >>temp.c;
done;
$cppstdin $cppflags $cppminus < temp.c >temp.E 2>/dev/null;
if $contains $type temp.E >/dev/null 2>&1; then
eval "$var=\$type";
else
eval "$var=\$def";
fi;
$rm -f temp.?.;
*) eval
"$var=\$varval";;
esac'

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Typedef.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: cf\_who.U,v \$  
?RCS: Revision 3.0.1.2 1997/02/28 15:28:50 ram  
?RCS: patch61: new computation method avoiding use of temporary file  
?RCS:  
?RCS: Revision 3.0.1.1 1994/05/06 14:42:34 ram  
?RCS: patch23: login name now computed the hard way  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:32 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: Oldconfig dependency is there to ensure computation occurs after old values  
?X: from config.sh have been loaded, so that we can supersede them.  
?X:  
?MAKE:cf\_time  
cf\_by: date Oldconfig  
?MAKE: -pick add \$@ %<  
?S:cf\_time:  
?S: Holds the output of the "date" command when the configuration file was  
?S: produced. This is used to tag both config.sh and config\_h.SH.  
?S:.  
?S:cf\_by:  
?S: Login name of the person who ran the Configure script and answered the  
?S: questions. This is used to tag both config.sh and config\_h.SH.  
?S:.  
?LINT:change LC\_ALL LANGUAGE  
: who configured the system  
?X: Ensure English date -- Jarkko Hietaniemi  
cf\_time=`LC\_ALL=C; LANGUAGE=C; export LC\_ALL; export LANGUAGE; \$date 2>&1`  
?X:  
?X: Leave a white space between first two '(' for ksh. The sub-shell is needed  
?X: on some machines to avoid the error message when logname is not found; e.g.  
?X: on SUN-OS 3.2, (logname || whoami) would not execute whoami if logname was  
?X: not found. Sigh!  
?X:  
?X: Convex had a broken logname executable which returned a non-zero status,  
?X: and that broke the previous:  
?X: cf\_by=`(logname) 2>/dev/null || whoami) 2>&1`  
?X: Switch to emergency  
mode... -- RAM, 19/04/94  
?X:  
?X: Parentheses needed to avoid error message if the program does not exist.  
?X: Uses case instead of \$test so it can be put before \$test is defined.  
?X: Don't redirect to a file because on Ultrix (under script?) logname

?X: outputs a blank line first. This method will apparently work.

```
case "$cf_by" in
"" )
cf_by=`(logname) 2>/dev/null`
case "$cf_by" in
"" )
cf_by=`(whoami) 2>/dev/null`
case "$cf_by" in
"" ) cf_by=unknown ;;
esac ;;
esac ;;
esac
```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/cf\_who.U

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_acosh: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_acosh:

?S: This variable conditionally defines the HAS\_ACOSH symbol, which

?S: indicates to the C program that the acosh() routine is available.

?S:.

?C:HAS\_ACOSH:

?C: This symbol, if defined, indicates that the acosh routine is

?C: available to do the inverse hyperbolic cosine function.

?C:.

?H:#\$d\_acosh HAS\_ACOSH /\*\*/

?H:.

?LINT:set d\_acosh

: see if acosh exists

set acosh d\_acosh

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_acosh.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: ccflags.U,v \$

?RCS: Revision 3.0.1.9 1997/02/28 15:27:07 ram

?RCS: patch61: removed support for NO\_PROTOTYPE detection on SCO

?RCS: patch61: new locincpth variable

?RCS: patch61: added info on the "additional ld flags" question

?RCS:

?RCS: Revision 3.0.1.8 1995/07/25 13:48:54 ram

?RCS: patch56: re-arranged compile line to include ldflags before objects

?RCS:

?RCS: Revision 3.0.1.7 1995/05/12 12:08:33 ram

?RCS: patch54: now checks for cc/ccflags/ldflags coherency

?RCS:

?RCS: Revision 3.0.1.6

1994/10/29 16:07:02 ram

?RCS: patch36: gcc versioning no longer relies on the C compiler's name

?RCS: patch36: simplified check for gcc version checking (ADO)

?RCS:

?RCS: Revision 3.0.1.5 1994/08/29 16:06:35 ram

?RCS: patch32: propagate -posix flag from ccflags to ldflags

?RCS:

?RCS: Revision 3.0.1.4 1994/05/06 14:28:45 ram

?RCS: patch23: -fpcc-struct-return only needed in gcc 1.x (ADO)

?RCS: patch23: cppflags now computed on an option-by-option basis

?RCS: patch23: magically added cc flags now only done the first time

?RCS:

?RCS: Revision 3.0.1.3 1993/09/13 15:58:29 ram

?RCS: patch10: explicitly mention -DDEBUG just in case they need it (WAD)

?RCS: patch10: removed all the "tans" variable usage (WAD)

?RCS:

?RCS: Revision 3.0.1.2 1993/08/27 14:39:38 ram

?RCS: patch7: added support for OSF/1 machines

?RCS:

?RCS: Revision 3.0.1.1 1993/08/25 14:00:24 ram

?RCS: patch6: added defaults for cppflags, ccflags and ldflags

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:31 ram

?RCS:

Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:ccflags ldflags lkflags cppflags optimize locincpth: test cat \  
 Myread Guess Options Oldconfig gccversion mips\_type +usrinc \  
 package contains rm rm\_try +cc cppstdin cppminus cprun cpplast libpth \  
 loclibpth hint

```

?MAKE: -pick add $@ %<
?S:ccflags:
?S: This variable contains any additional C compiler flags desired by
?S: the user. It is up to the Makefile to use this.
?S:.
?S:cppflags:
?S: This variable holds the flags that will be passed to the C pre-
?S: processor. It is up to the Makefile to use it.
?S:.
?S:optimize:
?S: This variable contains any optimizer/debugger flag that should be used.
?S: It is up to the Makefile to use it.
?S:.
?S:ldflags:
?S: This variable contains any additional C loader flags desired by
?S: the user. It is up to the Makefile to use this.
?S:.
?S:lkflags:
?S: This variable contains any additional C partial linker flags desired by
?S: the user. It is up to the Makefile to use this.
?S:.
?S:locincpth:
?S: This
variable contains a list of additional directories to be
?S: searched by the compiler. The appropriate -I directives will
?S: be added to ccflags. This is intended to simplify setting
?S: local directories from the Configure command line.
?S: It's not much, but it parallels the loclibpth stuff in libpth.U.
?S:.
?T:inctest thisincl xxx flag inclwanted ftry previous thislibdir
?F:!cpp.c
?D:cppflags=""
?D:ccflags=""
?D:ldflags=""
?D:optimize=""
?INIT:: Possible local include directories to search.
?INIT:: Set locincpth to "" in a hint file to defeat local include searches.
?INIT:locincpth="/usr/local/include /opt/local/include /usr/gnu/include"
?INIT:locincpth="$locincpth /opt/gnu/include /usr/GNU/include /opt/GNU/include"
?INIT::
?INIT:: no include file wanted by default
?INIT:inclwanted=""
?INIT:
: determine optimize, if desired, or use for debug flag also
case "$optimize" in
'|$undef) dflt='none';;
")
case "$gccversion" in

```

```

") dflt='-O';;
*) dflt='-O2 -g';;
esac
;;
*)
dflt="$optimize";;
esac
case "$gccversion" in
") $cat <<EOH

```

Some C compilers have problems with their optimizers. By default, \$package compiles with the -O flag to use the optimizer. Alternately, you might want to use the symbolic debugger, which uses the -g flag (on traditional Unix systems). Either flag can be specified here. To use neither flag, specify the word "none".

```

EOH
;;
*) $cat <<EOH

```

With the GNU C compiler, it is possible to supply both -O2 and -g flags, to be able to reasonably optimize, whilst retaining the ability to use a symbolic debugger. Either flag can be specified here. To use neither flag, specify the word "none".

```

EOH
;;
esac
rp="What optimizer/debugger flag should be used?"
./myread
optimize="$ans"
case "$optimize" in
'none') optimize=" ";;
esac

```

```

dflt="
: We will not override a previous value, but we might want to
: augment a hint file
case "$hint" in
default|recommended)
case "$gccversion" in
1*) dflt='-fpcc-struct-return' ;;
esac
?X:
check for POSIXized ISC
case "$gccversion" in
2*) if test -d /etc/conf/kconfig.d &&
$contains _POSIX_VERSION $usrinc/sys/unistd.h >/dev/null 2>&1

```



```

then
  dflt="$dflt -posix"
fi
;;
esac
?X: turn warnings on if they're using gcc
case "$gccversion" in
1*|2*) dflt="$dflt -Wall";;
?X: starting with version 3, add "-W -Wall -Wformat=2 -Wshadow" by default
*) dflt="$dflt -W -Wall -Wformat=2 -Wshadow";;
esac
;;
esac

```

?X: In USG mode, a MIPS system may need some BSD includes

```

case "$mips_type" in
*BSD*|*) inclwanted="$locincpth $usrinc";;
*) inclwanted="$locincpth $inclwanted $usrinc/bsd";;
esac
for thisincl in $inclwanted; do
  if $test -d $thisincl; then
    if $test x$thisincl != x$usrinc; then
      case "$dflt" in
*$thisincl*);;
*) dflt="$dflt -I$thisincl";;
esac
    fi
  fi
done

```

?X: Include test function (header, symbol)

```

inctest='if $contains $2 $usrinc/$1 >/dev/null 2>&1; then
xxx=true;
elif $contains $2 $usrinc/sys/$1 >/dev/null 2>&1; then
xxx=true;
else
xxx=false;
fi;
if
$xxx; then
case "$dflt" in
*$2*);;
*) dflt="$dflt -D$2";;
esac;
fi'

```

?X:

?X: OSF/1 uses `__LANGUAGE_C__` instead of `LANGUAGE_C`

```
?X:
if ./osf1; then
  set signal.h __LANGUAGE_C__; eval $inctest
else
  set signal.h LANGUAGE_C; eval $inctest
fi
```

```
case "$hint" in
default|recommended) dflt="$ccflags $dflt" ;;
*) dflt="$ccflags";;
esac
```

```
case "$dflt" in
"|' ') dflt=none;;
esac
$cat <<EOH
```

Your C compiler may want other flags. For this question you should include -I/whatever and -DWHATEVER flags and any other flags used by the C compiler, but you should NOT include libraries or ld flags like -lwhatever.

To use no flags, specify the word "none".

```
EOH
?X: strip leading space
set X $dflt
shift
dflt=${1+"$@"}
rp="Any additional cc flags?"
./myread
case "$ans" in
none) ccflags="";;
*) ccflags="$ans";;
esac
```

: the following weeds options from ccflags that are of no interest to cpp

```
cppflags="$ccflags"
case "$gccversion" in
1*) cppflags="$cppflags -D__GNUC__"
esac
case "$mips_type" in
");;
*BSD*)
  cppflags="$cppflags -DSYSTYPE_BSD43";;
esac
case "$cppflags" in
");;
*)
```

```

echo " "
echo "Let me guess what the preprocessor flags are..." >&4
set X $cppflags
shift
cppflags=""
$cat >cpp.c <<'EOM'
#define BLURFL foo

BLURFL xx LFRULB
EOM
?X:
?X: For each cc flag, try it out with both cppstdin and cprun, since the
?X: first is almost surely a cc wrapper. We have to try both in case
?X: of cc flags like '-Olimit 2900' that are actually two words...
?X:
previous=""
for flag in $*
do
case "$flag" in
-*) ftry="$flag";;
*) ftry="$previous $flag";;
esac
if $cppstdin -DLFRULB=bar $ftry $cppminus <cpp.c \
>cpp1.out 2>/dev/null && \
$cpprun -DLFRULB=bar $ftry $cpplast <cpp.c \
>cpp2.out 2>/dev/null && \
$contains 'foo.*xx.*bar' cpp1.out >/dev/null 2>&1 && \
$contains 'foo.*xx.*bar' cpp2.out >/dev/null 2>&1
then
cppflags="$cppflags $ftry"
previous=""
else
previous="$flag"
fi
done
set X $cppflags
shift
cppflags=${1+"$@"}
case "$cppflags"
in
*~*) echo "They appear to be: $cppflags";;
esac
$rm -f cpp.c cpp?.out
;;
esac

: flags used in final linking phase
case "$ldflags" in

```

```

") if ./venix; then
  dflt='-i -z'
else
  dflt=""
fi
case "$ccflags" in
*-posix*) dflt="$dflt -posix" ;;
esac
;;
*) dflt="$ldflags";;
esac

```

: Try to guess additional flags to pick up local libraries.

```

for thislibdir in $libpth; do
  case " $loclibpth " in
*" $thislibdir ")
  case "$dflt " in
*" -L$thislibdir ") ;;
*) dflt="$dflt -L$thislibdir" ;;
esac
;;
esac
done

```

```

case "$dflt" in
") dflt='none' ;;
*) set X $dflt; shift; dflt="$@" ;;
esac

```

\$cat <<EOH

Your C linker may need flags. For this question you should include -L/whatever and any other flags used by the C linker, but you should NOT include libraries like -lwhatever.

Make sure you include the appropriate -L/path flags if your C linker does not normally search all of the directories you specified above, namely

\$libpth

To use no flags, specify the word "none".

EOH

```

rp="Any
additional ld flags (NOT including libraries)?"
./myread
case "$ans" in
none) ldflags="";;

```

```

*) ldflags="$Sans";;
esac
rmlist="$rmlist pdp11"

@if lkflags
: partial linking may need other flags
case "$lkflags" in
") case "$ldflags" in
") dflt='none';;
*) dflt="$ldflags";;
esac;;
*) dflt="$lkflags";;
esac
echo " "
rp="Partial linking flags to be used (NOT including -r)?"
. ./myread
case "$Sans" in
none) lkflags="";;
*) lkflags="$Sans";;
esac

@end
?X:
?X: If the user changes compilers after selecting a hint file, it's
?X: possible that the suggested ccflags/ldflags will be wrong. Try to
?X: compile and run a simple test program. Let the user see all the
?X: error messages. -- ADO and RAM
?X:
: coherency check
echo " "
echo "Checking your choice of C compiler and flags for coherency..." >&4
?X: Strip extra blanks in case some of the following variables are empty
set X $cc $optimize $ccflags $ldflags -o try try.c
shift
$cat >try.msg <<EOM
I've tried to compile and run a simple program
with:

$*
./try

```

and I got the following output:

```

EOM
$cat > try.c <<'EOF'
#include <stdio.h>
int main() { exit(0); }
EOF

```

```

dflt=y
?X: Use "sh -c" to avoid error messages tagged with leading "Configure:".
?X: We need to try the resulting executable, because cc might yield a 0 status
?X: even when ld failed, in which case the executable will not run properly,
?X: if its x bit is set at all...
if sh -c "$cc $optimize $ccflags $ldflags -o try try.c" >>try.msg 2>&1; then
if sh -c './try' >>try.msg 2>&1; then
    dflt=n
else
    echo "The program compiled OK, but exited with status $?." >>try.msg
    rp="You have a problem. Shall I abort Configure"
    dflt=y
fi
else
    echo "I can't compile the test program." >>try.msg
    rp="You have a BIG problem. Shall I abort Configure"
    dflt=y
fi
case "$dflt" in
y)
    $cat try.msg >&4
?X: using -K will prevent default aborting--maybe they're cross compiling?
    case "$knowitall" in
")
        echo "(The supplied flags might be incorrect with this C compiler.)"
        ;;
*)
        dflt=n;;
esac
    echo " "
    ./myread
    case "$ans" in
n*|N*) ;;
*) echo "Ok. Stopping Configure." >&4
    exit 1
    ;;
esac
    ;;
n) echo "OK, that should do.";;
esac
$rm_try

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/ccflags.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_byacc.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```

?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_byacc.U,v $
?RCS: Revision 3.0.1.1 1997/02/28 15:31:14 ram
?RCS: patch61: created
?RCS:
?MAKE:d_byacc: byacc Setvar
?MAKE: -pick add $@ %<
?S:d_byacc:
?S: This variable indicates whether byacc is available.
?S: If the user has specified 'portability', then Makefile.SH
?S: sees $byacc='byacc' whether or not the user actually has
?S: byacc. This variable allows us to determine in a makefile
?S: if we really
    have byacc.
?S:.
?LINT:set d_byacc
: Check if we really have byacc
case "$byacc" in
|"byacc") val="$undef" ;;
*) val="$define" ;;
esac
set d_byacc
eval $setvar

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_byacc.U
```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: i_stddef.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:

```

?RCS: \$Log: i\_stddef.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:08:27 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:i\_stddef: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_stddef:  
?S: This variable conditionally defines the I\_STDDEF symbol, which  
?S: indicates to the C program that <stddef.h> exists and should  
?S: be included.  
?S:.  
?C:I\_STDDEF:  
?C: This symbol, if defined, indicates that <stddef.h> exists and should  
?C: be included.  
?C:.  
?H:#\$i\_stddef I\_STDDEF /\*\*/  
?H:.  
?LINT:set  
i\_stddef  
: see if stddef is available  
set stddef.h i\_stddef  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_stddef.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_setlocale.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: d\_setlocale.U,v \$  
?RCS: Revision 3.0.1.1 1994/06/20 06:57:51 ram  
?RCS: patch30: created  
?RCS:  
?MAKE:d\_setlocale: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_setlocale:  
?S: This variable conditionally defines HAS\_SETLOCALE if setlocale() is



?S: available to handle locale-specific ctype implementations.

?S:.

?C:HAS\_SETLOCALE:

?C: This symbol, if defined, indicates that the setlocale routine is

?C: available to handle locale-specific ctype implementations.

?C:.

?H:#\$d\_setlocale HAS\_SETLOCALE /\*\*/

?H:.

?LINT:set d\_setlocale

: see if setlocale exists

set setlocale d\_setlocale

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setlocale.U

No license file was found, but licenses were detected in source scan.

case \$CONFIG in

")

if test -f config.sh; then TOP=.;

elif test -f ../config.sh; then TOP=..;

elif test -f ../../config.sh; then TOP=../../;

elif test -f ../../../../config.sh; then TOP=../../../../;

elif test -f ../../../../../../config.sh; then TOP=../../../../../../;

else

echo "Can't find config.sh."; exit 1

fi

. \$TOP/config.sh

::

esac

case "\$0" in

\*/\*) cd `expr X\$0 : 'X\(.\*/\)^'` ;;

esac

echo "Extracting makedir (with variable substitutions)"

\$spitshell >makedir <<!GROK!THIS!

\$startsh

# \$Id: makedir.sh,v 3.0.1.1 1994/01/24 14:00:08 ram Exp ram \$

#

# Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

#

# You may redistribute only under the terms of the Artistic Licence,

# as specified in the README file that comes with the distribution.

# You may reuse parts of this distribution only within the terms of

# that same Artistic Licence; a copy of which may be found at the root

# of the source tree for dist 4.0.

#

```

# Original
Author: Larry Wall <lwall@netlabs.com>
#
# $Log: mkdir.sh,v $
# Revision 3.0.1.1 1994/01/24 14:00:08 ram
# patch16: changed top ln-style config.sh lookup into test-style one
#
# Revision 3.0 1993/08/18 12:04:38 ram
# Baseline for dist 3.0 netwide release.
#

export PATH || (echo "OOPS, this isn't sh. Desperation time. I will feed myself to sh."; sh \${0}; kill \${0})

case \# in
0)
    $echo "mkdir pathname filenameflag"
    exit 1
    ;;
esac

: guarantee one slash before 1st component
case \$1 in
/*) ;;
*) set .^$1 \${2} ;;
esac

: strip last component if it is to be a filename
case X\$2 in
X1) set \ $echo \$1 | $sed 's:(.*)/[^/]*\$:1:\` ;;
*) set \$1 ;;
esac

: return reasonable status if nothing to be created
if $test -d "\$1" ; then
    exit 0
fi

list=""
while true ; do
    case \$1 in
    /*)
        list="\$1 \$list"
        set \ $echo \$1 | $sed 's:(.*)/:1:\`
        ;;
    *)
        break
    ;;
    esac

```

done

set \list

for dir do

  \$mkdir \\${dir} >/dev/null 2>&1

done

!GROK!THIS!

\$eunicefix

  mkdir

  chmod +x mkdir

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/mkdir.SH

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: patchlevel.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 16:18:41 ram

?RCS: patch61: added support for src.U

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:31 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:patchlevel: package baserev test rsrc

?MAKE: -pick add \$@ %<

?T:Revision

?S:patchlevel:

?S: The patchlevel level of this package.

?S: The value of patchlevel comes from the patchlevel.h file.

?S:.

: get the patchlevel

echo " "

echo "Getting the current patchlevel..." >&4

if \$test -r

  \$src/patchlevel.h;then

  patchlevel=`awk \

  '^#[ ]\*define[ ][ ]\*PATCHLEVEL/ {print \$3}' \

```
< $src/patchlevel.h`
else
patchlevel=0
fi
echo "(You have $package $baserev PL$patchlevel.)"
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/patchlevel.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: usethreads.U,v \$

?RCS:

?RCS: Copyright (c) 1998-2000 Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: \$Log: usethreads.U,v \$

?RCS:

?MAKE:usethreads useithreads use5005threads d\_oldpthreads usereentrant: \  
Myread Oldconfig Setvar test cat patchlevel

?MAKE: -pick add \$@ %<

?Y:TOP

?S:usethreads:

?S: This variable conditionally defines the USE\_THREADS symbol,

?S: and indicates that Perl should be built to use threads.

?S:.

?S:useithreads:

?S: This variable conditionally defines the USE\_ITHREADS symbol,

?S: and indicates that Perl should be built to use the interpreter-based

?S: threading implementation.

?S:.

?S:use5005threads:

?S: This variable conditionally defines the USE\_5005THREADS symbol,

?S: and indicates that Perl should be built to use the 5.005-based

?S: threading implementation.

Only valid up to 5.8.x.

?S:.

?X: I'm putting old\_pthreads in this unit because it might eventually

?X: be part of an automatic determination to see if we can use threads

?X: at all.

?S:d\_oldpthreads:

?S: This variable conditionally defines the OLD\_PTHREADS\_API symbol,

?S: and indicates that Perl should be built to use the old

?S: draft POSIX threads API. This is only potentially meaningful if

?S: usethreads is set.

?S:.

?S:usereentrant:  
 ?S: This variable conditionally defines the USE\_REENTRANT\_API symbol,  
 ?S: which indicates that the thread code may try to use the various  
 ?S: \_r versions of library functions. This is only potentially  
 ?S: meaningful if usethreads is set and is very experimental, it is  
 ?S: not even prompted for.  
 ?S:.  
 ?C:USE\_ITHREADS:  
 ?C: This symbol, if defined, indicates that Perl should be built to  
 ?C: use the interpreter-based threading implementation.  
 ?C:.  
 ?C:USE\_5005THREADS:  
 ?C: This symbol, if defined, indicates that Perl should be built to  
 ?C: use the 5.005-based  
 ?C: threading implementation.  
 ?C: Only valid up to 5.8.x.  
 ?C:.  
 ?C:USE\_THREADS:  
 ?C: This symbol, if defined, indicates that Perl should  
 ?C: be built to use threads. At present, it is a synonym for  
 ?C: USE\_5005THREADS for perl older than 5.8 and USE\_ITHREADS  
 ?C: for 5.8.x and newer, but eventually the source ought to be  
 ?C: changed to use this to mean \_any\_ threading implementation.  
 ?C:.  
 ?C:OLD\_PTHREADS\_API:  
 ?C: This symbol, if defined, indicates that Perl should  
 ?C: be built to use the old draft POSIX threads API.  
 ?C:.  
 ?C:USE\_REENTRANT\_API:  
 ?C: This symbol, if defined, indicates that Perl should  
 ?C: try to use the various \_r versions of library functions.  
 ?C: This is extremely experimental.  
 ?C:.  
 ?H:#\$use5005threads USE\_5005THREADS /\*\*/  
 ?H:#\$useithreads USE\_ITHREADS /\*\*/  
 ?H:%<:#if defined(USE\_5005THREADS) && !defined(USE\_ITHREADS)  
 ?H:%<:#define USE\_THREADS /\* until src is revised\*/  
 ?H:%<:#endif  
 ?H:#\$d\_oldpthreads OLD\_PTHREADS\_API /\*\*/  
 ?H:#\$usereentrant USE\_REENTRANT\_API /\*\*/  
 ?H:.  
 ?X:  
 [hmb] Removed LINT for use5005threads, useithreads, and  
 ?X: usereentrant, as LINT is only run on blead  
 ?LINT:set usethreads d\_oldpthreads  
 ?INIT:: set usethreads on the Configure command line to enable threads.  
 ?INIT:usereentrant='undef'  
 ?F:!usethreads.cbu

```

: Do we want threads support and if so, what type
?X: We should really have some explanatory text here, and some
?X: automatic setting of sensible defaults.
case "$usetthreads" in
$define|true|[yY]*) dflt='y';;
*) # Catch case where user specified itthreads or 5005threads but
# forgot -Dusetthreads (A.D. 4/2002)
case "$useithreads$use5005threads" in
*$define*) dflt='y';;
*) dflt='n';;
esac
;;
esac
cat <<EOM

```

Perl can be built to offer a form of threading support on some systems  
To do so, Configure can be run with -Dusetthreads.

Note that Perl built with threading support runs slightly slower  
and uses slightly more memory than plain Perl.

If this doesn't make  
any sense to you, just accept the default '\$dflt'.

EOM

```

rp='Build a threading Perl?'
./myread
case "$ans" in
y|Y) val="$define" ;;
*) val="$undef" ;;
esac
set usethreads
eval $setvar

```

```

if $test $patchlevel -lt 9; then
case "$usetthreads" in
$define)
: Default to itthreads unless overridden on command line or with
: old config.sh
dflt='y'
case "$use5005threads" in
$define|true|[yY]*)
echo "5.005 threads are no longer supported"
exit 1
;;
esac
case "$useithreads" in
$undef|false|[nN]*) dflt='n';;
esac

```

```

rp='Use the newer interpreter-based ithreads?'
. ./myread
case "$ans" in
y|Y)  val="$define" ;;
*)    val="$undef" ;;
esac
set useithreads
eval $setvar
: Now set use5005threads to the opposite value.
case "$useithreads" in
$define) val="$undef" ;;
*) val="$define" ;;
esac
set use5005threads
eval $setvar
;;
*)
useithreads="$undef"
use5005threads="$undef"
;;
esac

```

?X: This is not supposed to be possible but with some trickery, maybe.

```

case "$useithreads$use5005threads" in
"$define$define")
$cat >&4 <<EOM

```

You cannot have both the ithreads and the 5.005 threads enabled at the same time. Disabling the 5.005 threads since they are much less stable than the ithreads.

```

EOM
use5005threads="$undef"
;;
esac

```

else  
: perl-5.9.x and later

```

if test X"$setthreads" = "X$define"; then
case "$use5005threads" in
$define|true|[yY]*)
$cat >&4 <<EOM

```

5.005 threads has been removed for 5.10. Perl will be built using ithreads.

EOM

```

;;
esac
fi

use5005threads="$undef"
useithreads="$usetthreads"
fi

```

?X: Check out what kind of threads API we have

```

case "$d_oldpthreads" in
*) : Configure tests would be welcome here. For now, assume undef.
val="$undef" ;;
*) val="$d_oldpthreads" ;;
esac
set d_oldpthreads
eval $setvar

```

?X: In general, -lpthread needs to come before -lc but after other  
?X: libraries such as -lgdbm and such like. We assume here that -lc  
?X: is present in libswanted. If that  
fails to be true, then this  
?X: can be changed to add pthread to the very end of libswanted.

```

: Look for a hint-file generated 'call-back-unit'. If the
: user has specified that a threading perl is to be built,
: we may need to set or change some other defaults.
if $test -f usethreads.cbu; then
    echo "Your platform has some specific hints regarding threaded builds, using them..."
    . ./usethreads.cbu
else
    case "$usetthreads" in
"$define"|true|[yY]*)
    $cat <<EOM
(Your platform does not have any specific hints for threaded builds.
Assuming POSIX threads, then.)
EOM
;;
esac
fi

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/usethreads.U

```

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:



?MAKE:d\_log2: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_log2:  
?S: This variable conditionally defines the HAS\_LOG2 symbol, which  
?S: indicates to the C program that the log2() routine is available  
?S: to compute log base two.  
?S:.  
?C:HAS\_LOG2:  
?C: This symbol, if defined, indicates that the log2 routine is  
?C: available to do the log2 function.  
?C:.  
?H:#\$d\_log2 HAS\_LOG2 /\*\*/  
?H:.  
?LINT:set d\_log2  
: see if log2 exists  
set log2 d\_log2  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_log2.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getpwnam\_r.U,v 0RCS:  
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.  
?RCS:  
?MAKE:d\_getpwnam\_r getpwnam\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_pwd extern\_C  
?MAKE: -pick add \$@ %<  
?S:d\_getpwnam\_r:  
?S: This variable conditionally defines the HAS\_GETPWNAM\_R symbol,  
?S: which indicates to the C program that the getpwnam\_r()  
?S: routine is available.  
?S:.  
?S:getpwnam\_r\_proto:  
?S: This variable encodes the prototype of getpwnam\_r.  
?S: It is zero if d\_getpwnam\_r is undef, and one of the  
?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getpwnam\_r  
?S: is defined.  
?S:.  
?C:HAS\_GETPWNAM\_R:  
?C: This symbol, if defined, indicates that the getpwnam\_r routine  
?C: is available to

```

getpwnam re-entrantly.
?C:.
?C:GETPWNAM_R_PROTO:
?C: This symbol encodes the prototype of getpwnam_r.
?C: It is zero if d_getpwnam_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_getpwnam_r
?C: is defined.
?C:.
?H:#$d_getpwnam_r HAS_GETPWNAM_R /**/
?H:#define GETPWNAM_R_PROTO $getpwnam_r_proto /**/
?H:.
?T:try hdrs d_getpwnam_r_proto
: see if getpwnam_r exists
set getpwnam_r d_getpwnam_r
eval $inlibc
case "$d_getpwnam_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_pwd pwd.h"
case "$d_getpwnam_r_proto:$usetthreads" in
":define") d_getpwnam_r_proto=define
set d_getpwnam_r_proto getpwnam_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_getpwnam_r_proto" in
define)
case "$getpwnam_r_proto" in
"|0) try='int getpwnam_r(const char*, struct passwd*, char*, size_t, struct passwd**);'
./protochk "$extern_C $try" $hdrs && getpwnam_r_proto=I_CSBWR ;;
esac
case "$getpwnam_r_proto" in
"|0) try='int getpwnam_r(const char*, struct passwd*,
char*, int, struct passwd**);'
./protochk "$extern_C $try" $hdrs && getpwnam_r_proto=I_CSBIR ;;
esac
case "$getpwnam_r_proto" in
"|0) try='struct passwd* getpwnam_r(const char*, struct passwd*, char*, int);'
./protochk "$extern_C $try" $hdrs && getpwnam_r_proto=S_CSBI ;;
esac
case "$getpwnam_r_proto" in
"|0) try='int getpwnam_r(const char*, struct passwd*, char*, int);'
./protochk "$extern_C $try" $hdrs && getpwnam_r_proto=I_CSBI ;;
esac
case "$getpwnam_r_proto" in
"|0) d_getpwnam_r=undef
getpwnam_r_proto=0
echo "Disabling getpwnam_r, cannot determine prototype." >&4 ;;
* ) case "$getpwnam_r_proto" in

```

```

REENTRANT_PROTO*) ;;
*) getpwnam_r_proto="REENTRANT_PROTO_${getpwnam_r_proto}" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "getpwnam_r has no prototype, not using it." >&4 ;;
esac
d_getpwnam_r=undef
getpwnam_r_proto=0
;;
esac
;;
*) getpwnam_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_getpwnam_r.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: so.U,v \$

?RCS: Revision 3.0.1.2 1994/10/29 16:30:04 ram

?RCS: patch36: now tells user how he can suppress shared lib lookup (ADO)

?RCS: patch36: removed echo at the top, since it's now in the here-doc (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/06/20 07:07:02 ram

?RCS: patch30: created

?RCS:

?X:

?X: This unit computes the shared-object / shared-lib extension

?X:

?MAKE:so: test libpth Loc Myread Oldconfig cat

?MAKE: -pick add \$@ %<

?S:so:

?S: This variable holds the extension used to identify

```

shared libraries
?S: (also known as shared objects) on the system. Usually set to 'so'.
?S:.
?T: xxx
: compute shared library extension
case "$so" in
")
if xxx=`./loc libc.sl X $libpth`; $test -f "$xxx"; then
  dflt='sl'
else
  dflt='so'
fi
;;
*) dflt="$so";;
esac
$cat <<EOM

```

On some systems, shared libraries may be available. Answer 'none' if you want to suppress searching of shared libraries for the remainder of this configuration.

```

EOM
rp='What is the file extension used for shared libraries?'
. ./myread
so="$ans"

```

```

Found in path(s):
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/so.U
No license file was found, but licenses were detected in source scan.

```

```

?RCS: $Id: d_vfork.U,v 3.0.1.6 1994/08/29 16:18:21 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: d_vfork.U,v $
?RCS: Revision 3.0.1.6 1994/08/29 16:18:21 ram
?RCS: patch32: set default to 'y' the first time
?RCS:
?RCS: Revision 3.0.1.5 1994/06/20 06:59:14 ram
?RCS: patch30: usevfork was not always properly set
?RCS:

```

?RCS: Revision 3.0.1.4 1994/05/13 15:20:56 ram  
?RCS: patch27: modified to avoid spurious Whoa warnings (ADO)  
?RCS:  
?RCS: Revision 3.0.1.3 1994/05/06 14:59:09 ram  
?RCS: patch23: now explicitly ask whether vfork() should be used  
(ADO)  
?RCS:  
?RCS: Revision 3.0.1.2 1993/10/16 13:49:39 ram  
?RCS: patch12: added magic for vfork()  
?RCS:  
?RCS: Revision 3.0.1.1 1993/09/13 16:06:57 ram  
?RCS: patch10: removed automatic remapping of vfork on fork (WAD)  
?RCS: patch10: added compatibility code for older config.sh (WAD)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:07:55 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_vfork usevfork d\_pseudofork: Inlibc Myread Oldconfig Setvar  
?MAKE: -pick add \$@ %<  
?S:d\_vfork:  
?S: This variable conditionally defines the HAS\_VFORK symbol, which  
?S: indicates the vfork() routine is available.  
?S:.  
?S:usevfork:  
?S: This variable is set to true when the user accepts to use vfork.  
?S: It is set to false when no vfork is available or when the user  
?S: explicitly requests not to use vfork.  
?S:.  
?S:d\_pseudofork:  
?S: This variable conditionally defines the HAS\_PSEUDOFORK symbol,  
?S: which indicates that an emulation of the fork routine is available.  
?S:.  
?C:HAS\_VFORK (VFORK):  
?C: This  
symbol, if defined, indicates that vfork() exists.  
?C:.  
?H:#\$d\_vfork HAS\_VFORK /\*\*/  
?H:.  
?C:HAS\_PSEUDOFORK:  
?C: This symbol, if defined, indicates that an emulation of the  
?C: fork routine is available.  
?C:.  
?H:#\$d\_pseudofork HAS\_PSEUDOFORK /\*\*/  
?H:.  
?M:vfork: HAS\_VFORK  
?M:#ifndef HAS\_VFORK  
?M:#define vfork fork  
?M:#endif

```

?M:.
?T:d_hvfork
: backward compatibility for d_hvfork
if test X$d_hvfork != X; then
d_vfork="$d_hvfork"
d_hvfork=""
fi
?X:=====
: see if there is a vfork
val=""
set vfork val
eval $inlibc

d_pseudofork=$undef

: Ok, but do we want to use it. vfork is reportedly unreliable in
: perl on Solaris 2.x, and probably elsewhere.
case "$val" in
$define)
echo " "
case "$usevfork" in
false) dflt='n';;
*) dflt='y';;
esac
cat <<'EOM'

```

Perl can only use a vfork() that doesn't suffer from strict restrictions on calling functions or modifying global data in the child. For example, glibc-2.1 contains such a vfork() that is unsuitable. If your system provides a proper fork() call, chances are that you do NOT want perl to use vfork().

```

EOM
rp="Do you still want to use vfork()?"
./myread
case "$ans" in
y|Y) ;;
*)
echo "Ok, we won't use vfork()."
val="$undef"
;;
esac
;;
esac
?X:
?X: Only set it when final value is known to avoid spurious Whoa's
?X: Then set usevfork accordingly to the current value, for next run

```

```
?X:
set d_vfork
eval $setvar
case "$d_vfork" in
$define) usevfork='true';;
*) usevfork='false';;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_vfork.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_gmtime_r.U,v 0RCS:
```

```
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.
```

```
?RCS:
```

```
?MAKE:d_gmtime_r gmtime_r_proto: Inlibc Protochk Hasproto i_systypes \
  usethreads i_time i_systime extern_C
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_gmtime_r:
```

```
?S: This variable conditionally defines the HAS_GMTIME_R symbol,
```

```
?S: which indicates to the C program that the gmtime_r()
```

```
?S: routine is available.
```

```
?S:.
```

```
?S:gmtime_r_proto:
```

```
?S: This variable encodes the prototype of gmtime_r.
```

```
?S: It is zero if d_gmtime_r is undef, and one of the
```

```
?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_gmtime_r
```

```
?S: is defined.
```

```
?S:.
```

```
?C:HAS_GMTIME_R:
```

```
?C: This symbol, if defined, indicates that the gmtime_r routine
```

```
?C: is available to gmtime re-entrantly.
```

```
?C:.
```

```
?C:GMTIME_R_PROTO:
```

```
?C: This
```

```
symbol encodes the prototype of gmtime_r.
```

```
?C: It is zero if d_gmtime_r is undef, and one of the
```

```
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_gmtime_r
```

```
?C: is defined.
```

```
?C:.
```

```
?H:#$d_gmtime_r HAS_GMTIME_R /**/
```

```
?H:#define GMTIME_R_PROTO $gmtime_r_proto /**/
```

```

?H:
?T:try hdrs d_gmtime_r_proto
: see if gmtime_r exists
set gmtime_r d_gmtime_r
eval $inlibc
case "$d_gmtime_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_time time.h $i_systime sys/time.h"
case "$d_gmtime_r_proto:$usethreads" in
":define") d_gmtime_r_proto=define
set d_gmtime_r_proto gmtime_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_gmtime_r_proto" in
define)
case "$gmtime_r_proto" in
"|0) try='struct tm* gmtime_r(const time_t*, struct tm*);'
./protochk "$extern_C $try" $hdrs && gmtime_r_proto=S_TS ;;
esac
case "$gmtime_r_proto" in
"|0) try='int gmtime_r(const time_t*, struct tm*);'
./protochk "$extern_C $try" $hdrs && gmtime_r_proto=I_TS ;;
esac
case
"$gmtime_r_proto" in
"|0) d_gmtime_r=undef
gmtime_r_proto=0
echo "Disabling gmtime_r, cannot determine prototype." >&4 ;;
* ) case "$gmtime_r_proto" in
REENTRANT_PROTO*) ;;
*) gmtime_r_proto="REENTRANT_PROTO_$gmtime_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "gmtime_r has no prototype, not using it." >&4 ;;
esac
d_gmtime_r=undef
gmtime_r_proto=0
;;
esac
;;
*) gmtime_r_proto=0
;;
esac

```



Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_gmtime\_r.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Getfile.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Getfile.U,v \$

?RCS: Revision 3.0.1.7 1997/02/28 15:01:06 ram

?RCS: patch61: getfile script now begins with "startsh"

?RCS:

?RCS: Revision 3.0.1.6 1995/02/15 14:11:00 ram

?RCS: patch51: was not working if ~'s allowed with d\_portable on (WED)

?RCS:

?RCS: Revision 3.0.1.5 1995/01/11 15:11:25 ram

?RCS: patch45: added support for escaping answers to skip various checks

?RCS: patch45: modified message issued after file expansion

?RCS:

?RCS: Revision

3.0.1.4 1994/10/29 15:53:19 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS:

?RCS: Revision 3.0.1.3 1994/05/06 14:23:36 ram

?RCS: patch23: getfile could be confused by file name in "locate" requests

?RCS: patch23: new 'p' directive to assume file is in people's path (WED)

?RCS:

?RCS: Revision 3.0.1.2 1994/01/24 14:01:31 ram

?RCS: patch16: added metalint hint on changed 'ans' variable

?RCS:

?RCS: Revision 3.0.1.1 1993/09/13 15:46:27 ram

?RCS: patch10: minor format problems and misspellings fixed

?RCS: patch10: now performs from package dir and not from UU subdir

?RCS:

?RCS: Revision 3.0 1993/08/18 12:04:56 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit produces a bit of shell code that must be dotted in in order

?X: to get a file name and make some sanity checks. Optionally, a ~name

?X: expansion is performed.

?X:

?X: To use this unit, \$rp and \$dflt must hold the question and the  
 ?X: default answer, which will be passed as-is  
 to the myread script.

?X: The \$fn variable must hold the file type (f or d, for file/directory).

?X: If \$gfpth is set to a list of space-separated list of directories,  
 ?X: those are prefixes for the filename. Unless \$gfpthkeep is set to 'y',  
 ?X: gfpth is cleared on return from Getfile.

?X:

?X: If is is followed by a ~, then ~name substitution will occur. Upon return,  
 ?X: \$ans is set with the filename value. If a / is specified, then only a full  
 ?X: path name is accepted (but ~ substitution occurs before, if needed). The  
 ?X: expanded path name is returned in that case.

?X:

?X: If a + is specified, the existence checks are skipped. This usually means  
 ?X: the file/directory is under the full control of the program.

?X:

?X: If the 'n' (none) type is used, then the user may answer none.

?X: The 'e' (expand) switch may be used to bypass d\_portable, expanding ~name.

?X:

?X: If the 'l' (locate) type is used, then it must end with a ':' and then a  
 ?X: file name. If the answer is a directory,  
 the file name will be appended  
 ?X: before testing for file existence. This is useful in locate-style  
 ?X: questions like "where is the active file?". In that case, one should  
 ?X: use:

?X:

?X: dflt='~news/lib'

?X: fn='l~:active'

?X: rp='Where is the active file?'

?X: ./getfile

?X: active="\$ans"

?X:

?X: If the 'p' (path) letter is specified along with 'l', then an answer  
 ?X: without a leading / will be expected to be found in everyone's path.

?X:

?X: It is also possible to include a comma-separated list of items within  
 ?X: parentheses to specify which items should be accepted as-is with no  
 ?X: further checks. This is useful when for instance a full path is expected  
 ?X: but the user may escape out via "magical" answers.

?X:

?X: If the answer to the question is 'none', then the existence checks are  
 ?X: skipped and the empty string is returned.

?X:

?MAKE:Getfile: d\_portable contains startsh Myread Filexp tr trnl

?MAKE: -pick add \$@ %<

?V:ansexp:fn gfpth gfpthkeep

?F:./getfile

```

?T:tilde
type what orig_rp orig_dflt fullpath already redo skip none_ok \
value exp_file nopath_ok loc_file fp pf dir direxp
?LINT:change ans
?LINT:change gfpth
: now set up to get a file name
cat <<EOS >getfile
$startsh
EOS
cat <<'EOESC' >>getfile
tilde=""
fullpath=""
already=""
skip=""
none_ok=""
exp_file=""
nopath_ok=""
orig_rp="$rp"
orig_dflt="$dflt"
case "$gfpth" in
") gfpth='.' ;;
esac

```

```

?X: Begin by stripping out any (...) grouping.
case "$fn" in
*\(*)
: getfile will accept an answer from the comma-separated list
: enclosed in parentheses even if it does not meet other criteria.
expr "$fn" : '.*(\(.*\)).*' | $tr ' ' $trnl >getfile.ok
fn=`echo $fn | sed 's/(.*)//'^
;;
esac

```

```

?X: Catch up 'locate' requests early, so that we may strip the file name
?X: before looking at the one-letter commands, in case the file name contains
?X: one of them. Reported by Wayne Davison <davison@borland.com>.

```

```

case "$fn" in
*:* )
loc_file=`expr $fn : '.*:(.*)'^
fn=`expr $fn : \"(.*)\".*^
;;
esac

```

```

case
"$fn" in
*~*) tilde=true;;
esac
case "$fn" in

```

```

*/*) fullpath=true;;
esac
case "$fn" in
*+*) skip=true;;
esac
case "$fn" in
*n*) none_ok=true;;
esac
case "$fn" in
*e*) exp_file=true;;
esac
case "$fn" in
*p*) nopath_ok=true;;
esac

case "$fn" in
*f*) type='File';;
*d*) type='Directory';;
*l*) type='Locate';;
esac

what="$type"
case "$what" in
Locate) what='File';;
esac

case "$exp_file" in
")
case "$d_portable" in
"$define") ;;
*) exp_file=true;;
esac
;;
esac

cd ..
while test "$type"; do
redo="
rp="$orig_rp"
dflt="$orig_dflt"
case "$tilde" in
true) rp="$rp (~name ok)";;
esac
. UU/myread
?X: check for allowed escape sequence which may be accepted verbatim.
if test -f UU/getfile.ok && \
$contains "^$ans$" UU/getfile.ok >/dev/null 2>&1
then

```

```

value="$ans"
ansexp="$ans"
break
fi
case "$ans" in
none)
value="
ansexp="
case "$none_ok" in
true) type="";;
esac
;;
*)
case "$tilde" in
") value="$ans"
ansexp="$ans";;
*)
value=`UU/filexp $ans`
case
$? in
0)
if test "$ans" != "$value"; then
echo "(That expands to $value on this system.)"
fi
;;
*) value="$ans";;
esac
ansexp="$value"
case "$exp_file" in
") value="$ans";;
esac
;;
esac
case "$fullpath" in
true)
?X: Perform all the checks on ansexp and not value since when d_portable
?X: is defined, the original un-expanded answer which is stored in value
?X: would lead to "non-existent" error messages whilst ansexp has been
?X: properly expanded. -- Fixed by Jan.Djarv@sa.erisoft.se (Jan Djarv)
?X: Always expand ~user if '/' was requested
case "$sansexp" in
/*) value="$sansexp" ;;
?X: Allow for c:/some/path
[a-zA-Z]:/*) value="$sansexp" ;;
*)
redo=true
case "$already" in
true)

```

```

echo "I shall only accept a full path name, as in /bin/ls." >&4
echo "Use a ! shell escape if you wish to check pathnames." >&4
;;
*)
echo "Please give a full path name, starting with slash." >&4
case "$tilde"
in
true)
echo "Note that using ~name is ok provided it expands well." >&4
already=true
;;
esac
esac
;;
esac
;;
esac
case "$redo" in
")
case "$type" in
File)
for fp in $gfpth; do
if test "X$fp" = X.; then
pf="$ansexp"
else
pf="$fp/$ansexp"
fi
if test -f "$pf"; then
type="
elif test -r "$pf" || (test -h "$pf") >/dev/null 2>&1
then
echo "($value is not a plain file, but that's ok.)"
type="
fi
if test X"$type" = X; then
value="$pf"
break
fi
done
;;
Directory)
for fp in $gfpth; do
if test "X$fp" = X.; then
dir="$sans"
direxp="$ansexp"
else
dir="$fp/$ansexp"
direxp="$fp/$ansexp"

```

```

fi
if test -d "$direxp"; then
    type="
    value="$dir"
    break
fi
done
;;
Locate)
if test -d "$ansexp"; then
    echo "(Looking for $loc_file in directory
$value.)"
    value="$value/$loc_file"
    ansexp="$ansexp/$loc_file"
fi
if test -f "$ansexp"; then
    type="
fi
case "$nopath_ok" in
true) case "$value" in
*/*) ;;
*) echo "Assuming $value will be in people's path."
    type="
    ;;
esac
;;
esac
;;
esac
;;
esac

case "$skip" in
true) type=";
esac

case "$type" in
") ;;
*)
if test "$fastread" = yes; then
    dflt=y
else
    dflt=n
fi
rp="$what $value doesn't exist. Use that name anyway?"
. UU/myread
dflt="
case "$ans" in
y*) type=";;
*) echo " ";;

```

```

    esac
    ;;
    esac
    ;;
    esac
    ;;
    esac
done
cd UU
ans="$value"
rp="$orig_rp"
dflt="$orig_dflt"
rm -f getfile.ok
test "X$gfpthkeep" != Xy && gfpth=""
EOSC

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Getfile.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_sysvfs.U,v \$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i\_sysvfs: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i\_sysvfs:

?S: This variable conditionally defines the I\_SYSVFS symbol,

?S: and indicates whether a C program should include <sys/vfs.h>.

?S:.

?C:I\_SYS\_VFS:

?C: This symbol, if defined, indicates that <sys/vfs.h> exists and

?C: should be included.

?C:.

?H:#\$i\_sysvfs I\_SYS\_VFS /\*\*/

?H:.

?LINT:set i\_sysvfs

: see if this is a sys/vfs.h system

set sys/vfs.h i\_sysvfs

eval \$inhdr

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_sysvfs.U
```



No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: lintlib.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: lintlib.U,v $
?RCS: Revision 3.0 1993/08/18 12:09:05 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:lintlib lintlibexp: Getfile Loc Oldconfig
?MAKE: -pick add $@ %<
?S:lintlib:
?S: This variable holds the name of the directory in which the user wants
?S: to put public lint-library files for the package in question. It is
?S: most often a local directory such as /usr/local/lib/lint. Programs using
?S: this variable must be prepared to
?S: deal with ~name expansion.
?S:
?S:lintlibexp:
?S: This variable is the same as the lintlib variable, but is filename
?S: expanded at configuration time, for convenient use in your makefiles.
?S:
?S: determine where public lint libraries go
case "$lintlib" in
") dflt=`/loc . ." /usr/local/lib/lint /usr/lib/lint /usr/lib`;
*) dflt="$lintlib" ;;
esac
echo " "
fn=d~
rp='Where do you want to put the public lint libraries?'
./getfile
lintlib="$ans"
lintlibexp="$ansexp"
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/lintlib.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_scandir.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
```

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_scandir.U,v \$  
?RCS: Revision 3.0.1.1 1994/01/24 14:06:35 ram  
?RCS: patch16: created  
?RCS:  
?MAKE:d\_scandir: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_scandir:  
?S: This variable conditionally defines HAS\_SCANDIR if scandir() is  
?S: available to scan a directory.  
?S:.  
?C:HAS\_SCANDIR:  
?C: This symbol, if defined, indicates that the scandir routine is  
?C: available to scan a directory.  
?C:.  
?H:#\$d\_scandir HAS\_SCANDIR /\*\*/  
?H:.  
?LINT:set d\_scandir  
: see if  
scandir exists  
set scandir d\_scandir  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_scandir.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: kernel.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: kernel.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:08:54 ram  
?RCS: Baseline for dist 3.0 netwide release.

```

?RCS:
?MAKE:kernel: Getfile test
?MAKE: -pick add $@ %<
?S:kernel:
?S: This variable becomes the (fully rooted) path name of the kernel.
?S:.
: find the name of the kernel.
echo " "
case "$kernel" in
")
if $test -r /unix; then
dflt=/unix
elif $test -r /vmunix; then
dflt=/vmunix
elif $test -r /xenix; then
dflt=/xenix
elif $test -r /mach; then
dflt=/mach
elif
$test -r /dgux; then
dflt=/dgux
elif $test -r /hp-ux; then
dflt=/hp-ux
elif $test -r /syst; then
dflt=/syst
elif $test -r /arix; then
dflt=/arix
elif $test -r /irix; then
dflt=/arix
else
dflt='unknown'
set X /*x
shift
case $# in
1)
if $test -r "$1"; then
dflt="$1"
fi
;;
esac
fi
;;
*)
dflt="$kernel"
;;
esac
fn=f
rp='What is the name of your kernel?'

```

```
./getfile
kernel="$sans"
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/kernel.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_ctermid\_r.U,v ORCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_ctermid\_r ctermid\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads extern\_C

?MAKE: -pick add \$@ %<

?S:d\_ctermid\_r:

?S: This variable conditionally defines the HAS\_CTERMID\_R symbol,

?S: which indicates to the C program that the ctermid\_r()

?S: routine is available.

?S:.

?S:ctermid\_r\_proto:

?S: This variable encodes the prototype of ctermid\_r.

?S: It is zero if d\_ctermid\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_ctermid\_r

?S: is defined.

?S:.

?C:HAS\_CTERMID\_R:

?C: This symbol, if defined, indicates that the ctermid\_r routine

?C: is available to ctermid re-entrantly.

?C:.

?C:CTERMID\_R\_PROTO:

?C: This

symbol encodes the prototype of ctermid\_r.

?C: It is zero if d\_ctermid\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_ctermid\_r

?C: is defined.

?C:.

?H:#\$d\_ctermid\_r HAS\_CTERMID\_R /\*\*/

?H:#define CTERMID\_R\_PROTO \$ctermid\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_ctermid\_r\_proto

: see if ctermid\_r exists

set ctermid\_r d\_ctermid\_r

eval \$inlibc

```

case "$d_ctermid_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h "
case "$d_ctermid_r_proto:$usethreads" in
":define") d_ctermid_r_proto=define
set d_ctermid_r_proto ctermid_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_ctermid_r_proto" in
define)
case "$ctermid_r_proto" in
"|0) try='char* ctermid_r(char*);'
./protochk "$extern_C $try" $hdrs && ctermid_r_proto=B_B ;;
esac
case "$ctermid_r_proto" in
"|0) d_ctermid_r=undef
ctermid_r_proto=0
echo "Disabling ctermid_r, cannot determine prototype." >&4 ;;
* ) case "$ctermid_r_proto" in
REENTRANT_PROTO*) ;;
*)
ctermid_r_proto="REENTRANT_PROTO_$ctermid_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "ctermid_r has no prototype, not using it." >&4 ;;
esac
d_ctermid_r=undef
ctermid_r_proto=0
;;
esac
;;
*) ctermid_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_ctermid_r.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_getcwd: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getcwd:

?S: This variable conditionally defines the HAS\_GETCWD symbol, which

?S: indicates to the C program that the getcwd() routine is available

?S: to get the current working directory.

?S:.

?C:HAS\_GETCWD :

?C: This symbol, if defined, indicates that the getcwd routine is

?C: available to get the current working directory.

?C:.

?H:#\$d\_getcwd HAS\_GETCWD /\*\*/

?H:.

?LINT:set d\_getcwd

: see if getcwd exists

set getcwd d\_getcwd

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_getcwd.U

No license file was found, but licenses were detected in source scan.

/\*

\* \$Id: dup2.C,v 3.0.1.1 1994/01/24 13:58:37 ram Exp ram \$

\*

\* Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

\*

\* You may redistribute only under the terms of the Artistic Licence,

\* as specified in the README file that comes with the distribution.

\* You may reuse parts of this distribution only within the terms of

\* that same Artistic Licence; a copy of which may be found at the root

\* of the source tree for dist 4.0.

\*

\* Original Author: Larry Wall <lwall@netlabs.com>

\*

\* \$Log: dup2.C,v \$

\* Revision 3.0.1.1 1994/01/24 13:58:37 ram

\* patch16: created

\*

\*/

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/C/fake/dup2.C

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_ftello: Inlibc longsize
?MAKE: -pick add $@ %<
?S:d_ftello:
?S: This variable conditionally defines the HAS_FTELLO symbol, which
?S: indicates to the C program that the ftello() routine is available.
?S:.
?C:HAS_FTELLO:
?C: This symbol, if defined, indicates that the ftello routine is
?C: available to ftell beyond 32 bits (useful for ILP32 hosts).
?C:.
?H:#$d_ftello HAS_FTELLO /**/
?H:.
?LINT:set d_ftello
: see if ftello exists
set ftello d_ftello
eval $inlibc
case "$longsize" in
8) echo "(Your long is 64 bits, so you could use ftell.)" ;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_ftello.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2000, Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:Devel usedevel: Myread rsrc package
?MAKE: -pick wipe $@ %<
?T:xversion
?X: waiver of rights
```

```

?S:usedevel:
?S: This variable indicates that Perl was configured with development
?S: features enabled. This should not be done for production builds.
?S:.
?C:PERL_USE_DEVEL:
?C: This symbol, if defined, indicates that Perl was configured with
?C: -Dusedevel, to enable development features. This should not be
?C: done for production builds.
?C:.
?H:#$usedevel PERL_USE_DEVEL /**/
?H:.
?LINT:extern versiononly
?LINT:extern
installusrbinperl
?LINT:change versiononly
?LINT:change installusrbinperl
: See if we are using a devel version and want that
xversion=`awk '/define[ ]+PERL_VERSION/ {print $3}' $src/patchlevel.h`
case "$usedevel" in
$define|true|[yY]*)
    usedevel="$define" ;;
*) case "$xversion" in
    *[13579])
    cat >&4 <<EOH
*** WHOA THERE!!! ***

```

This is an UNSTABLE DEVELOPMENT release.  
The version of this \$package distribution is \$xversion, that is, odd,  
(as opposed to even) and that signifies a development release.  
If you want a maintenance release, you want an even-numbered version.

Do \*\*\*NOT\*\*\* install this into production use.  
Data corruption and crashes are possible.

It is most seriously suggested that you do not continue any further  
unless you want to help in developing and debugging Perl.

If you \*still\* want to build perl, you can answer 'y' now,  
or pass -Dusedevel to Configure.

```

EOH
rp='Do you really want to continue?'
dflt='n'
. ./myread
case
"$ans" in
[yY]) echo >&4 "Okay, continuing."
    usedevel="$define" ;;

```



```

*) echo >&4 "Okay, bye."
  exit 1
  ;;
esac
;;
esac
usedevel="$undef"
;;
esac
case "$usedevel" in
$define|true|[yY]*)
case "$versiononly" in
") versiononly="$define" ;;
esac
case "$installusrbinperl" in
") installusrbinperl="$undef" ;;
esac
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/Devel.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_ctermid.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_ctermid.U,v \$

?RCS: Revision 3.0 1993/08/18 12:05:54 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_ctermid: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_ctermid:

?S: This variable conditionally defines CTERMID if ctermid() is

?S: available to generate filename for terminal.

?S:.

?C:HAS\_CTERMID (CTERMID):

?C: This symbol, if defined, indicates that the ctermid routine is

?C: available to generate filename for terminal.

```
?C:.
?H:#$d_ctermid
HAS_CTERMID /**/
?H:.
?LINT:set d_ctermid
: see if ctermid exists
set ctermid d_ctermid
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_ctermid.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_strncmp.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_strncmp.U,v $
?RCS: Revision 3.0.1.2 1994/05/06 14:54:34 ram
?RCS: patch23: fixed a typo (WED)
?RCS:
?RCS: Revision 3.0.1.1 1993/09/13 16:04:39 ram
?RCS: patch10: created (WAD)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:06:24 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_strncmp: Inlibc
?MAKE: -pick add $@ %<
?S:d_strncmp:
?S: This variable conditionally defines the HAS_STRCASECMP symbol, which
?S: indicates to the C program
that the strcasecmp() routine is available
?S: for case-insensitive string compares.
?S:.
?C:HAS_STRCASECMP:
?C: This symbol, if defined, indicates that the strcasecmp() routine is
?C: available for case-insensitive string compares.
?C:.
?H:#$d_strncmp HAS_STRCASECMP /**/
?H:.
```

```
?LINT:set d_strncmp
: see if strcasecmp exists
set strcasecmp d_strncmp
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_strncmp.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_srand48_r.U,v 0RCS:
```

```
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.
```

```
?RCS:
```

```
?MAKE:d_srand48_r srand48_r_proto: Inlibc Protochk Hasproto i_systypes \
  usethreads i_stdlib extern_C
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_srand48_r:
```

```
?S: This variable conditionally defines the HAS_SRAND48_R symbol,
```

```
?S: which indicates to the C program that the srand48_r()
```

```
?S: routine is available.
```

```
?S:.
```

```
?S:srand48_r_proto:
```

```
?S: This variable encodes the prototype of srand48_r.
```

```
?S: It is zero if d_srand48_r is undef, and one of the
```

```
?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_srand48_r
```

```
?S: is defined.
```

```
?S:.
```

```
?C:HAS_SRAND48_R:
```

```
?C: This symbol, if defined, indicates that the srand48_r routine
```

```
?C: is available to srand48 re-entrantly.
```

```
?C:.
```

```
?C:SRAND48_R_PROTO:
```

```
?C: This
```

```
symbol encodes the prototype of srand48_r.
```

```
?C: It is zero if d_srand48_r is undef, and one of the
```

```
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_srand48_r
```

```
?C: is defined.
```

```
?C:.
```

```
?H:#$d_srand48_r HAS_SRAND48_R /**/
```

```
?H:#define SRAND48_R_PROTO $srand48_r_proto /**/
```

```
?H:.
```

```
?T:try hdrs d_srand48_r_proto
```

```
: see if srand48_r exists
```

```

set srand48_r d_srand48_r
eval $inlibc
case "$d_srand48_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_stdlib stdlib.h"
case "$d_srand48_r_proto:$usethreads" in
":define") d_srand48_r_proto=define
set d_srand48_r_proto srand48_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_srand48_r_proto" in
define)
case "$srand48_r_proto" in
"|0) try='int srand48_r(long, struct drand48_data*);'
./protochk "$extern_C $try" $hdrs && srand48_r_proto=I_LS ;;
esac
case "$srand48_r_proto" in
"|0) d_srand48_r=undef
srand48_r_proto=0
echo "Disabling srand48_r, cannot determine prototype." >&4 ;;
* ) case
"$srand48_r_proto" in
REENTRANT_PROTO*) ;;
*) srand48_r_proto="REENTRANT_PROTO_$srand48_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "srand48_r has no prototype, not using it." >&4 ;;
esac
d_srand48_r=undef
srand48_r_proto=0
;;
esac
;;
*) srand48_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_srand48_r.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: scriptdir.U,v 3.1 1999/07/09 18:20:13 doughera Exp doughera $

```

```

?RCS:

```

?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: scriptdir.U,v \$  
?RCS: Revision 3.1 1999/07/09 18:20:13 doughera  
?RCS: Updated for installprefix  
?RCS:  
?RCS: Revision 3.0.1.3 1995/09/25 09:17:15 ram  
?RCS: patch59: unit is now forced to the top of Configure, if possible  
?RCS:  
?RCS: Revision 3.0.1.2 1995/01/30 14:46:13 ram  
?RCS: patch49: can now handle installation prefix changes (from WED)  
?RCS:  
?RCS: Revision 3.0.1.1 1994/08/29 16:32:04 ram  
?RCS: patch32: now uses installation prefix  
?RCS:  
?RCS:  
Revision 3.0 1993/08/18 12:09:45 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:scriptdir scriptdirexp installscript: cat test Getfile Loc \  
Oldconfig +bin Prefixit Setprefixvar prefixexp Prefixup  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?D:scriptdir="  
?S:scriptdir:  
?S: This variable holds the name of the directory in which the user wants  
?S: to put publicly scripts for the package in question. It is either  
?S: the same directory as for binaries, or a special one that can be  
?S: mounted across different architectures, like /usr/share. Programs  
?S: must be prepared to deal with ~name expansion.  
?S:.  
?D:scriptdirexp="  
?S:scriptdirexp:  
?S: This variable is the same as scriptdir, but is filename expanded  
?S: at configuration time, for programs not wanting to bother with it.  
?S:.  
?S:installscript:  
?S: This variable is usually the same as scriptdirexp, unless you are on  
?S: a system running AFS, in which case they may differ slightly. You  
?S: should always use this variable  
within your makefiles for portability.  
?S:.

?C:SCRIPTDIR:

?C: This symbol holds the name of the directory in which the user wants

?C: to put publicly executable scripts for the package in question. It

?C: is often a directory that is mounted across diverse architectures.

?C: Programs must be prepared to deal with ~name expansion.

?C:.

?C:SCRIPTDIR\_EXP:

?C: This is the same as SCRIPTDIR, but is filename expanded at

?C: configuration time, for use in programs not prepared to do

?C: ~name substitutions at run-time.

?C:.

?H:#define SCRIPTDIR "\$scriptdir" /\*\*/

?H:#define SCRIPTDIR\_EXP "\$scriptdirexp" /\*\*/

?H:.

?T:installscriptdir

?LINT:change prefixvar

?LINT:set scriptdir

?LINT:set scriptdirexp

: determine where public executable scripts go

set scriptdir scriptdir

eval \$prefixit

case "\$scriptdir" in

\*)

dflt="\$bin"

: guess some guesses

\$test -d /usr/share/scripts && dflt=/usr/share/scripts

\$test -d /usr/share/bin && dflt=/usr/share/bin

\$test -d /usr/local/script && dflt=/usr/local/script

\$test

-d /usr/local/scripts && dflt=/usr/local/scripts

\$test -d \$prefixexp/script && dflt=\$prefixexp/script

set dflt

eval \$prefixup

::

\*) dflt="\$scriptdir"

::

esac

\$cat <<EOM

Some installations have a separate directory just for executable scripts so that they can mount it across multiple architectures but keep the scripts in one spot. You might, for example, have a subdirectory of /usr/share for this. Or you might just lump your scripts in with all your other executables.

EOM

fn=d~

rp='Where do you keep publicly executable scripts?'

./getfile

```
if $test "X$ansexp" != "X$scriptdirexp"; then
  installscript="
fi
installscriptdir="
prefixvar=scriptdir
./setprefixvar
: A little fix up for an irregularly named variable.
installscript="$installscriptdir"
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/scriptdir.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: prefshell.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: prefshell.U,v $
?RCS: Revision 3.0.1.2 1994/10/29 16:28:13 ram
?RCS: patch36: added SHELL temporary since metalint now sees ${SHELL}
?RCS:
?RCS: Revision 3.0.1.1 1993/09/13 16:11:47 ram
?RCS: patch10: non-portable var substitution was used (WAD)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:34 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:prefshell: cat package Getfile Oldconfig ksh csh bash
?MAKE: -pick add $@ %<
?S:prefshell:
?S: This
variable contains the eventual value of the PREFSHELL symbol,
?S: which contains the full name of the preferred user shell on this
?S: system. Usual values are /bin/csh, /bin/ksh, /bin/sh.
?S:.
?C:PREFSHELL:
?C: This symbol contains the full name of the preferred user shell on this
?C: system. Usual values are /bin/csh, /bin/ksh, /bin/sh.
?C:.
?H:#define PREFSHELL "$prefshell" /**/
?H:.
```

```

?T:SHELL
: find out which shell people like to use most
case "$prefshell" in
")
case "$ksh $bash $csh" in
*/ksh*) dflt="$ksh" ;;
*/bash*) dflt="$bash" ;;
*/csh*) dflt="$csh" ;;
*) dflt='/bin/sh' ;;
esac
;;
*) dflt="$prefshell";;
esac
?X: Some shells (Ultrix) do not understand ${SHELL:-/bin/sh}, sigh!
$cat <<EOM

```

Give the full path name of the shell most people like to use on your system. This will be used by \$package whenever the user wants to get a shell escape (for instance) and is not necessarily the same as the shell you are currently using (\${SHELL:-/bin/sh}).

```

EOM
fn=f/~
rp='Preferred
shell to be used?'
./getfile
prefshell=$ans

```

```

Found in path(s):
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/prefshell.U
No license file was found, but licenses were detected in source scan.

```

```

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Instruct.U,v $
?RCS: Revision 3.0.1.3 1997/02/28 15:02:55 ram
?RCS: patch61: logname / whoami sequence rewritten to use case
?RCS:
?RCS: Revision 3.0.1.2 1995/02/15 14:11:34 ram

```



?RCS: patch51: author name now appears at the end of the paragraph (WED)

?RCS:

?RCS: Revision 3.0.1.1 1995/01/11 15:12:05 ram

?RCS: patch45: now documents the & escape to turn -d on at the read prompt

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:04 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X:

This unit spew out the directions that we want everyone to read. I try to

?X: keep the first "pagefull" much less than a page since they don't know it

?X: isn't going to go shooting off the top of the screen, and we don't want

?X: to panic them yet.

?X:

?MAKE:Instruct: Begin Myread Configdir contains

?MAKE: -pick wipe \$@ %<

?T:user needman firsttime

: general instructions

needman=true

firsttime=true

user=`(logname) 2>/dev/null`

case "\$user" in

) user=`whoami 2>&1`;;

esac

if \$contains "^\$user\$" ../config/instruct >/dev/null 2>&1; then

firsttime=false

echo " "

rp='Would you like to see the instructions?'

dflt=n

. /myread

case "\$ans" in

[yY]\*) ;;

\*) needman=false;;

esac

fi

if \$needman; then

cat <<EOH

This installation shell script will examine your system and ask you questions to determine how the <PACKAGENAME> package should be installed. If you get stuck on a question, you may use a ! shell escape to start a subshell or execute a command. Many of the questions will have default answers in square brackets; typing carriage return will give you the default.

On some of the questions which ask for file or directory names you are allowed to use the ~name construct to specify the login directory belonging to "name",

even if you don't have a shell which knows about that. Questions where this is allowed will be marked "(~name ok)".

EOH

```
rp="
dflt='Type carriage return to continue'
. ./myread
cat <<'EOH'
```

The prompter used in this script allows you to use shell variables and backticks in your answers. You may use \$1, \$2, etc... to refer to the words in the default answer, as if the default line was a set of arguments given to a script shell. This means you may also use \$\* to repeat the whole default line, so you do not have to re-type everything to add something to the default.

Everytime there is a substitution, you will have to confirm. If there is an error (e.g. an unmatched backtick), the default answer will remain unchanged and you will be prompted again.

If you are in a hurry, you may run 'Configure -d'. This will bypass nearly all the questions and use the computed defaults (or the previous answers if there was already a config.sh file). Type 'Configure -h' for a list of options. You may also start interactively and then answer '& -d' at any prompt to turn on the non-interactive behaviour for the remainder of the execution.

EOH

```
. ./myread
cat <<EOH
```

Much effort has been expended to ensure that this shell script will run on any Unix system. If despite that it blows up on yours, your best bet is to edit Configure and run it again. If you can't run Configure for some reason, you'll have to generate a config.sh file by hand. Whatever problems you have, let me (<MAINTLOC>) know how I blew it.

This installation script affects things in two ways:

- 1) it may do direct variable substitutions on some of the files included in this kit.
- 2) it builds a config.h file for inclusion in C programs. You may edit any of these files as the need arises after running this script.

If you make a mistake on a question, there is no easy way to back up to it currently. The easiest thing to do is to edit config.sh and rerun all the SH files. Configure will offer to let you do this before it runs the SH files.

EOH

?X: In case they played with the prompter...

```
dflt='Type carriage return to continue'  
. /myread  
case "$firsttime" in  
true) echo $user >>../.config/instruct;;  
esac  
fi
```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Instruct.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_mbstowcs.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_mbstowcs.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:29 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_mbstowcs: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_mbstowcs:

?S: This variable conditionally defines the HAS\_MBSTOWCS symbol, which

?S: indicates to the C program that the mbstowcs() routine is available

?S: to convert a multibyte string into a wide character string.

?S:.

?C:HAS\_MBSTOWCS (MBSTOWCS):

?C: This symbol, if defined, indicates

that the mbstowcs routine is

?C: available to convert a multibyte string into a wide character string.

?C:.

?H:#\$d\_mbstowcs HAS\_MBSTOWCS /\*\*/

?H:.

?LINT:set d\_mbstowcs

: see if mbstowcs exists

set mbstowcs d\_mbstowcs

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_mbstowcs.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getpwent.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: \$Log: d\_getpwent.U,v \$

?RCS:

?MAKE:d\_getpwent: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getpwent:

?S: This variable conditionally defines the HAS\_GETPWENT symbol, which

?S: indicates to the C program that the getpwent() routine is available

?S: for sequential access of the passwd database.

?S:.

?C:HAS\_GETPWENT:

?C: This symbol, if defined, indicates that the getpwent routine is

?C: available for sequential access of the passwd database.

?C: If this is not available, the older getpw() function may be available.

?C:.

?H:#\$d\_getpwent HAS\_GETPWENT /\*\*/

?H:.

?LINT:set d\_getpwent

: see if getpwent exists

set getpwent d\_getpwent

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_getpwent.U

No license file was found, but licenses were detected in source scan.

?RCS: Copyright (c) 2017 H.Merijn Brand (original change by Tony Cook)

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_openat d\_unlinkat d\_renameat d\_linkat d\_fchmodat: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fchmodat:

?S: This variable conditionally defines the HAS\_FCHMODAT symbol, which

?S: indicates the POSIX fchmodat() function is available.

?S:.

```

?S:d_linkat:
?S: This variable conditionally defines the HAS_LINKAT symbol, which
?S: indicates the POSIX linkat() function is available.
?S:.
?S:d_openat:
?S: This variable conditionally defines the HAS_OPENAT symbol, which
?S: indicates the POSIX openat() function is available.
?S:.
?S:d_renameat:
?S: This variable conditionally defines the HAS_RENAMEAT symbol, which
?S: indicates the POSIX renameat() function is available.
?S:.
?S:d_unlinkat:
?S: This variable
conditionally defines the HAS_UNLINKAT symbol, which
?S: indicates the POSIX unlinkat() function is available.
?S:.
?C:HAS_FCHMODAT:
?C: This symbol is defined if the fchmodat() routine is available.
?C:.
?C:HAS_LINKAT:
?C: This symbol is defined if the linkat() routine is available.
?C:.
?C:HAS_OPENAT:
?C: This symbol is defined if the openat() routine is available.
?C:.
?C:HAS_RENAMEAT:
?C: This symbol is defined if the renameat() routine is available.
?C:.
?C:HAS_UNLINKAT:
?C: This symbol is defined if the unlinkat() routine is available.
?C:.
?H:#$d_fchmodat HAS_FCHMODAT /**/
?H:#$d_linkat HAS_LINKAT /**/
?H:#$d_openat HAS_OPENAT /**/
?H:#$d_renameat HAS_RENAMEAT /**/
?H:#$d_unlinkat HAS_UNLINKAT /**/
?H:.
?LINT:set d_openat d_unlinkat d_renameat d_linkat d_fchmodat
: check for openat, unlinkat, renameat, linkat, fchmodat
set openat d_openat
eval $inlibc

set unlinkat d_unlinkat
eval $inlibc

set renameat d_renameat
eval $inlibc

```

```
set linkat d_linkat
eval $inlibc
```

```
set fchmodat d_fchmodat
eval
$inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_fsat.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_internet.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_internet.U,v $
?RCS: Revision 3.0.1.1 1993/09/13 16:02:04 ram
?RCS: patch10: most mailers support Internet addresses nowadays (WAD)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:06:24 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_internet: Myread Oldconfig Setvar
?MAKE: -pick add $@ %<
?S:d_internet:
?S: This variable conditionally defines the INTERNET symbol, which
?S: indicates to the C program that there is a mailer available
?S: which
?S: supports internet-style addresses (user@site.domain).
?S:.
?C:INTERNET:
?C: This symbol, if defined, indicates that there is a mailer available
?C: which supports internet-style addresses (user@site.domain).
?C:.
?H:#$d_internet INTERNET /**/
?H:.
?LINT:set d_internet
: check for internet mailer
dflt=y
case "$d_internet" in
```

```
"$undef") dflt=n;;
esac
cat <<EOM
```

Most mailers can deliver mail to addresses of the INTERNET persuasion, such as user@host.edu. Some older mailers, however, require the complete path to the destination to be specified in the address.

```
EOM
rp="Does your mailer understand INTERNET addresses?"
./myread
case "$ans" in
y*) val="$define";;
*) val="$undef";;
esac
set d_internet
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_internet.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999, Jarkko Hietaniemi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_ustat: Inlibc

?MAKE:-pick add \$@ %<

?S:d\_ustat:

?S: This variable conditionally defines HAS\_USTAT if ustat() is

?S: available to query file system statistics by dev\_t.

?S:.

?C:HAS\_USTAT:

?C: This symbol, if defined, indicates that the ustat system call is

?C: available to query file system statistics by dev\_t.

?C:.

?H:#\$d\_ustat HAS\_USTAT /\*\*/

?H:.

?LINT:set d\_ustat

: see if ustat exists

set ustat d\_ustat

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_ustat.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: warnflags.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>

?RCS:

?RCS: \$Log: warnflags.U,v \$

?RCS: Revision 3.0 1993/08/18 12:10:02 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:warnflags: cat cc contains Myread Guess Oldconfig Findhdr

?MAKE: -pick add \$@ %<

?S:warnflags:

?S: This variable contains any additional C compiler flags to generate

?S: warnings from the compiler. It is up to the Makefile to use this.

?S:.

: offer additional

warning flags for compilation

\$cat <<EOH

You may wish to compile with extra compiler warnings enabled.

Note that doing so enhances your chance of receiving your free set of steak knives, particularly if you find any bugs and report them.

If you don't want extra warnings, answer "none".

EOH

case "\$warnflags" in

") case "\$cc" in

\*gcc\*)

dflt="-Wall -Wno-comment"

if \$contains 'fprintf' `./findhdr stdio.h` >/dev/null 2>&1; then

:

else

dflt="\$dflt -Wno-implicit"

fi



```
;;
*) dflt="none";;
esac
;;
') dflt="none";;
*) dflt="$warnflags";;
esac
```

rp="Any \$cc flags to enable warnings?"

```
./myread
case "$ans" in
none) warnflags=' ';;
*) warnflags="$ans";;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/warnflags.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Signal.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:20:01 ram

?RCS: patch61: created

?RCS:

?X:

?X: This unit produces three files:

?X:

?X: 1- A signal.c file, which, when compiled and run, produces an output like:

?X:

?X: HUP 1

?X: INT 2

?X: QUIT 3

?X: etc...

?X:

?X: 2- A signal.awk script to parse the output of signal.c, fill

?X: in gaps (up to NSIG) and move duplicates to the end.

?X:

?X: 3- A signal\_cmd script to compile signal.c and run it

?X: through `sort -n -k 2 | uniq | awk -f signal.awk`.

?X:

(we try also `sort -n +1` since some old hosts don't grok `sort -k`)

?X: (This is called `signal_cmd` to avoid OS/2 confusion with

?X: `signal.cmd` vs. `signal`.)

?X: The `signal_cmd` script also falls back on checking signals one at a

?X: time in case the `signal.c` program fails. On at least one version of

?X: Linux 2.1.x, the header file `#define'd SIGRTMAX` to a symbol that

?X: is not defined by the compiler/linker. :-(. Further, on that same

?X: version of Linux, the user had a defective C-shell that gave an

?X: incorrect list for `kill -l`, so the fall-back didn't work.

?X:

?X: This unit is then used by `sig_name.U`.

?X:

?MAKE:Signal: test tr rm awk cat grep startsh eunicefix sed sort uniq \  
Findhdr cppstdin +cppflags cppminus Compile trnl run

?MAKE: -pick add \$@ %<

?X:all files declared as "public" since they're used from other units

?F:signal.c signal\_cmd signal.lst signal signal.awk

?T: xx xxx xxxfiles

?LINT:use rm run

: Trace out the files included by `signal.h`, then look for `SIGxxx`

names.

?X: Remove `SIGARRAYSIZE` used by HP/UX.

?X: Remove `SIGSTKSZ` used by Linux.

?X: Remove `SIGSTKSZ` used by Posix.

?X: Remove `SIGTYP` void lines used by OS2.

?X: Some cpps, like `os390`, don't give the file name anywhere

if [ "\$X\$fieldn" = X ]; then

: Just make some guesses. We check them later.

xxx='/usr/include/signal.h /usr/include/sys/signal.h'

else

xxx=`echo '#include <signal.h>' |

\$cppstdin \$cppminus \$cppflags 2>/dev/null |

\$grep '^[ ]\*#.\*include' |

\$awk '{print \\\$X\$fieldn}' | \$sed 's!'!g' |\  
\$sed 's!\\\\\\\\\\\\\\\\!g' | \$sort | \$uniq`

fi

?X: Check this list of files to be sure we have parsed the cpp output ok.

?X: This will also avoid potentially non-existent files, such

?X: as `../foo/bar.h`

xxxfiles=""

?X: Add `/dev/null` in case the `$xxx` list is empty.

for xx in \$xxx /dev/null ; do

\$test -f "\$xx" && xxxfiles="\$xxxfiles \$xx"

done

?X: If we have found no files, at least try `signal.h`

case "\$xxxfiles" in

```

") xxxfiles=`./findhdr signal.h` ;;
esac
xxx=`awk '
$1 ~ /^#define$/ &&
$2 ~ /^SIG[A-Z0-9]*$/ && $2 !~ /SIGARRAYSIZE/ && $2 !~ /SIGSTKSIZE/ && $2 !~ /SIGSTKSZ/ && $3 !~
/void/ {
print substr($2, 4, 20)
}
$1 == "#" && $2 ~ /^define$/ && $3 ~ /^SIG[A-Z0-9]*$/ && $3 !~ /SIGARRAYSIZE/ && $4 !~ /void/ {
print substr($3, 4, 20)
}' $xxxfiles`
: Append some common names just in case the awk scan failed.
xxx="$xxx ABRT ALRM BUS CANCEL CHLD CLD CONT DIL EMT FPE"
xxx="$xxx FREEZE HUP ILL INT IO IOT KILL LOST LWP PHONE"
xxx="$xxx PIPE POLL PROF PWR QUIT RTMAX RTMIN SEGV STKFLT STOP"
xxx="$xxx SYS TERM THAW TRAP TSTP TTIN TTOU URG USR1 USR2"
xxx="$xxx USR3 USR4 VTALRM WAITING WINCH WIND WINDOW XCPU XFSZ"

```

: generate a few handy files for later

```

$cat > signal.c <<'EOCP'
#include <sys/types.h>
#include <signal.h>
#include <stdio.h>
int main() {

/* Strange style to avoid deeply-nested #if/#else/#endif */
#ifndef NSIG
# ifdef _NSIG
#  define NSIG (_NSIG)
# endif
#endif

#ifndef NSIG
# ifdef SIGMAX
#  define NSIG (SIGMAX+1)
# endif
#endif

#ifndef NSIG
# ifdef SIG_MAX
#
#  define NSIG (SIG_MAX+1)
# endif
#endif

#ifndef NSIG
# ifdef MAXSIG
#  define NSIG (MAXSIG+1)

```

```

# endif
#endif

#ifndef NSIG
# ifdef MAX_SIG
#  define NSIG (MAX_SIG+1)
# endif
#endif

#ifndef NSIG
# ifdef SIGARRAYSIZE
#  define NSIG (SIGARRAYSIZE+1) /* Not sure of the +1 */
# endif
#endif

#ifndef NSIG
# ifdef _sys_nsig
#  define NSIG (_sys_nsig) /* Solaris 2.5 */
# endif
#endif

/* Default to some arbitrary number that's big enough to get most
   of the common signals.
*/
#ifndef NSIG
#  define NSIG 50
#endif

printf("NSIG %d\n", NSIG);

#ifndef JUST_NSIG

EOCP

echo $xxx | $tr ' ' $trml | $sort | $uniq | $awk '
{
printf "#ifdef SIG"; printf $1; printf "\n"
printf "printf(\""; printf $1; printf " %%d\\n\",SIG";
printf $1; printf ");\n"
printf "#endif\n"
}
END {
printf "#endif /* JUST_NSIG *\n";
printf "exit(0);\n}\n";
}
' >>signal.c
$cat >signal.awk <<'EOP'
BEGIN { ndups = 0 }

```

```

$1 ~ /^NSIG$/ { nsig = $2 }
($1 !~ /^NSIG$/) && (NF == 2) {
    if ($2 >
maxsig) { maxsig = $2 }
    if (sig_name[$2]) {
dup_name[ndups] = $1
dup_num[ndups] = $2
ndups++
    }
    else {
sig_name[$2] = $1
sig_num[$2] = $2
    }
}
END {
    if (nsig == 0) {
        nsig = maxsig + 1
    }
    printf("NSIG %d\n", nsig);
    for (n = 1; n < nsig; n++) {
if (sig_name[n]) {
        printf("%s %d\n", sig_name[n], sig_num[n])
    }
    else {
        printf("NUM%d %d\n", n, n)
    }
    }
    for (n = 0; n < ndups; n++) {
printf("%s %d\n", dup_name[n], dup_num[n])
    }
}
EOP
$cat >signal_cmd <<EOS
$startsh
if $test -s signal.lst; then
    echo "Using your existing signal.lst file"
    exit 0
fi
xxx="$xxx"
EOS
?X: Avoid variable interpolation problems, especially with
?X: xxx, which contains newlines.
$cat >>signal_cmd <<'EOS'

set signal
if eval $compile_ok; then
$run ./signal$_exe | ($sort -n -k 2 2>/dev/null || $sort -n +1) |\
    $uniq | $awk -f signal.awk >signal.lst

```

```

else
echo "(I can't seem be able to compile the whole test program)" >&4
echo "(I'll try it in little
pieces.)" >&4
set signal -DJUST_NSIG
if eval $compile_ok; then
$run ./signal$_exe > signal.nsg
$cat signal.nsg
else
echo "I can't seem to figure out how many signals you have." >&4
echo "Guessing 50." >&4
echo 'NSIG 50' > signal.nsg
fi
: Now look at all the signal names, one at a time.
for xx in `echo $xxx | $tr ' ' $trnl | $sort | $uniq`; do
$cat > signal.c <<EOCP
#include <sys/types.h>
#include <signal.h>
#include <stdio.h>
int main() {
printf("$xx %d\n", SIG${xx});
return 0;
}
EOCP
set signal
if eval $compile; then
echo "SIG${xx} found."
$run ./signal$_exe >> signal.ls1
else
echo "SIG${xx} NOT found."
fi
done
if $test -s signal.ls1; then
$cat signal.nsg signal.ls1 |
$sort -n | $uniq | $awk -f signal.awk >signal.lst
fi

fi
if $test -s signal.lst; then
:
else
echo "(AAK! I can't compile the test programs -- Guessing)" >&4
echo 'kill -l' >signal
set X `csh -f <signal`
$rm -f signal
shift
case $# in
0) set HUP INT QUIT ILL TRAP ABRT

```

```

EMT FPE KILL BUS SEGV SYS PIPE ALRM TERM;;
esac
echo $@ | $tr ' ' $trnl | \
    $awk '{ printf "%s %d\n", $1, ++s; }
END { printf "NSIG %d\n", ++s }' >signal.lst
fi
$rm -f signal.c signal$_exe signal$_o signal.nsg signal.ls1
EOS
chmod a+x signal_cmd
$unicefix signal_cmd

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Signal.U

```

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_getmnt: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getmnt:

?S: This variable conditionally defines the HAS\_GETMNT symbol, which

?S: indicates to the C program that the getmnt() routine is available

?S: to retrieve one or more mount info blocks by filename.

?S:.

?C:HAS\_GETMNT:

?C: This symbol, if defined, indicates that the getmnt routine is

?C: available to get filesystem mount info by filename.

?C:.

?H:#\$d\_getmnt HAS\_GETMNT /\*\*/

?H:.

?LINT:set d\_getmnt

: see if getmnt exists

set getmnt d\_getmnt

eval \$inlibc

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_getmnt.U

```

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?RCS: \$Id: d\_gethbynm.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_gethbynm.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:08 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_gethbyname: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_gethbyname (d\_gethbynm d\_gethstby):  
?S: This variable conditionally defines the HAS\_GETHOSTBYNAME symbol, which  
?S: indicates to the C program that the gethostbyname() routine is available  
?S: to look up host names in some data base or other.  
?S:.  
?C:HAS\_GETHOSTBYNAME (GETHOSTBYNAME):  
?C: This  
symbol, if defined, indicates that the gethostbyname() routine is  
?C: available to look up host names in some data base or other.  
?C:.  
?H:#\$d\_gethbyname HAS\_GETHOSTBYNAME /\*\*/  
?H:.  
?LINT:set d\_gethbyname  
: see if gethostbyname exists  
set gethostbyname d\_gethbyname  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_gethbynm.U

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?RCS: \$Id: d\_getpgrp2.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_getpgrp2.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:15 ram



?RCS: Baseline for dist 3.0 netwide release.  
 ?RCS:  
 ?MAKE:d\_getpgrp2: Inlibc  
 ?MAKE: -pick add \$@ %<  
 ?S:d\_getpgrp2:  
 ?S: This variable conditionally defines the HAS\_GETPGRP2 symbol, which  
 ?S: indicates to the C program that the getpgrp2() (as in DG/UX) routine  
 ?S: is available to get the current process group.  
 ?S:.  
 ?C:HAS\_GETPGRP2 (GETPGRP2):  
 ?C: This symbol, if defined, indicates that the  
 getpgrp2() (as in DG/UX)  
 ?C: routine is available to get the current process group.  
 ?C:.  
 ?H:#\$d\_getpgrp2 HAS\_GETPGRP2 /\*\*/  
 ?H:.  
 ?LINT:set d\_getpgrp2  
 : see if getpgrp2 exists  
 set getpgrp2 d\_getpgrp2  
 eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_getpgrp2.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getlogin\_r.U,v 0RCS:  
 ?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi  
 ?RCS:  
 ?RCS: You may distribute under the terms of either the GNU General Public  
 ?RCS: License or the Artistic License, as specified in the README file.  
 ?RCS:  
 ?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.  
 ?RCS:  
 ?MAKE:d\_getlogin\_r getlogin\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads i\_unistd extern\_C  
 ?MAKE: -pick add \$@ %<  
 ?S:d\_getlogin\_r:  
 ?S: This variable conditionally defines the HAS\_GETLOGIN\_R symbol,  
 ?S: which indicates to the C program that the getlogin\_r()  
 ?S: routine is available.  
 ?S:.  
 ?S:getlogin\_r\_proto:  
 ?S: This variable encodes the prototype of getlogin\_r.  
 ?S: It is zero if d\_getlogin\_r is undef, and one of the  
 ?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getlogin\_r  
 ?S: is defined.  
 ?S:.

?C:HAS\_GETLOGIN\_R:

?C: This symbol, if defined, indicates that the getlogin\_r routine

?C: is available

to getlogin re-entrantly.

?C:.

?C:GETLOGIN\_R\_PROTO:

?C: This symbol encodes the prototype of getlogin\_r.

?C: It is zero if d\_getlogin\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getlogin\_r

?C: is defined.

?C:.

?H:#\$d\_getlogin\_r HAS\_GETLOGIN\_R /\*\*/

?H:#define GETLOGIN\_R\_PROTO \$getlogin\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_getlogin\_r\_proto

: see if getlogin\_r exists

set getlogin\_r d\_getlogin\_r

eval \$inlibc

case "\$d\_getlogin\_r" in

"\$define")

hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_unistd unistd.h"

case "\$d\_getlogin\_r\_proto:\$usethreads" in

":define") d\_getlogin\_r\_proto=define

set d\_getlogin\_r\_proto getlogin\_r \$hdrs

eval \$hasproto ;;

\*) ;;

esac

case "\$d\_getlogin\_r\_proto" in

define)

case "\$getlogin\_r\_proto" in

"|0) try='int getlogin\_r(char\*, size\_t);'

./protechk "\$extern\_C \$try" \$hdrs && getlogin\_r\_proto=I\_BW ;;

esac

case "\$getlogin\_r\_proto" in

"|0) try='int getlogin\_r(char\*, int);'

./protechk "\$extern\_C \$try" \$hdrs && getlogin\_r\_proto=I\_BI

;;

esac

case "\$getlogin\_r\_proto" in

"|0) try='char\* getlogin\_r(char\*, size\_t);'

./protechk "\$extern\_C \$try" \$hdrs && getlogin\_r\_proto=B\_BW ;;

esac

case "\$getlogin\_r\_proto" in

"|0) try='char\* getlogin\_r(char\*, int);'

./protechk "\$extern\_C \$try" \$hdrs && getlogin\_r\_proto=B\_BI ;;

esac

case "\$getlogin\_r\_proto" in

"|0) d\_getlogin\_r=undef

```

getlogin_r_proto=0
echo "Disabling getlogin_r, cannot determine prototype." >&4 ;;
*) case "$getlogin_r_proto" in
REENTRANT_PROTO*) ;;
*) getlogin_r_proto="REENTRANT_PROTO_$getlogin_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usetthreads" in
define) echo "getlogin_r has no prototype, not using it." >&4 ;;
esac
d_getlogin_r=undef
getlogin_r_proto=0
;;
esac
;;
*) getlogin_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_getlogin_r.U

```

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```

?RCS: $Id: d_gethid.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
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?RCS:
?RCS: $Log: d_gethid.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:10 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_gethid: Inlibc
?MAKE: -pick add $@ %<
?S:d_gethid:
?S: This variable conditionally defines HAS_GETHOSTID if gethostid() is
?S: available to get the host id.
?S:.
?C:HAS_GETHOSTID (GETHOSTID):
?C: This symbol, if defined, indicates that the gethostid system call is

```

```
?C: available to get the host id.  
?C:.  
?H:#$d_gethid HAS_GETHOSTID /**/  
?H:.  
?LINT:set  
d_gethid  
: see if gethid exists  
set gethostid d_gethid  
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_gethid.U
```

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```
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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: $Log: Csym.U,v $  
?RCS: Revision 3.0.1.4 1995/07/25 13:36:29 ram  
?RCS: patch56: re-arranged compile line to include ldflags before objects  
?RCS: patch56: added quotes for OS/2 support  
?RCS:  
?RCS: Revision 3.0.1.3 1995/05/12 12:00:33 ram  
?RCS: patch54: fixed C test program to bypass gcc builtin type checks (ADO)  
?RCS:  
?RCS: Revision 3.0.1.2 1994/10/31 09:34:13 ram  
?RCS: patch44: added Options to the MAKE line since it's no longer in Init.U  
?RCS:  
?RCS: Revision 3.0.1.1 1993/08/25 14:00:05 ram  
?RCS:  
patch6: added ldflags as a conditional dependency and to compile line  
?RCS: patch6: a final double quote was missing in csym variable after eval  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:04:50 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:Csym: Options contains libc libs runnm +cc +ccflags +ldflags rm  
?MAKE: -pick add $@ %<  
?LINT:define csym  
?LINT:use libc
```

?S:csym:

?S: This shell variable is used internally by Configure to check

?S: whether a given C symbol is defined or not. A typical use is:

?S: set symbol result [-fva] [previous]

?S: eval \$csym

?S: That will set result to 'true' if the function [-f], variable [-v]

?S: or array [-a] is defined, 'false' otherwise. If a previous value is

?S: given and the -r flag was provided on the command line, that value

?S: is reused without questioning.

?S:.

?V:csym

?T:tval tx tlook tf tdc tc

: is a C symbol defined?

```
csym='tlook=$1;
```

```
case "$3" in
```

```
-v) tf=libc.tmp; tc=""; tdc="";;
```

```
-a) tf=libc.tmp; tc="[0]"; tdc="[]";;
```

```
*) tlook="^\$1\$";
```

```
tf=libc.list; tc=""; tdc="()";;
```

```
esac;
```

```
tx=yes;
```

```
case "$reuseval-$4" in
```

```
true-) ;;
```

```
true-*) tx=no; eval "tval=\$4"; case "$tval" in "") tx=yes;; esac;;
```

```
esac;
```

```
case "$tx" in
```

```
yes)
```

```
case "$runnm" in
```

```
true)
```

```
if $contains $tlook $tf >/dev/null 2>&1;
```

```
then tval=true;
```

```
else tval=false;
```

```
fi;;
```

```
*)
```

?X:

?X: We use 'char' instead of 'int' to try to circumvent overzealous

?X: optimizing compilers using built-in prototypes for commonly used

?X: routines to complain when seeing a different external declaration. For

?X: instance, gcc 2.6.3 fails if we use 'int' and we attempt a test against

?X: memcpy() on machines where sizeof(int) == sizeof(char \*) (the usual return

?X: type), the compiler assuming it's a built-in declaration given that the

?X: returned size matches. At least with 'char' we are safe! -- RAM, for ADO

?X:

?X: Let's thank GNU cc for making our lives so easy! :-)

?X: (An alternative for the future would be to use our knowledge about gcc

?X: to force a -fno-builtin option in the

compile test, in case the 'char'

?X: trick is obsoleted by future gcc releases). -- RAM

?X:

?X: Lastly, gcc 3.4 optimizes &missing == 0 away, so we use + 2 instead now.

?X: The GNU folks like to do weird things, don't they? -- RAM, 2004-06-05

?X:

```
echo "extern char $1$tdc; int main() { return &$1$tc + 2; }" > t.c;
if $cc $ccflags $ldflags -o t t.c $libs >/dev/null 2>&1;
then tval=true;
else tval=false;
fi;
$rm -f t t.c;;
esac;;
*)
case "$tval" in
$define) tval=true;;
*) tval=false;;
esac;;
esac;
eval "$2=$tval"
```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Csym.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Null.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Null.U,v \$

?RCS: Revision 3.0 1993/08/18 12:05:10 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit ends up producing shell code to set all variables to ". This

?X: probably isn't necessary, but I'm paranoid. About certain things.

?X:

?MAKE:Null: Head

?MAKE: -pick add.Null \$@ %<

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Null.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_getnbyad.U,v $
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_getnbyaddr: Inlibc
?MAKE: -pick add $@ %<
?S:d_getnbyaddr:
?S: This variable conditionally defines the HAS_GETNETBYADDR symbol, which
?S: indicates to the C program that the getnetbyaddr() routine is available
?S: to look up networks by their IP addresses.
?S:.
?C:HAS_GETNETBYADDR:
?C: This symbol, if defined, indicates that the getnetbyaddr() routine is
?C: available to look up networks by their IP addresses.
?C:.
?H:#$d_getnbyaddr HAS_GETNETBYADDR /**/
?H:.
?LINT:set d_getnbyaddr
: see if getnetbyaddr exists
set getnetbyaddr d_getnbyaddr
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_getnbyad.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: Ins.U,v $
?RCS: Revision 3.0.1.1 1994/06/20 07:05:52 ram
?RCS: patch30: created by ADO
?RCS:
```

```

?MAKE:issymlink: lns test rm
?MAKE: -pick add $@ %<
?S:issymlink:
?S: This variable holds the test command to test for a symbolic link
?S: (if they are supported). Typical values include 'test -h' and
?S: 'test -L'.
?S:.
?T:pth p
?LINT:change PATH test
?LINT:extern newsh
: determine whether symbolic links are supported
echo
" "
case "$lns" in
*"ln"* -s")
echo "Checking how to test for symbolic links..." >&4
$lns blurfl sym
if $test "X$issymlink" = X; then
?X:
?X: In some AIX 4 versions the (ksh) builtin test (-h) is broken.
?X:
case "$newsh" in
") sh -c "PATH= test -h sym" >/dev/null 2>&1 ;;
*) $newsh -c "PATH= test -h sym" >/dev/null 2>&1 ;;
esac
if test $? = 0; then
issymlink="test -h"
else
echo "Your builtin 'test -h' may be broken." >&4
case "$test" in
/*) ;;
*) pth=`echo $PATH | sed -e "s/$p_/ /g"`
for p in $pth
do
if test -f "$p/$test"; then
test="$p/$test"
break
fi
done
;;
esac
case "$test" in
/*)
echo "Trying external '$test -h'." >&4
issymlink="$test -h"
if $test ! -h sym >/dev/null 2>&1; then
echo "External '$test -h' is broken, too." >&4
issymlink="

```



```

fi
;;
*) issymblink=" ;;
esac
fi
fi
if $test "X$issymblink" = X; then
if $test -L sym 2>/dev/null; then
issymblink="$test
-L"
echo "The builtin '$test -L' worked." >&4
fi
fi
if $test "X$issymblink" != X; then
echo "You can test for symbolic links with '$issymblink'." >&4
else
echo "I do not know how you can test for symbolic links." >&4
fi
$rm -f blurfl sym
;;
*) echo "No symbolic links, so not testing for their testing..." >&4
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/issymblink.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: Cppsym.U,v 3.0.1.5 1995/05/12 11:59:11 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Cppsym.U,v $
?RCS: Revision 3.0.1.5 1995/05/12 11:59:11 ram
?RCS: patch54: split awk command onto two lines for older awk's (ADO)
?RCS:
?RCS: Revision 3.0.1.4 1995/01/11 14:55:57 ram
?RCS: patch45: new cc vs. cpp symbol checking suggested by JHI
?RCS: patch45: added more cpp symbols (JHI)
?RCS:
?RCS: Revision 3.0.1.3 1994/10/29 15:51:32 ram

```

?RCS: patch36: added ?F: line for metalint file checking

?RCS: patch36: new symbols ardent and titan (ADO)

?RCS:

?RCS:

Revision 3.0.1.2 1994/06/20 06:53:32 ram

?RCS: patch30: extended cpp symbol lookup list (JHI)

?RCS: patch30: renamed attrlist symbol into al for brevity

?RCS:

?RCS: Revision 3.0.1.1 1993/12/15 08:14:14 ram

?RCS: patch15: added new cpp symbols \_\_bsdi\_\_ and BSD\_NET2

?RCS:

?RCS: Revision 3.0 1993/08/18 12:04:50 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X: This unit produces a shell script called Cppsym, which can be used to

?X: determine whether any in a list of symbols is defined by the C compilation

?X: chain (C preprocessor symbols plus C compiler native ones).

?X: It can determine the status of any symbol, though the symbols in \$al

?X: are more easily determined. If you want to add to \$al you can do

?X: it in Myinit.U.

?MAKE:Cppsym ccsymbols cppsymbols cppccsymbols: run \  
 eunicefix Guess awk cat tr sed sort rm rm\_try startsh osname \  
 +cc +gccversion test comm uniq echo Options trnl \  
 optimize cflags ldflags libs cpp\_stuff cpp

?MAKE: -pick add \$@ %<

?T:also

symbols i postprocess\_cc\_v tHdrH

?X:

?X: The symbol list is in alpha order for ease of maintenance...

?X:

?X: Lots of new symbols (mostly rummaged from gcc), courtesy of

?X: Jarkko Hietaniemi <jhi@snakemail.hut.fi> -- RAM, 06/06/94

?X:

?S:ccsymbols:

?S: The variable contains the symbols defined by the C compiler alone.

?S: The symbols defined by cpp or by cc when it calls cpp are not in

?S: this list, see cppsymbols and cppccsymbols.

?S: The list is a space-separated list of symbol=value tokens.

?S:.

?S:cppsymbols:

?S: The variable contains the symbols defined by the C preprocessor

?S: alone. The symbols defined by cc or by cc when it calls cpp are

?S: not in this list, see ccymbols and cppccsymbols.

?S: The list is a space-separated list of symbol=value tokens.

?S:.

?S:cppccsymbols:

?S: The variable contains the symbols defined by the C compiler

?S: when it calls cpp. The symbols defined by the cc alone or cpp

?S: alone are not in this list, see ccsymbols and cppsymbols.

?S: The  
list is a space-separated list of symbol=value tokens.

?S:.

?F:./Cppsym

?F:./Cppsym.know

?F:!Cppsym.true

?F!:ccsym.com

?F!:ccsym.cpp

?F!:ccsym.own

?X: fake LINT hints

?LINT:change ccflags

?LINT:extern s

?LINT:extern s\_\_

: Preprocessor symbols

echo " "

\$echo "Guessing which symbols your C compiler and preprocessor define..." >&4

?X: If your symbol is mixed case, just add it as-is.

?X: All symbols will be transformed to both all-lower and all-upper.

?X: Also drop any leading/trailing underscores, the scan will try all those.

\$cat <<'EOSH' > Cppsym.know

a29k aarch64 ABI64 aegis AES\_SOURCE AIX AIX32 AIX370 AIX41 AIX42  
AIX43 aixpc AIX\_SOURCE alliant ALL\_SOURCE alpha AM29000 am29000  
AMD64 amd64 amiga AMIGAOS AMIX ansi ANSI\_C\_SOURCE apollo arch\_ppc  
arch\_pwr ardent ARM ARM32 atarist att386 att3b  
BeOS BIG\_ENDIAN BIT\_MSFS BSD bsd bsd43 bsd4\_2 BSD4\_3 bsd4\_3 bsd4\_4  
BSDCOMPAT bsdi BSD\_4\_3 BSD\_4\_4 BSD\_NET2 BSD\_TIME BSD\_TYPES bull  
byteorder byte\_order  
c cadmus clang clipper CMU COFF COMPILER\_VERSION  
concurrent  
convex cpu CRAY cray CRAYMPP ctix CX\_UX CYGWIN  
DECC DGUX DGUX\_SOURCE DJGPP dmert DOLPHIN DPX2 DSO Dynix DynixPTX  
ELF encore EPI EXTENSIONS  
FAVOR\_BSD FILE\_OFFSET\_BITS FORTIFY\_SOURCE FreeBSD  
GCC\_NEW\_VARARGS gcos gcx gimpel GLIBC GLIBC\_MINOR GNUC GNUC\_MINOR  
GNU\_LIBRARY GNU\_SOURCE GO32 gould GOULD\_PN  
H3050R H3050RX hbullx20 hcx host\_mips hp200 hp300 HP700 hp700  
hp800 hp9000 hp9000s200 hp9000s300 hp9000s400  
hp9000s700 hp9000s800 hp9k8 hppa hpux HPUX\_SOURCE hp\_osf  
i186 i286 i386 i486 i586 i686 i8086 i80960 i860 I960 IA32 IA64  
iAPX286 ibm ibm032 ibmesa IBMR2 ibmrt ILP32 ILP64  
INLINE\_INTRINSICS INT64 INTEL interdata INTRINSICS is68k titanium  
ksr1  
LANGUAGE\_C LARGEFILE64\_SOURCE LARGEFILE\_SOURCE LARGE\_FILE\_API  
LFS64\_LARGEFILE LFS\_LARGEFILE LIBCATAMOUNT Linux LITTLE\_ENDIAN  
LONG64 LONGDOUBLE LONGLONG LONG\_DOUBLE LONG\_LONG LP64 luna  
luna88k Lynx  
M68000 m68k m88100 m88k M88KBCS\_TARGET MACH machine MachTen

MATH\_HAS\_NO\_SIDE\_EFFECTS mc300 mc500 mc68000 mc68010 mc68020  
mc68030 mc68040 mc68060  
mc68k mc68k32 mc700 mc88000 mc88100  
merlin mert MiNT mips MIPSEB MIPSEL MIPS\_FPSET MIPS\_ISA MIPS\_SIM  
MIPS\_SZINT MIPS\_SZLONG MIPS\_SZPTR MODERN\_C motorola mpeix MSDOS  
MTXINU MULTIMAX MVS mvs M\_AMD64 M\_ARM M\_ARMT M\_COFF M\_I186 M\_I286  
M\_I386 M\_I8086 M\_I86 M\_I86SM M\_IA64 M\_IX86 M\_PPC M\_SYS3 M\_SYS5  
M\_SYSIII M\_SYSV M\_UNIX M\_X86 M\_XENIX  
n16 ncl\_el ncl\_mr NetBSD news1500 news1700 news1800 news1900  
news3700 news700 news800 news900 NeXT NLS nonstopux ns16000  
ns32000 ns32016 ns32332 ns32k nsc32000  
OCS88 OEMVS OpenBSD os OS2 OS390 osf OSF1 OSF\_SOURCE  
PARAGON parisc pa\_risc PA\_RISC1\_1 PA\_RISC2\_0 pc532 pdp11 PGC PIC  
plexus PORTAR posix POSIX1B\_SOURCE POSIX2\_SOURCE POSIX4\_SOURCE  
POSIX\_C\_SOURCE POSIX\_SOURCE POWER powerpc ppc PROTOTYPES PWB pyr  
QK\_USER QNX  
R3000 REENTRANT RES Rhapsody RISC6000 riscix riscos RT  
S390 S390x SA110 SCO scs sequent sgi SGI\_SOURCE SH SH3 sinix  
SIZE\_INT SIZE\_LONG SIZE\_PTR SOCKETS\_SOURCE SOCKET\_SOURCE sony  
sonyrisc sony\_news sparc sparclite sparcv8 sparcv9 spectrum  
stardent  
stdc STDC\_EXT stratos sun sun3 sun386 Sun386i svr3 svr4  
SVR4\_2 SVR4\_SOURCE svr5 SX system SYSTYPE\_BSD SYSTYPE\_BSD43  
SYSTYPE\_BSD44 SYSTYPE\_SVR4 SYSTYPE\_SVR5 SYSTYPE\_SYSV SYSV SYSV3  
SYSV4 SYSV5 sysV68 sysV88  
Tek4132 Tek4300 thumb thw\_370 thw\_intel thw\_rs6000 titan TM3200  
TM5400 TM5600 tower tower32 tower32\_200 tower32\_600 tower32\_700  
tower32\_800 tower32\_850 tss  
u370 u3b u3b2 u3b20 u3b200 u3b20d u3b5 ultrix UMAXV UnicomPBB  
UnicomPBD UNICOS UNICOSMK unix UNIX95 UNIX99 unixpc unos USE\_BSD  
USE\_FILE\_OFFSET64 USE\_GNU USE\_ISOC9X USE\_LARGEFILE  
USE\_LARGEFILE64 USE\_MISC USE\_POSIX USE\_POSIX199309  
USE\_POSIX199506 USE\_POSIX2 USE\_REENTRANT USE\_SVID USE\_UNIX98  
USE\_XOPEN USE\_XOPEN\_EXTENDED USGr4 USGr4\_2 UTek Utek UTS UWIN  
uxpm uxps  
vax venix VMESA vms  
x86\_64 xenix Xenix286 XOPEN\_SOURCE XOPEN\_SOURCE\_EXTENDED XPG2  
XPG2\_EXTENDED XPG3 XPG3\_EXTENDED XPG4 XPG4\_EXTENDED  
z8000 zarch  
EOSH  
# Maybe put other stuff here too.  
?X:Some OS's will have a dash in their \$osname  
?X:e.g. Android is known as linux-android  
?X:The  
preprocessor will interpret the dash as a minus  
./tr '-' '<<EOSH >>Cppsym.know  
\$osname  
EOSH

```

./tr '[a-z]' '[A-Z]' < Cppsym.know > Cppsym.a
./tr '[A-Z]' '[a-z]' < Cppsym.know > Cppsym.b
$cat Cppsym.know > Cppsym.c
$cat Cppsym.a Cppsym.b Cppsym.c | $tr ' ' $trnl | $sort | $uniq > Cppsym.know
$rm -f Cppsym.a Cppsym.b Cppsym.c
cat <<EOSH > Cppsym
$startsh
if $test $# -gt 0; then
    echo \$* | $tr " " "$trnl" | ./Cppsym.try > Cppsym.got
    if $test -s Cppsym.got; then
        $rm -f Cppsym.got
    exit 0
    fi
    $rm -f Cppsym.got
    exit 1
else
    $tr " " "$trnl" | ./Cppsym.try
    exit 0
fi
EOSH
chmod +x Cppsym
$eunicefix Cppsym
?X: The below awk script will die a horrible death if
?X: some of the tested symbols are not long ints.
?X: Also, we do not make difference between just defined and defined zero.
cat <<EOSH > Cppsym.try
$startsh
cat <<'EOCP' > try.c
#include <stdio.h>
#if cpp_stuff == 1
#define STRINGIFY(a) "a"
#endif
#if cpp_stuff == 42
#define StGiFy(a) #a
#define STRINGIFY(a)
    StGiFy(a)
#endif
#if $cpp_stuff != 1 && $cpp_stuff != 42
# include "Bleth: How does this C preprocessor stringify macros?"
#endif
int main() {
EOCP
?X: The length($1) command guards against possible empty entries.
?X: The awk snippet is know to give heartburn to UNICOS/mk awk.
$awk \\
EOSH
cat <<'EOSH' >> Cppsym.try
'length($1) > 0 {

```

```

printf "#ifdef %s\nprintf(\"%s=%s\n\", STRINGIFY(%s));\n#endif\n", $1, $1, $1
printf "#ifdef _%s\nprintf(\"_%s=%s\n\", STRINGIFY(_%s));\n#endif\n", $1, $1, $1
printf "#ifdef __%s\nprintf(\"__%s=%s\n\", STRINGIFY(__%s));\n#endif\n", $1, $1, $1
printf "#ifdef __%s_\nprintf(\"__%s__=%s\n\", STRINGIFY(__%s__));\n#endif\n", $1, $1, $1
}' >> try.c
echo 'return 0;}' >> try.c
EOSH
cat <<EOSH >> Cppsym.try
ccflags="$ccflags"
case "$osname-$gccversion" in
irix-) ccflags="\$ccflags -woff 1178" ;;
os2-*) ccflags="\$ccflags -Zlinker /PM:VIO" ;;
esac
$cc -o try -Dcpp_stuff=$cpp_stuff $optimize \$ccflags $ldflags try.c $libs 2>/dev/null
&& $run ./try | $sed 's/ /\\\\ /g'
EOSH
chmod +x Cppsym.try
$eunicefix Cppsym.try
./Cppsym < Cppsym.know | $sort | $uniq > Cppsym.true
: Add in any Linux cpp "predefined macros":
case "$osname::$gccversion" in
*linux*:*:*|*gnukfreebsd*:*:*|*gnu*:*:*)
tHdrH=_tmpHdr
rm -f $tHdrH.h' $tHdrH
touch $tHdrH.h'
# Filter out macro arguments, such as Linux's __INT8_C(c)
if $cpp -dM $tHdrH.h' > $tHdrH'_cppsym.h' && [ -s $tHdrH'_cppsym.h' ]; then
sed -e 's/#define[\\ ]*//;s/[\\ ]*$/' -e 's/(.*// <$tHdrH'_cppsym.h' >$tHdrH'_cppsym.real'
if [ -s $tHdrH'_cppsym.real' ]; then
cat $tHdrH'_cppsym.real' Cppsym.know | sort | uniq | ./Cppsym | sort | uniq > Cppsym.true
fi
fi
rm -f $tHdrH.h' $tHdrH'_cppsym.h' $tHdrH'_cppsym.real'
;;
esac
: now check the C compiler for additional symbols
?X: suggested by Jarkko Hietaniemi <jhi@snakemail.hut.fi>, thanks!
postprocess_cc_v="
case "$osname" in
aix) postprocess_cc_v="|str , ' "' ;;
esac
$cat
>ccsym <<EOS
$startsh
$cat >tmp.c <<EOF
extern int foo;
EOF
for i in ` $cc -v -c tmp.c 2>&1 $postprocess_cc_v`

```

```

do
case "\$i" in
-D*) echo "\$i" | $sed 's/^-D//';;
-A*) $test "$gccversion" && echo "\$i" | $sed 's/^-A//' | $sed 's/(.*)/(.*)\^1=\2/';;
esac
done
$rm_try
EOS
postprocess_cc_v="
chmod +x ccsym
$unicefix ccsym
./ccsym > ccsym1.raw
?X: AIX complains if $uniq is passed an empty file. ($sort apparently
?X: doesn't care.) --AD 14 July 1998
if $test -s ccsym1.raw; then
    $sort ccsym1.raw | $uniq >ccsym.raw
else
    mv ccsym1.raw ccsym.raw
fi

?X: canonicalize symbols for easier sort/uniq/comm usage: append =1 if no = sign
?X: the awk script must be on two lines for older awk programs, sigh! -- ADO
$awk '/^=/ { print $0; next }
{ print $0="1" }' ccsym.raw >ccsym.list
$comm -13 Cppsym.true ccsym.list >ccsym.own
$comm -12 Cppsym.true ccsym.list >ccsym.com
$comm -23 Cppsym.true ccsym.list >ccsym.cpp
also="
if $test -z ccsym.raw; then
echo "Your C compiler doesn't
seem to define any symbols!" >&4
echo " "
echo "However, your C preprocessor defines the following symbols:"
$cat Cppsym.true
ccsymbols="
cppsymbols=`$cat Cppsym.true`
cppsymbols=`echo $cppsymbols`
cppccsymbols="$cppsymbols"
else
if $test -s ccsym.com; then
echo "Your C compiler and pre-processor define these symbols:"
$sed -e 's/(.*)=.*\^1/' ccsym.com
also='also '
symbols='ones'
cppccsymbols=`$cat ccsym.com`
cppccsymbols=`echo $cppccsymbols`
$test "$$silent" || sleep 1
fi

```

```

if $test -s ccsym.cpp; then
  $test "$also" && echo " "
  echo "Your C pre-processor ${also} defines the following symbols:"
  $sed -e 's/(.*)=.*\1/' ccsym.cpp
  also='further '
  cppsymbols=`$cat ccsym.cpp`
  cppsymbols=`echo $cppsymbols`
  $test "$silent" || sleep 1
fi
if $test -s ccsym.own; then
  $test "$also" && echo " "
  echo "Your C compiler ${also} defines the following cpp symbols:"
  $sed -e 's/(.*)=1\1/' ccsym.own
  $sed -e 's/(.*)=.*\1/' ccsym.own | $uniq >>Cppsym.true
  ccsymbols=`$cat
ccsym.own`
  ccsymbols=`echo $ccsymbols`
  $test "$silent" || sleep 1
fi
fi

```

```

: add -D_FORTIFY_SOURCE if feasible and not already there
case "$gccversion" in
[456789].*) case "$optimize$ccflags" in
*-O*) case "$ccflags$cppsymbols" in
*_FORTIFY_SOURCE=*) # Don't add it again.
  echo "You seem to have -D_FORTIFY_SOURCE already, not adding it." >&4
  ;;
*) echo "Adding -D_FORTIFY_SOURCE=2 to ccflags..." >&4
  ccflags="$ccflags -D_FORTIFY_SOURCE=2"
  ;;
esac
;;
*) echo "You have gcc 4.* or later but not optimizing, not adding -D_FORTIFY_SOURCE." >&4
  ;;
esac
;;
*) echo "You seem not to have gcc 4.* or later, not adding -D_FORTIFY_SOURCE." >&4
  ;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/modified/Cppsym.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_socket.U,v 3.0.1.2 1997/02/28 15:46:00 ram Exp \$

?RCS:



?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: d\_socket.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 15:46:00 ram

?RCS: patch61: replaced .a with \$\_a all over the place

?RCS:

?RCS: Revision 3.0.1.1 1994/01/24 14:08:04 ram

?RCS: patch16: can now safely declare private nm\_extract in dependencies

?RCS:

?RCS: Revision 3.0 1993/08/18 12:07:26 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_socket d\_oldsock d\_sockpair socketlib sockethdr \  
d\_msg\_ctrunc d\_msg\_dontroute d\_msg\_oob d\_msg\_peek  
d\_msg\_proxy \  
d\_scm\_rights d\_sockaddr\_sa\_len d\_sockaddr\_in6 d\_sin6\_scope\_id \  
d\_ip\_mreq d\_ip\_mreq\_source d\_ipv6\_mreq d\_ipv6\_mreq\_source: \  
contains echo n c ar nm nm\_opt nm\_extract Inlibc Csym \_a \  
Compile cat rm\_try Setvar Hasfield sysroot

?MAKE: -pick add \$@ %<

?S:d\_socket:

?S: This variable conditionally defines HAS\_SOCKET, which indicates  
?S: that the BSD socket interface is supported.

?S:.

?S:d\_sockpair:

?S: This variable conditionally defines the HAS\_SOCKETPAIR symbol, which  
?S: indicates that the BSD socketpair() is supported.

?S:.

?S:d\_oldsock:

?S: This variable conditionally defines the OLDSOCKET symbol, which  
?S: indicates that the BSD socket interface is based on 4.1c and not 4.2.

?S:.

?S:d\_msg\_ctrunc:

?S: This variable conditionally defines the HAS\_MSG\_CTRUNC symbol,  
?S: which indicates that the MSG\_CTRUNC is available. #ifdef is  
?S: not enough because it may be an enum, glibc has been known to do this.

?S:.

?S:d\_msg\_dontroute:

?S: This variable conditionally defines  
the HAS\_MSG\_DONTRROUTE symbol,  
?S: which indicates that the MSG\_DONTRROUTE is available. #ifdef is  
?S: not enough because it may be an enum, glibc has been known to do this.

?S:.

?S:d\_msg\_oob:

?S: This variable conditionally defines the HAS\_MSG\_OOB symbol,

?S: which indicates that the MSG\_OOB is available. #ifdef is

?S: not enough because it may be an enum, glibc has been known to do this.

?S:.

?S:d\_msg\_peek:

?S: This variable conditionally defines the HAS\_MSG\_PEEK symbol,

?S: which indicates that the MSG\_PEEK is available. #ifdef is

?S: not enough because it may be an enum, glibc has been known to do this.

?S:.

?S:d\_msg\_proxy:

?S: This variable conditionally defines the HAS\_MSG\_PROXY symbol,

?S: which indicates that the MSG\_PROXY is available. #ifdef is

?S: not enough because it may be an enum, glibc has been known to do this.

?S:.

?S:d\_scm\_rights:

?S: This variable conditionally defines the HAS\_SCM\_RIGHTS symbol,

?S: which indicates that the SCM\_RIGHTS is available. #ifdef is

?S: not

enough because it may be an enum, glibc has been known to do this.

?S:.

?S:d\_sockaddr\_sa\_len:

?S: This variable conditionally defines the HAS\_SOCKADDR\_SA\_LEN symbol,

?S: which indicates that a struct sockaddr structure has the sa\_len

?S: member.

?S:.

?S:d\_sockaddr\_in6:

?S: This variable conditionally defines the HAS\_SOCKADDR\_IN6 symbol, which

?S: indicates the availability of a struct sockaddr\_in6.

?S:.

?S:d\_sin6\_scope\_id:

?S: This variable conditionally defines the HAS\_SIN6\_SCOPE\_ID symbol, which

?S: indicates that a struct sockaddr\_in6 structure has the sin6\_scope\_id

?S: member.

?S:.

?S:d\_ip\_mreq:

?S: This variable conditionally defines the HAS\_IP\_MREQ symbol, which

?S: indicates the availability of a struct ip\_mreq.

?S:.

?S:d\_ip\_mreq\_source:

?S: This variable conditionally defines the HAS\_IP\_MREQ\_SOURCE symbol,

?S: which indicates the availability of a struct ip\_mreq\_source.

?S:.

?S:d\_ipv6\_mreq:

?S: This variable conditionally defines the HAS\_IPV6\_MREQ symbol, which

?S: indicates

the availability of a struct `ipv6_mreq`.

?S:.

?S:d\_ipv6\_mreq\_source:

?S: This variable conditionally defines the `HAS_IPV6_MREQ_SOURCE` symbol,

?S: which indicates the availability of a struct `ipv6_mreq_source`.

?S:.

?S:socketlib:

?S: This variable has the names of any libraries needed for socket support.

?S:.

?S:sockethdr:

?S: This variable has any `cpp -I` flags needed for socket support.

?S:.

?C:HAS\_SOCKET (SOCKET):

?C: This symbol, if defined, indicates that the BSD socket interface is

?C: supported.

?C:.

?C:HAS\_SOCKETPAIR (SOCKETPAIR):

?C: This symbol, if defined, indicates that the BSD `socketpair()` call is

?C: supported.

?C:.

?C:USE\_OLD\_SOCKET (OLDSOCKET):

?C: This symbol, if defined, indicates that the 4.1c BSD socket interface

?C: is supported instead of the 4.2/4.3 BSD socket interface. For instance,

?C: there is no `setsockopt()` call.

?C:.

?C:HAS\_MSG\_CTRUNC:

?C: This symbol, if defined, indicates that the `MSG_CTRUNC` is supported.

?C: Checking just with `#ifdef` might not be enough

because this symbol

?C: has been known to be an enum.

?C:.

?C:HAS\_MSG\_DONTROUTE:

?C: This symbol, if defined, indicates that the `MSG_DONTROUTE` is supported.

?C: Checking just with `#ifdef` might not be enough because this symbol

?C: has been known to be an enum.

?C:.

?C:HAS\_MSG\_OOB:

?C: This symbol, if defined, indicates that the `MSG_OOB` is supported.

?C: Checking just with `#ifdef` might not be enough because this symbol

?C: has been known to be an enum.

?C:.

?C:HAS\_MSG\_PEEK:

?C: This symbol, if defined, indicates that the `MSG_PEEK` is supported.

?C: Checking just with `#ifdef` might not be enough because this symbol

?C: has been known to be an enum.

?C:.

?C:HAS\_MSG\_PROXY:

?C: This symbol, if defined, indicates that the `MSG_PROXY` is supported.

?C: Checking just with #ifdef might not be enough because this symbol  
?C: has been known to be an enum.  
?C:.  
?C:HAS\_SCM\_RIGHTS:  
?C: This symbol, if defined, indicates that the SCM\_RIGHTS is supported.  
?C: Checking just with #ifdef might not be enough  
because this symbol  
?C: has been known to be an enum.  
?C:.  
?C:HAS\_SOCKADDR\_SA\_LEN:  
?C: This symbol, if defined, indicates that the struct sockaddr  
?C: structure has a member called sa\_len, indicating the length of  
?C: the structure.  
?C:.  
?C:HAS\_SOCKADDR\_IN6:  
?C: This symbol, if defined, indicates the availability of  
?C: struct sockaddr\_in6;  
?C:.  
?C:HAS\_SIN6\_SCOPE\_ID:  
?C: This symbol, if defined, indicates that the struct sockaddr\_in6  
?C: structure has a member called sin6\_scope\_id.  
?C:.  
?C:HAS\_IP\_MREQ:  
?C: This symbol, if defined, indicates the availability of  
?C: struct ip\_mreq;  
?C:.  
?C:HAS\_IP\_MREQ\_SOURCE:  
?C: This symbol, if defined, indicates the availability of  
?C: struct ip\_mreq\_source;  
?C:.  
?C:HAS\_IPV6\_MREQ:  
?C: This symbol, if defined, indicates the availability of  
?C: struct ipv6\_mreq;  
?C:.  
?C:HAS\_IPV6\_MREQ\_SOURCE:  
?C: This symbol, if defined, indicates the availability of  
?C: struct ipv6\_mreq\_source;  
?C:.  
?H:#\$d\_socket HAS\_SOCKET /\*\*/  
?H:#\$d\_sockpair HAS\_SOCKETPAIR /\*\*/  
?H:#\$d\_sockaddr\_sa\_len HAS\_SOCKADDR\_SA\_LEN /\*\*/  
?H:#\$d\_oldsock USE\_OLD\_SOCKET /\*\*/  
?H:#\$d\_msg\_ctrunc HAS\_MSG\_CTRUNC /\*\*/  
?H:#\$d\_msg\_dontroute HAS\_MSG\_DONTROUTE /\*\*/  
?H:#\$d\_msg\_oob HAS\_MSG\_OOB /\*\*/  
?H:#\$d\_msg\_peek HAS\_MSG\_PEEK /\*\*/  
?H:#\$d\_msg\_proxy HAS\_MSG\_PROXY /\*\*/  
?H:#\$d\_scm\_rights HAS\_SCM\_RIGHTS /\*\*/

```

?H:#$d_sockaddr_in6 HAS_SOCKADDR_IN6 /**/
?H:#$d_sin6_scope_id HAS_SIN6_SCOPE_ID /**/
?H:#$d_ip_mreq HAS_IP_MREQ /**/
?H:#$d_ip_mreq_source HAS_IP_MREQ_SOURCE /**/
?H:#$d_ipv6_mreq HAS_IPV6_MREQ /**/
?H:#$d_ipv6_mreq_source HAS_IPV6_MREQ_SOURCE /**/
?H:.
?T:val
net ENUM enum
?LINT:set d_sockpair d_sockaddr_sa_len
?LINT:set d_msg_trunc d_msg_dontroute d_msg_oob d_msg_peek d_msg_proxy
?LINT:set d_scm_rights d_sockaddr_in6 d_sin6_scope_id d_ip_mreq
?LINT:set d_ip_mreq_source d_ipv6_mreq d_ipv6_mreq_source
: see whether socket exists
socketlib=""
sockethdr=""
echo " "
$echo $n "Hmm... $c" >&4
if set socket val -f d_socket; eval $csym; $val; then
    echo "Looks like you have Berkeley networking
support." >&4
    d_socket="$define"
?X: now check for advanced features
    if set setsockopt val -f; eval $csym; $val; then
d_oldsock="$undef"
    else
echo "...but it uses the old BSD 4.1c interface, rather than 4.2." >&4
d_oldsock="$define"
    fi
else
?X: HP-UX, for one, puts all the socket stuff in socklib.o. Note that if we
?X: come here on HP-UX, then we must have used nm to get symbols, or we really
?X: don't have sockets anyway...
    if $contains socklib libc.list >/dev/null 2>&1; then
echo "Looks like you have Berkeley networking support." >&4
d_socket="$define"
: we will have to assume that it supports the 4.2 BSD interface
d_oldsock="$undef"
    else
echo "You don't have Berkeley networking in libc$a..." >&4
?X: look for optional networking libraries
if test "X$d_socket" = "X$define"; then
    echo "...but you seem to believe that you have sockets." >&4
else
    for net in net socket
    do
        if test -f $sysroot/usr/lib/lib$net$a; then
?X: space between two

```

```

(' needed for ksh
  ( ($nm $nm_opt $sysroot/usr/lib/lib$net$_a | eval $nm_extract) || \
  $ar t $sysroot/usr/lib/lib$net$_a 2>/dev/null >> libc.list
  if $contains socket libc.list >/dev/null 2>&1; then
d_socket="$define"
socketlib="-l$net"
case "$net" in
net)
  echo "...but the Wollongong group seems to have hacked it in." >&4
  sockethdr="-I$sysroot/usr/netinclude"
  ;;
esac
echo "Found Berkeley sockets interface in lib$net." >&4
?X: now check for advanced features
if $contains setsockopt libc.list >/dev/null 2>&1; then
  d_oldsock="$undef"
else
  echo "...using the old BSD 4.1c interface, rather than 4.2." >&4
  d_oldsock="$define"
fi
break
fi
done
if test "X$d_socket" != "X$define"; then
  echo "or anywhere else I see." >&4
  d_socket="$undef"
  d_oldsock="$undef"
fi
fi
fi
fi

@if HAS_SOCKETPAIR || d_socketpair
: see if socketpair exists
set socketpair d_socketpair
eval
$inlibc

@end

echo " "
?X: ...
echo "Checking the availability sa_len in the sock struct ..." >&4
$cat >try.c <<EOF
#include <sys/types.h>
#include <sys/socket.h>
int main() {

```

```

struct sockaddr sa;
return (sa.sa_len);
}
EOF
val="$undef"
set try; if eval $compile; then
    val="$define"
fi
set d_sockaddr_sa_len; eval $setvar
$rm_try

echo " "
?X: ...
echo "Checking the availability struct sockaddr_in6 ..." >&4
$cat >try.c <<EOF
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
int main() {
struct sockaddr_in6 sin6;
return (sin6.sin6_family);
}
EOF
val="$undef"
set try; if eval $compile; then
    val="$define"
fi
set d_sockaddr_in6; eval $setvar
$rm_try

echo " "
?X: ...
echo "Checking the availability sin6_scope_id in struct sockaddr_in6 ..." >&4
$cat >try.c <<EOF
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
int main() {
struct sockaddr_in6 sin6;
return (sin6.sin6_scope_id);
}
EOF
val="$undef"
set try; if eval $compile; then
    val="$define"
fi
set

```

```

d_sin6_scope_id; eval $setvar
$rm_try

echo " "
?X: ...
echo "Checking the availability struct ip_mreq ..." >&4
$cat >try.c <<EOF
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
int main() {
struct ip_mreq mreq;
return (mreq.imr_multiaddr.s_addr);
}
EOF
val="$undef"
set try; if eval $compile; then
    val="$define"
fi
set d_ip_mreq; eval $setvar
$rm_try

echo " "
?X: ...
echo "Checking the availability struct ip_mreq_source ..." >&4
$cat >try.c <<EOF
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
int main() {
struct ip_mreq_source mreq;
return (mreq.imr_multiaddr.s_addr);
}
EOF
val="$undef"
set try; if eval $compile; then
    val="$define"
fi
set d_ip_mreq_source; eval $setvar
$rm_try

echo " "
?X: ...
echo "Checking the availability struct ipv6_mreq ..." >&4
$cat >try.c <<EOF
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>

```



```

int main() {
struct ipv6_mreq mreq;
return (mreq.ipv6mr_interface);
}
EOF
val="$undef"
set
try; if eval $compile; then
    val="$define"
fi
set d_ipv6_mreq; eval $setvar
$rm_try

echo " "
?X: ...
echo "Checking the availability struct ipv6_mreq_source ..." >&4
$cat >try.c <<EOF
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
int main() {
struct ipv6_mreq_source mreq;
return (mreq.imr_multiaddr.s_addr);
}
EOF
val="$undef"
set try; if eval $compile; then
    val="$define"
fi
set d_ipv6_mreq_source; eval $setvar
$rm_try

echo " "
?X: these constants are known to be troublesomely defined as enums
?X: so that ifdef will not work for detecting their presence.
echo "Checking the availability of certain socket constants..." >&4
for ENUM in MSG_CTRUNC MSG_DONTROUTE MSG_OOB MSG_PEEK MSG_PROXY SCM_RIGHTS; do
    enum=`$echo $ENUM|./tr '[A-Z]' '[a-z]'`
    $cat >try.c <<EOF
#include <sys/types.h>
#include <sys/socket.h>
int main() {
    int i = $ENUM;
}
EOF
val="$undef"
set try; if eval $compile; then
val="$define"

```

```
fi
set d_${enum};
eval $setvar
$rm_try
done
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_socket.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_shadow.U,v $
```

```
?RCS:
```

```
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:i_prot: Inhdr Hasfield
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_prot:
```

```
?S: This variable conditionally defines the I_PROT symbol, and indicates
```

```
?S: whether a C program should include <prot.h>.
```

```
?S:.
```

```
?C:I_PROT:
```

```
?C: This symbol, if defined, indicates that <prot.h> exists and
```

```
?C: should be included.
```

```
?C:.
```

```
?H:#$i_prot I_PROT /**/
```

```
?H:.
```

```
?LINT:set i_prot
```

```
: see if this is a prot.h system
```

```
set prot.h i_prot
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_prot.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_systimes.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: i\_systimes.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:08:39 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:i\_systimes: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_systimes:  
?S: This variable conditionally defines the I\_SYS\_TIMES symbol, and indicates  
?S: whether a C program should include <sys/times.h>.  
?S:.  
?C:I\_SYS\_TIMES (I\_SYSTIMES):  
?C: This symbol, if defined, indicates to the C program that it should  
?C: include <sys/times.h>.  
?C:.  
?H:#\$i\_systimes I\_SYS\_TIMES /\*\*/  
?H:.  
?LINT:set  
i\_systimes  
: see if this is a sys/times.h system  
set sys/times.h i\_systimes  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_systimes.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1998 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_atoll: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_atoll:  
?S: This variable conditionally defines the HAS\_ATOLL symbol, which  
?S: indicates to the C program that the atoll() routine is available.  
?S:.  
?C:HAS\_ATOLL:  
?C: This symbol, if defined, indicates that the atoll routine is  
?C: available to convert strings into long longs.  
?C:.  
?H:#\$d\_atoll HAS\_ATOLL /\*\*/  
?H:.

```
?LINT:set d_atoll
: see if atoll exists
set atoll d_atoll
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/atoll.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_strtod.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1996, Andy Dougherty
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_strtod.U,v $
```

```
?RCS: Revision 3.0.1.1 1997/02/28 15:46:36 ram
```

```
?RCS: patch61: created
```

```
?RCS:
```

```
?RCS:
```

```
?MAKE:d_strtod: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_strtod:
```

```
?S: This variable conditionally defines the HAS_STRTOD symbol, which
```

```
?S: indicates to the C program that the strtod() routine is available
```

```
?S: to provide better numeric string conversion than atof().
```

```
?S:.
```

```
?C:HAS_STRTOD (STRTOD):
```

```
?C: This symbol, if defined,
```

```
indicates that the strtod routine is
```

```
?C: available to provide better numeric string conversion than atof().
```

```
?C:.
```

```
?H:#$d_strtod HAS_STRTOD /**/
```

```
?H:.
```

```
?LINT:set d_strtod
```

```
: see if strtod exists
```

```
set strtod d_strtod
```

```
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_strtod.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: inc.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: inc.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:51 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:inc incexp: Loc Oldconfig Getfile us rinc

?MAKE: -pick add \$@ %<

?S:inc:

?S: This variable holds the name of the directory in which the user wants

?S: to put public header files for the package in question. It is most

?S: often a local directory such as /usr/local/include.

?S:.

?S:incexp:

?S: This is the same as the inc variable, but is filename  
expanded

?S: at configuration time for convenient use in your makefiles.

?S:.

: determine where public header files go

case "\$inc" in

)

dflt=`./loc . ." /usr/local/include /usr/include/local \$usrinc`

::

\*) dflt="\$inc"

::

esac

fn=d~

rp='Where do you want to put the public header files?'

./getfile

inc="\$ans"

incexp="\$ansexp"

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/inc.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:  
?RCS: Copyright (c) 2009 H.Merijn Brand  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_inetpton: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_inetpton:  
?S: This variable conditionally defines the HAS\_INETPTON symbol,  
?S: which indicates to the C program that the inet\_pton() function  
?S: is available.  
?S:.  
?C:HAS\_INETPTON:  
?C: This symbol, if defined, indicates that the inet\_pton() function  
?C: is available to parse IPv4 and IPv6 strings.  
?C:.  
?H:#\$d\_inetpton HAS\_INETPTON /\*\*/  
?H:.  
?LINT:set d\_inetpton  
: see if inet\_pton exists  
set inet\_pton d\_inetpton  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_inetpton.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_dup2.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_dup2.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:05:56 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_dup2: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_dup2:  
?S: This variable conditionally defines HAS\_DUP2 if dup2() is  
?S: available to duplicate file descriptors.

?S:  
?C:HAS\_DUP2 (DUP2):  
?C: This symbol, if defined, indicates that the dup2 routine is  
?C: available to duplicate file descriptors.  
?C:  
?H:#\$d\_dup2 HAS\_DUP2 /\*\*/  
?H:  
?LINT:set d\_dup2  
:  
  see if dup2 exists  
  set dup2 d\_dup2  
  eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_dup2.U

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?RCS: \$Id: Signal.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: Signal.U,v \$  
?RCS: Revision 3.0.1.1 1997/02/28 15:20:01 ram  
?RCS: patch61: created  
?RCS:  
?X:  
?X: This unit produces three files:  
?X: 1- A signal.c file, which, when compiled and run, produces an output like:  
?X:  
?X: HUP 1  
?X: INT 2  
?X: QUIT 3  
?X: etc...  
?X:  
?X: 2- A signal.awk script to parse the output of signal.c, fill  
?X: in gaps (up to NSIG) and move duplicates to the end.  
?X: 3- A signal\_cmd script to compile signal.c and run it  
?X: through  
  sort -n -k 2 | uniq | awk -f signal.awk.  
?X: (we try also sort -n +1 since some old hosts don't grok sort -k)  
?X: (This is called signal\_cmd to avoid OS/2 confusion with

?X: signal.cmd vs. signal.

?X: The signal\_cmd script also falls back on checking signals one at a time in case the signal.c program fails. On at least one version of Linux 2.1.x, the header file #define'd SIGRTMAX to a symbol that is not defined by the compiler/linker. :-(. Further, on that same version of Linux, the user had a defective C-shell that gave an incorrect list for kill -l, so the fall-back didn't work.

?X:

?X: This unit is then used by sig\_name.U.

?X:

?MAKE:Signal: test tr rm awk cat grep startsh eunicefix sed sort uniq \
Findhdr cppstdin +cppflags cppminus Compile \_o \_exe trnl run i\_stdlib \
sysroot

?MAKE: -pick add \$@ %<

?X:all files declared as "public" since they're used from other units

?F:signal.c signal\_cmd signal.lst signal signal.awk

?T: xx xxx xxxfiles

?LINT:use rm run

\_o \_exe

?LINT:extern sig\_num\_init

: Trace out the files included by signal.h, then look for SIGxxx names.

?X: Remove SIGARRAYSIZE used by HPUX.

?X: Remove SIGSTKSIZE used by Linux.

?X: Remove SIGSTKSZ used by POSIX.

?X: Remove SIGTYP void lines used by OS2.

?X: Some cpps, like os390, do not give the file name anywhere

```
case "$sig_num_init" in
")
if [ "X$fieldn" = X ]; then
: Just make some guesses. We check them later.
xxx="$sysroot/usr/include/signal.h $sysroot/usr/include/sys/signal.h"
else
xxx=`echo '#include <signal.h>' |
$cppstdin $cppminus $cppflags 2>/dev/null |
$grep '^[ ]*#.*include' |
$awk "{print \\$$fieldn}" | $sed 's"!g' | \
$sed 's!\\\\\\\\\\\\\\\\!g' | $sort | $uniq`
fi
```

?X: Check this list of files to be sure we have parsed the cpp output ok.

?X: This will also avoid potentially non-existent files, such

?X: as ../foo/bar.h

```
xxxfiles="
```

?X: Add /dev/null in case the \$xxx list is empty.

```
for xx in $xxx /dev/null ; do
$test -f "$xx" && xxxfiles="$xxxfiles $xx"
done
```

?X:



```

If we have found no files, at least try signal.h
case "$xxxfiles" in
") xxxfiles=`./findhdr signal.h` ;;
esac
xxx=`awk '
$1 ~ /^#define$/ && $2 ~ /^SIG[A-Z0-9]*$/ && $2 !~ /SIGARRAYSIZE/ && $2 !~ /SIGSTKSIZE/ && $2 !~
/SIGSTKSZ/ && $3 !~ /void/ {
print substr($2, 4, 20)
}
$1 == "#" && $2 ~ /^define$/ && $3 ~ /^SIG[A-Z0-9]*$/ && $3 !~ /SIGARRAYSIZE/ && $4 !~ /void/ {
print substr($3, 4, 20)
}' $xxxfiles`
: Append some common names just in case the awk scan failed.
xxx="$xxx ABRT ALRM BUS CANCEL CHLD CLD CONT DIL EMT FPE"
xxx="$xxx FREEZE HUP ILL INT IO IOT KILL LOST LWP PHONE"
xxx="$xxx PIPE POLL PROF PWR QUIT RTMAX RTMIN SEGV STKFLT STOP"
xxx="$xxx SYS TERM THAW TRAP TSTP TTIN TTOU URG USR1 USR2"
xxx="$xxx USR3 USR4 VTALRM WAITING WINCH WIND WINDOW XCPU XFSZ"

: generate a few handy files for later
$cat > signal.c <<EOCP
#include <sys/types.h>
#include <signal.h>
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#include <stdio.h>
int main() {

/* Strange style to avoid
deeply-nested #if/#else/#endif */
#ifdef NSIG
# ifdef _NSIG
#  define NSIG (_NSIG)
# endif
#endif

#ifdef NSIG
# ifdef SIGMAX
#  define NSIG (SIGMAX+1)
# endif
#endif

#ifdef NSIG
# ifdef SIG_MAX
#  define NSIG (SIG_MAX+1)
# endif

```

```

#endif

#ifndef NSIG
# ifdef _SIG_MAX
#  define NSIG (_SIG_MAX+1)
# endif
#endif

#ifndef NSIG
# ifdef MAXSIG
#  define NSIG (MAXSIG+1)
# endif
#endif

#ifndef NSIG
# ifdef MAX_SIG
#  define NSIG (MAX_SIG+1)
# endif
#endif

#ifndef NSIG
# ifdef SIGARRAYSIZE
#  define NSIG SIGARRAYSIZE /* Assume ary[SIGARRAYSIZE] */
# endif
#endif

#ifndef NSIG
# ifdef _sys_nsig
#  define NSIG (_sys_nsig) /* Solaris 2.5 */
# endif
#endif

/* Default to some arbitrary number that's big enough to get most
   of the common signals.
*/
#ifndef NSIG
#  define NSIG 50
#endif

printf("NSIG %d\n", NSIG);

#ifndef JUST_NSIG

EOCP

echo $xxx | $tr ' ' $trnl | $sort | $uniq | $awk '
{
  printf "#ifdef SIG"; printf $1; printf "\n"

```

```

printf "printf(\n";
printf $1; printf " %%d\n\n",SIG";
printf $1; printf ");\n"
printf "#endif\n"
}
END {
printf "#endif /* JUST_NSIG *\n";
printf "exit(0);\n}\n";
}
' >>signal.c
$cat >signal.awk <<'EOP'
BEGIN { ndups = 0 }
$1 ~ /^NSIG$/ { nsig = $2 }
($1 !~ /^NSIG$/) && (NF == 2) && ($2 ~ /^[0-9][0-9]*$/) {
    if ($2 > maxsig) { maxsig = $2 }
    if (sig_name[$2]) {
dup_name[ndups] = $1
dup_num[ndups] = $2
ndups++
    }
    else {
sig_name[$2] = $1
sig_num[$2] = $2
    }
}
END {
    if (nsig == 0) {
        nsig = maxsig + 1
    }
    printf("NSIG %d\n", nsig);
    for (n = 1; n < nsig; n++) {
if (sig_name[n]) {
        printf("%s %d\n", sig_name[n], sig_num[n])
    }
    else {
        printf("NUM%d %d\n", n, n)
    }
    }
    for (n = 0; n < ndups; n++) {
printf("%s %d\n", dup_name[n], dup_num[n])
    }
}
EOP
$cat >signal_cmd <<<EOS
$startsh
if $test -s signal.lst; then
    echo "Using your existing signal.lst file"
exit 0

```

```

fi
xxx="$xxx"
EOS
?X: Avoid variable interpolation problems, especially with
?X:
xxx, which contains newlines.
$cat >>signal_cmd <<'EOS'

set signal
if eval $compile_ok; then
  $run ./signal$_exe | ($sort -n -k 2 2>/dev/null || $sort -n +1) |\
  $uniq | $awk -f signal.awk >signal.lst
else
  echo "(I can't seem be able to compile the whole test program)" >&4
  echo "(I'll try it in little pieces.)" >&4
  set signal -DJUST_NSIG
  if eval $compile_ok; then
    $run ./signal$_exe > signal.nsg
    $cat signal.nsg
  else
    echo "I can't seem to figure out how many signals you have." >&4
    echo "Guessing 50." >&4
    echo 'NSIG 50' > signal.nsg
  fi
: Now look at all the signal names, one at a time.
for xx in `echo $xxx | $tr ' ' $trnl | $sort | $uniq`; do
  $cat > signal.c <<EOCP
#include <sys/types.h>
#include <signal.h>
#include <stdio.h>
int main() {
printf("$xx %d\n", SIG${xx});
return 0;
}
EOCP
  set signal
  if eval $compile; then
    echo "SIG${xx} found."
    $run ./signal$_exe >> signal.ls1
  else
    echo "SIG${xx} NOT found."
  fi
done
if $test -s signal.ls1; then
  $cat
signal.nsg signal.ls1 |
  $sort -n | $uniq | $awk -f signal.awk >signal.lst
fi

```

```

fi
if $test -s signal.lst; then
:
else
echo "(AAK! I can't compile the test programs -- Guessing)" >&4
echo 'kill -l' >signal
set X `csh -f <signal`
$rm -f signal
shift
case $# in
0) set HUP INT QUIT ILL TRAP ABRT EMT FPE KILL BUS SEGV SYS PIPE ALRM TERM;;
esac
echo $@ | $tr ' ' $trnl | \
    $awk '{ printf "%s %d\n", $1, ++s; }
    END { printf "NSIG %d\n", ++s }' >signal.lst
fi
$rm -f signal.c signal$_exe signal$_o signal.nsg signal.ls1
EOS
chmod a+x signal_cmd
$eunicefix signal_cmd
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Signal.U
```

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_pthread\_attr\_setscope: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_pthread\_attr\_setscope:

?S: This variable conditionally defines HAS\_PTHREAD\_ATTR\_SETSCOPE if

?S: pthread\_attr\_setscope() is available to set the contention scope

?S: attribute of a thread attribute object.

?S:.

?C:HAS\_PTHREAD\_ATTR\_SETSCOPE:

?C: This symbol, if defined, indicates that the pthread\_attr\_setscope

?C: system call is available to set the contention scope attribute of  
?C: a thread attribute object.  
?C:.  
?H:#\$d\_pthread\_attr\_setscope HAS\_PTHREAD\_ATTR\_SETSCOPE /\*\*/  
?H:.  
?LINT:set  
d\_pthread\_attr\_setscope  
: see if pthread\_attr\_setscope exists  
set pthread\_attr\_setscope d\_pthread\_attr\_setscope  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_pthread\_attr\_ss.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_gethent.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_gethent.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:09 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_gethent: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_gethent:  
?S: This variable conditionally defines HAS\_GETHOSTENT if gethostent() is  
?S: available to look up host names in some data base or another.  
?S:.  
?C:HAS\_GETHOSTENT:  
?C: This symbol, if defined, indicates that the gethostent() routine is  
?C: available to look up host names in some  
data base or another.  
?C:.  
?H:#\$d\_gethent HAS\_GETHOSTENT /\*\*/  
?H:.  
?LINT:set d\_gethent  
: see if gethostent exists  
set gethostent d\_gethent  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_gethent.U

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_malloc\_size d\_malloc\_good\_size: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_malloc\_size:

?S: This symbol, if defined, indicates that the malloc\_size

?S: routine is available for use.

?S:.

?S:d\_malloc\_good\_size:

?S: This symbol, if defined, indicates that the malloc\_good\_size

?S: routine is available for use.

?S:.

?C:HAS\_MALLOC\_SIZE:

?C: This symbol, if defined, indicates that the malloc\_size

?C: routine is available for use.

?C:.

?H:#\$d\_malloc\_size HAS\_MALLOC\_SIZE /\*\*/

?H:.

?C:HAS\_MALLOC\_GOOD\_SIZE:

?C: This symbol, if defined,

indicates that the malloc\_good\_size

?C: routine is available for use.

?C:.

?H:#\$d\_malloc\_good\_size HAS\_MALLOC\_GOOD\_SIZE /\*\*/

?H:.

?LINT:set d\_malloc\_size

?LINT:set d\_malloc\_good\_size

: see if malloc\_size exists

set malloc\_size d\_malloc\_size

eval \$inlibc

: see if malloc\_size\_good exists

set malloc\_good\_size d\_malloc\_good\_size

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_malloc_size.U
```

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fdclose: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fdclose:

?S: This variable conditionally defines the HAS\_FDCLOSE symbol, which

?S: indicates to the C program that the fdclose() routine is available.

?S:.

?C:HAS\_FDCLOSE:

?C: This symbol, if defined, indicates that the fdclose routine is

?C: available to free a FILE structure without closing the underlying

?C: file descriptor. This function appeared in FreeBSD 10.2.

?C:.

?H:#\$d\_fdclose HAS\_FDCLOSE /\*\*/

?H:.

?LINT:set d\_fdclose

: see if fdclose exists

set fdclose d\_fdclose

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_fdclose.U
```

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: libc.U,v \$

?RCS: Revision 3.0.1.10 1997/02/28 15:56:48 ram

?RCS: patch61: replaced .a with \$\_a all over the place

?RCS: patch61: added support for HPUX-10 nm output

?RCS:

?RCS: Revision 3.0.1.9 1995/07/25 14:11:56 ram

?RCS: patch56: now knows about OS/2 platforms



?RCS:  
?RCS: Revision 3.0.1.8 1995/05/12 12:20:47 ram  
?RCS: patch54: made sure only most recent version of shared lib is picked  
?RCS: patch54: final "nm -p" check now uses xscan and xrun like everybody  
?RCS: patch54: can now grok  
linux nm output with lead \_\_IO (ADO)  
?RCS: patch54: added support for linux ELF output, using 'W' for alias (ADO)  
?RCS:  
?RCS: Revision 3.0.1.7 1994/10/29 16:23:40 ram  
?RCS: patch36: now looks for shared libraries before anything else (ADO)  
?RCS: patch36: added new nm output format (ADO)  
?RCS:  
?RCS: Revision 3.0.1.6 1994/08/29 16:28:10 ram  
?RCS: patch32: added I-type symbols for nm output parsing on Linux  
?RCS:  
?RCS: Revision 3.0.1.5 1994/06/20 07:03:24 ram  
?RCS: patch30: checks are now presented by succession of if/elif  
?RCS: patch30: uniformized checks for shared objects with new so symbol  
?RCS:  
?RCS: Revision 3.0.1.4 1994/05/06 15:06:33 ram  
?RCS: patch23: added shared library knowledge (ADO and WED)  
?RCS:  
?RCS: Revision 3.0.1.3 1994/01/24 14:12:17 ram  
?RCS: patch16: can now export nm\_extract as an internal-use only variable  
?RCS:  
?RCS: Revision 3.0.1.2 1993/09/13 16:09:03 ram  
?RCS: patch10: added special handling for Apollo systems (WAD)  
?RCS:  
?RCS: Revision 3.0.1.1  
1993/08/27 14:40:03 ram  
?RCS: patch7: added entry for /usr/shlib/libc.so (OSF/1 machines)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:08:57 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:libc libnames +nm\_extract: echo n c rm test grep Getfile Myread \  
Oldconfig Loc sed libs incpath libpth ar runnm nm nm\_opt nm\_so\_opt \  
contains xlibpth so osname trnl tr sort uniq \_o \_a  
?MAKE: -pick add \$@ %<  
?S:libc:  
?S: This variable contains the location of the C library.  
?S:.  
?S:libnames:  
?S: The constructed list of library names. Normally empty, but hint files  
?S: may set this for later perusal by Configure.  
?S:.  
?S:nm\_extract:  
?S: This variable holds the name of the extraction command used to process

?S: the output of nm and yield the list of defined symbols. It is used

?S: internally by Configure.

?S:.

?T:thislib try libnames xxx xscan xrun thisname com tans file

?F:!libnames !libc.tmp !tmp.imp

?LINT:change nm\_opt runnm

?INIT:libnames="

: Figure out where the libc is located

case

"\$runnm" in

true)

?X: indentation is wrong on purpose--RAM

: get list of predefined functions in a handy place

echo " "

case "\$libc" in

") libc=unknown

case "\$libs" in

\*-lc\_s\*) libc=`./loc libc\_s\$a \$libc \$libpth`

esac

::

esac

case "\$libs" in

") ::

\*) for thislib in \$libs; do

case "\$thislib" in

-lc|-lc\_s)

: Handle C library specially below.

::

-l\*)

thislib=`echo \$thislib | \$sed -e 's/^-l//`

if try=`./loc lib\$thislib.\$so.\*' X \$libpth`; \$test -f "\$try"; then

:

elif try=`./loc lib\$thislib.\$so X \$libpth`; \$test -f "\$try"; then

:

elif try=`./loc lib\$thislib\$a X \$libpth`; \$test -f "\$try"; then

:

elif try=`./loc \$thislib\$a X \$libpth`; \$test -f "\$try"; then

:

elif try=`./loc lib\$thislib X \$libpth`; \$test -f "\$try"; then

:

elif try=`./loc \$thislib X \$libpth`; \$test -f "\$try"; then

:

elif try=`./loc \$lib\$thislib\$a X \$libpth`; \$test -f "\$try"; then

:

else

try="

fi

libnames="\$libnames \$try"

```

;;
*) libnames="$libnames $thislib"
;;
esac
done
;;
esac
?X:
?X: Some systems (e.g. DG/UX) use "environmental" links, which make the test
?X: -f fail. Ditto for symbolic links. So in order to reliably check the
?X: existence of a file, we use test -r. It will still fail with DG/UX links
?X: though, but at least it will detect symbolic links. At some strategic
?X: points, we make use of (test -h), using a sub-shell in case builtin test
?X: does not implement the -h check for symbolic links. This makes it
?X: possible to preset libc in a hint file for instance and have it show up
?X: as-is in the question.
?X:
xxx=normal
case "$libc" in
unknown)
?X:
?X: The sed below transforms .so.9 .so.12 into something like .so.0009 .so.0012,
?X: then sorts on it to allow keeping .so.12 instead of .so.9 as the latest
?X: up-to-date library. The initial filename (before sed munging, saved in hold
?X: space via 'h') is appended via 'G' before sorting, then the leading munged
?X: part is removed after sorting. Nice efficient work
?X: from Tye McQueen.
?X: The initial blurfl is here to prevent the trailing pipe from producing an
?X: empty string, causing Configure to output all its set variables!
?X:
set /lib/libc.$so
for xxx in $libpth; do
$test -r $1 || set $xxx/libc.$so
: The messy sed command sorts on library version numbers.
$test -r $1 || \
set `echo blurfl; echo $xxx/libc.$so.[0-9]* | \
tr ' ' $trnl | egrep -v \.[A-Za-z]*$' | $sed -e '
h
s/[0-9][0-9]*0000&/g
s/0*\([0-9][0-9][0-9][0-9]\)\^1/g
G
s^n/' | \
$sort | $sed -e 's/^.* //'^
eval set `$$#
done
$test -r $1 || set /usr/ccs/lib/libc.$so
$test -r $1 || set /lib/libsys_s$a
;;

```

```

*)
?X: ensure the test below for the (shared) C library will fail
set blurfl
;;
esac
if $test -r "$1"; then
    echo "Your (shared) C library seems to be in $1."
    libc="$1"
elif $test -r /lib/libc && $test -r /lib/clib; then
?X:
?X: Apollo has its C library in /lib/clib AND /lib/libc
?X: not to mention its math library in /lib/syslib...
?X:
    echo
    "Your C library seems to be in both /lib/clib and /lib/libc."
    xxx=apollo
    libc='/lib/clib /lib/libc'
    if $test -r /lib/syslib; then
        echo "(Your math library is in /lib/syslib.)"
?X: Put syslib in libc -- not quite right, but won't hurt
        libc="$libc /lib/syslib"
    fi
elif $test -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
    echo "Your C library seems to be in $libc, as you said before."
?X: For mips, and...
elif $test -r $incpath/usr/lib/libc$_a; then
    libc=$incpath/usr/lib/libc$_a;
    echo "Your C library seems to be in $libc. That's fine."
elif $test -r /lib/libc$_a; then
    libc=/lib/libc$_a;
    echo "Your C library seems to be in $libc. You're normal."
else
    if tans=`./loc libc$_a blurfl/dyick $libpth`; $test -r "$stans"; then
        :
    elif tans=`./loc libc blurfl/dyick $libpth`; $test -r "$stans"; then
        libnames="$libnames "`./loc clib blurfl/dyick $libpth`
    elif tans=`./loc clib blurfl/dyick $libpth`; $test -r "$stans"; then
        :
    elif tans=`./loc Slibc$_a blurfl/dyick
    $xlibpth`; $test -r "$stans"; then
        :
    elif tans=`./loc Mlibc$_a blurfl/dyick $xlibpth`; $test -r "$stans"; then
        :
    else
        tans=`./loc Llibc$_a blurfl/dyick $xlibpth`
    fi
    if $test -r "$stans"; then
        echo "Your C library seems to be in $stans, of all places."

```

```

    libc=$stans
else
    libc='blurfl'
fi
fi
if $test $xxx = apollo -o -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
    dflt="$libc"
cat <<EOM

```

If the guess above is wrong (which it might be if you're using a strange compiler, or your machine supports multiple models), you can override it here.

```

EOM
else
    dflt="
echo $libpth | $tr ' ' $trnl | $sort | $uniq > libpath
cat >&4 <<EOM

```

I can't seem to find your C library. I've looked in the following places:

```

EOM
$sed 's/^/ /' libpath
cat <<EOM

```

None of these seems to contain your C library. I need to get its name...

```

EOM
fi
fn=f
rp='Where is your C library?'
./getfile
libc="$ans"

echo " "
echo $libc $libnames | $tr ' ' $trnl | $sort | $uniq > libnames
set X `cat libnames`
shift
xxx=files
case
    $# in 1) xxx=file; esac
echo "Extracting names from the following $xxx for later perusal:" >&4
echo " "
$sed 's/^/ /' libnames >&4
echo " "
$echo $n "This may take a while...$c" >&4

```

?X:

?X: Linux may need the special Dynamic option to nm for shared libraries.

?X: In general, this is stored in the nm\_so\_opt variable.

?X: Unfortunately, that option may be fatal on non-shared libraries.

?X:

```
for file in $*; do
case $file in
*$so*) $nm $nm_so_opt $nm_opt $file 2>/dev/null;;
*) $nm $nm_opt $file 2>/dev/null;;
esac
done >libc.tmp
```

```
$echo $n ".$c"
```

?X:

?X: To accelerate processing, we look at the correct 'sed' command

?X: by using a small subset of libc.tmp, i.e. fprintf function.

?X: When we know which sed command to use, do the name extraction

?X:

```
$grep fprintf libc.tmp > libc.ptf
```

?X:

?X: In order to enhance readability and save some space, we define

?X: some variables that will be "eval"ed.

?X:

```
xscan='eval "<libc.ptf $com >libc.list"; $echo $n ".$c" >&4'
```

```
xrun='eval
```

```
"<libc.tmp $com >libc.list"; echo "done." >&4'
```

?X: BSD-like output, I and W types added for Linux

?X: Some versions of Linux include a leading \_\_IO in the symbol name.

?X: HPUX10 reportedly has trailing spaces, though I'm surprised it has

?X: BSD-like output. (AD).

```
xxx='[ADTSIW]'
```

```
if com="$sed -n -e 's/__IO//' -e 's/^. * $xxx *[_.]*/p' -e 's/^. * $xxx */p";\
```

```
eval $xscan;\
```

```
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
```

```
eval $xrun
```

?X: SYSV-like output

```
elif com="$sed -n -e 's/^__*/' -e 's/^\([a-zA-Z_0-9]*\).*xtern.*\1/p";\
```

```
eval $xscan;\
```

```
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
```

```
eval $xrun
```

```
elif com="$sed -n -e '/UNDEF/d' -e '/FUNC..GL/s/^. *|__*/p";\
```

```
eval $xscan;\
```

```
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
```

```
eval $xrun
```

```
elif com="$sed -n -e 's/^. * D __*/p' -e 's/^. * D //p";\
```

```
eval $xscan;\
```

```
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
```

```
eval $xrun
```

```
elif com="$sed -n -e 's/^_/ ' -e 's/^\([a-zA-Z_0-9]*\).*xtern.*text.*\1/p";\
```

```
eval
```

```

$xcscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
    eval $xrun
elif com="$sed -n -e 's/^.*/FUNC |GLOB .*/p';\
eval $xcscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
    eval $xrun
elif com="$grep '|' | $sed -n -e '/COMMON/d' -e '/DATA/d' \
    -e '/file/d' -e 's/^\([^\ ]*\).*\1/p';\
eval $xcscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
    eval $xrun
elif com="$sed -n -e 's/^.*/FUNC |GLOB .*/p' -e 's/^.*/FUNC |WEAK .*/p';\
eval $xcscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
    eval $xrun
?X: mips nm output (sysV)
elif com="$sed -n -e 's/^\_//' -e '/Undef/d' -e '/Proc/s/.*//p';\
eval $xcscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
    eval $xrun
elif com="$sed -n -e 's/^.*/Proc .*/Text *| */p';\
eval $xcscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
    eval $xrun
elif com="$sed -n -e '/Def. Text/s/.* \([^\ ]*\)\$1/p';\
eval $xcscan;\
$contains '^fprintf$' libc.list >/dev/null
2>&1; then
    eval $xrun
?X: OS/2 nm output
elif com="$sed -n -e 's/^\[-0-9a-f ]*_\(.*)=.*\1/p';\
eval $xcscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
    eval $xrun
elif com="$sed -n -e 's/.*\text n\ \ \ \ \.*/p';\
eval $xcscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
    eval $xrun
?X: AIX nm output
elif com="$sed -n -e 's/^\_.*// -e 's/[ \t]*D[ \t]*[0-9]*.*//p';\
eval $xcscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
    eval $xrun
else
$nm -p $* 2>/dev/null >libc.tmp
$grep fprintf libc.tmp > libc.ptf
if com="$sed -n -e 's/.* [ADTSIW] *_[_].*/p' -e 's/.* [ADTSIW] //p';\

```

```

eval $xscan; $contains '^fprintf$' libc.list >/dev/null 2>&1
then
nm_opt='-p'
eval $xrun
else
echo " "
echo "$nm didn't seem to work right. Trying $ar instead..." >&4
com=""
if $ar t $libc > libc.tmp && \
$contains '^fprintf$' libc.tmp >/dev/null 2>&1
then
for thisname in $libnames $libc; do
$ar t $thisname >>libc.tmp
done
$sed
-e "s/\\$_o\\$/" < libc.tmp > libc.list
echo "Ok." >&4
elif test "X$osname" = "Xos2" && $ar tv $libc > libc.tmp; then
?X: Repeat libc to extract forwarders to DLL entries too
for thisname in $libnames $libc; do
$ar tv $thisname >>libc.tmp
?X: Revision 50 of EMX has bug in ar: it will not extract forwarders
?X: to DLL entries. Use emximp which will extract exactly them.
emximp -o tmp.imp $thisname \
2>/dev/null && \
$sed -e 's/^\([_a-zA-Z0-9]*\) .*$/1/p' \
< tmp.imp >>libc.tmp
$rm -f tmp.imp
done
$sed -e "s/\\$_o\\$/" -e 's/^\|+/' < libc.tmp > libc.list
echo "Ok." >&4
else
echo "$ar didn't seem to work right." >&4
echo "Maybe this is a Cray...trying bld instead..." >&4
if
bld t $libc | \
$sed -e 's/.*/' -e "s/\\$_o:.*/" > libc.list &&
$test -s libc.list
then
for thisname in $libnames; do
bld t $libnames | \
$sed -e 's/.*/' -e "s/\\$_o:.*/" >>libc.list
$ar t $thisname >>libc.tmp
done
echo
"Ok." >&4
else
echo "That didn't work either." >&4

```



```

echo "No problem, I'll be compiling test programs then..." >&4
runnm=false
fi
fi
fi
fi
nm_extract="$com"
if $test -f /lib/syscalls.exp; then
echo " "
echo "Also extracting names from /lib/syscalls.exp for good ole AIX..." >&4
$sed -n 's/^\([^ ]*\)[ ]*syscall[0-9]*[ ]*$/1/p' \
/lib/syscalls.exp >>libc.list
fi
?X: remember, indentation is wrong on purpose--RAM
;;
esac
$rm -f libnames libpath

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/libc.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fseeko: Inlibc longsize

?MAKE: -pick add \$@ %<

?S:d\_fseeko:

?S: This variable conditionally defines the HAS\_FSEEKO symbol, which

?S: indicates to the C program that the fseeko() routine is available.

?S:.

?C:HAS\_FSEEKO:

?C: This symbol, if defined, indicates that the fseeko routine is

?C: available to fseek beyond 32 bits (useful for ILP32 hosts).

?C:.

?H:#\$d\_fseeko HAS\_FSEEKO /\*\*/

?H:.

?LINT:set d\_fseeko

: see if fseeko exists

set fseeko d\_fseeko

eval \$inlibc

case "\$longsize" in

8) echo "(Your long is 64 bits, so you could use fseek.)" ;;

esac

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fseeko.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS: You may reuse parts of this distribution only within the terms of

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: nblock\_io.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 16:17:14 ram

?RCS: patch61: simplify here document for shells that can't handle them well

?RCS: patch61: force use of "startsh" at the head of the generated script

?RCS: patch61: added new files to the ?F: metalint hint

?RCS:

?RCS: Revision 3.0.1.1 1995/07/25 14:13:22 ram

?RCS: patch56: created

?RCS:

?X:

?X: Simplify here document for shells that can't handle them well.

?X: (Problem reported on FreeBSD; it's unclear if this helps.) --AD

?X:

?MAKE:o\_nonblock

eagain rd\_nodata d\_eofnblk: cat rm\_try +cc +ccflags +ldflags \  
d\_open3 h\_sysfile h\_fcntl signal\_t hint Oldconfig Setvar startsh Warn

?MAKE: -pick add \$@ %<

?S:o\_nonblock:

?S: This variable bears the symbol value to be used during open() or fcntl()

?S: to turn on non-blocking I/O for a file descriptor. If you wish to switch

?S: between blocking and non-blocking, you may try ioctl(FIOSNBIO) instead,

?S: but that is only supported by some devices.

?S:.

?S:eagain:

?S: This variable bears the symbolic errno code set by read() when no

?S: data is present on the file and non-blocking I/O was enabled (otherwise,

?S: read() blocks naturally).

?S:.

?S:rd\_nodata:

?S: This variable holds the return code from read() when no data is

?S: present. It should be -1, but some systems return 0 when O\_NDELAY is

?S: used, which is a shame because you cannot make the difference between

?S: no data and an EOF.. Sigh!

?S:.

?S:d\_eofnblk:

?S: This variable conditionally defines EOF\_NONBLOCK

if EOF can be seen

?S: when reading from a non-blocking I/O source.

?S:.

?C:VAL\_O\_NONBLOCK:

?C: This symbol is to be used during open() or fcntl(F\_SETFL) to turn on

?C: non-blocking I/O for the file descriptor. Note that there is no way

?C: back, i.e. you cannot turn it blocking again this way. If you wish to

?C: alternatively switch between blocking and non-blocking, use the

?C: ioctl(FIOSNBIO) call instead, but that is not supported by all devices.

?C:.

?C:VAL\_EAGAIN:

?C: This symbol holds the errno error code set by read() when no data was

?C: present on the non-blocking file descriptor.

?C:.

?C:RD\_NODATA:

?C: This symbol holds the return code from read() when no data is present

?C: on the non-blocking file descriptor. Be careful! If EOF\_NONBLOCK is

?C: not defined, then you can't distinguish between no data and EOF by

?C: issuing a read(). You'll have to find another way to tell for sure!

?C:.

?C:EOF\_NONBLOCK:

?C: This symbol, if defined, indicates to the C program that a read() on

?C: a

non-blocking file descriptor will return 0 on EOF, and not the value

?C: held in RD\_NODATA (-1 usually, in that case!).

?C:.

?H:#define VAL\_O\_NONBLOCK \$o\_nonblock

?H:#define VAL\_EAGAIN \$again

?H:#define RD\_NODATA \$rd\_nodata

?H:#\$d\_eofnblk EOF\_NONBLOCK

?H:.

?F:!try !try.out !try.ret !try.err !mtry

?T:status

?LINT:use d\_open3

: check for non-blocking I/O stuff

case "\$h\_sysfile" in

true) echo "#include <sys/file.h>" > head.c;;

\*)

case "\$h\_fcntl" in

true) echo "#include <fcntl.h>" > head.c;;

\*) echo "#include <sys/fcntl.h>" > head.c;;

esac

::

```

esac
echo " "
echo "Figuring out the flag used by open() for non-blocking I/O..." >&4
case "$o_nonblock" in
")
$cat head.c > try.c
$cat >>try.c <<'EOCP'
int main() {
#ifdef O_NONBLOCK
printf("O_NONBLOCK\n");
exit(0);
#endif
#ifdef O_NDELAY
printf("O_NDELAY\n");
exit(0);
#endif
?X: Stevens "Advanced Programming in the UNIX Environment" page 364 mentions
?X: the FNDELAY symbol, used in 4.33BSD (source: Paul Marquess).
#ifdef FNDELAY
printf("FNDELAY\n");
exit(0);
#endif
exit(0);
}
EOCP
if
$cc $ccflags $ldflags -o try try.c >/dev/null 2>&1; then
o_nonblock=`./try`
case "$o_nonblock" in
") echo "I can't figure it out, assuming O_NONBLOCK will do.";;
*) echo "Seems like we can use $o_nonblock.";;
esac
else
echo "(I can't compile the test program; pray O_NONBLOCK is right!)"
fi
;;
*) echo "Using $hint value $o_nonblock.";;
esac
$rm_try

echo " "
echo "Let's see what value errno gets from read() on a $o_nonblock file..." >&4
case "$eagain" in
")
$cat head.c > try.c
$cat >>try.c <<'EOCP'
#include <errno.h>
#include <sys/types.h>

```

```

#include <signal.h>
#define MY_O_NONBLOCK $o_nonblock
extern int errno;
$signal_t blech(x) int x; { exit(3); }
EOCP
$cat >> try.c <<'EOCP'
int main()
{
int pd[2];
int pu[2];
char buf[1];
char string[100];

pipe(pd); /* Down: child -> parent */
pipe(pu); /* Up: parent -> child */
if (0 != fork()) {
int ret;
close(pd[1]); /* Parent reads from pd[0] */
close(pu[0]); /*
Parent writes (blocking) to pu[1] */
if (-1 == fcntl(pd[0], F_SETFL, MY_O_NONBLOCK))
exit(1);
signal(SIGALRM, blech);
alarm(5);
if ((ret = read(pd[0], buf, 1)) > 0) /* Nothing to read! */
exit(2);
sprintf(string, "%d\n", ret);
write(2, string, strlen(string));
alarm(0);
#ifdef EAGAIN
if (errno == EAGAIN) {
printf("EAGAIN\n");
goto ok;
}
#endif
#ifdef EWOULDBLOCK
if (errno == EWOULDBLOCK)
printf("EWOULDBLOCK\n");
#endif
ok:
write(pu[1], buf, 1); /* Unblocks child, tell it to close our pipe */
sleep(2); /* Give it time to close our pipe */
alarm(5);
ret = read(pd[0], buf, 1); /* Should read EOF */
alarm(0);
sprintf(string, "%d\n", ret);
write(3, string, strlen(string));
exit(0);

```

```

}

close(pd[0]); /* We write to pd[1] */
close(pu[1]); /* We read from pu[0] */
read(pu[0], buf, 1); /* Wait for parent to signal us we may continue */
close(pd[1]); /* Pipe pd is now fully closed! */
exit(0); /* Bye bye, thank you for playing!
*/
}

```

## EOCP

```

if $cc $cflags $ldflags -o try try.c >/dev/null 2>&1; then
?X: Use script to avoid the possible 'alarm call' message
echo "$startsh" >mtry
echo "./try >try.out 2>try.ret 3>try.err || exit 4" >>mtry
chmod +x mtry
./mtry >/dev/null 2>&1
case $? in
0) eagain=`$cat try.out`;
1) echo "Could not perform non-blocking setting!";;
2) echo "I did a successful read() for something that was not there!";;
3) echo "Hmm... non-blocking I/O does not seem to be working!";;
*) echo "Something terribly wrong happened during testing.";;
esac
rd_nodata=`$cat try.ret`
echo "A read() system call with no data present returns $rd_nodata."
case "$rd_nodata" in
0|-1) ;;
*)
echo "(That's peculiar, fixing that to be -1.)"
rd_nodata=-1
;;
esac
case "$eagain" in
")
echo "Forcing errno EAGAIN on read() with no data available."
eagain=EAGAIN
;;
*)
echo "Your read() sets errno to $eagain when no data is available."
;;
esac
status=`$cat
try.err`
case "$status" in
0) echo "And it correctly returns 0 to signal EOF.";;
-1) echo "But it also returns -1 to signal EOF, so be careful!";;
*) echo "However, your read() returns '$status' on EOF??";;
esac

```

```

val="$define"
if test "$status" = "$rd_nodata"; then
./warn "your read() can't distinguish between EOF and no data!"
val="$undef"
fi
else
echo "I can't compile the test program--assuming errno EAGAIN will do."
eagain=EAGAIN
fi
set d_eofnblk
eval $setvar
;;
*)
echo "Using $hint value $eagain."
echo "Your read() returns $rd_nodata when no data is present."
case "$d_eofnblk" in
"$define") echo "And you can see EOF because read() returns 0.>";;
"$undef") echo "But you can't see EOF status from read() returned value.>";;
*)
?X: Should not happen, but if it does, assume the worst!
echo "(Assuming you can't see EOF status from read anyway.)"
d_eofnblk=$undef
;;
esac
;;
esac
$rm_try head.c mtry

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/nblock_io.U
```

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?RCS: \$Id: Loc.U 14 2006-08-28 16:51:14Z rmanfredi \$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Loc.U,v \$

?RCS: Revision 3.0.1.10 1997/02/28 15:04:16 ram

?RCS: patch61: allow users to specify paths on the command line

?RCS: patch61: will now substitute cp for ln if not supported

?RCS:

?RCS: Revision 3.0.1.9 1995/09/25 09:11:24 ram  
?RCS: patch59: commented the purpose of the #un-def directive  
?RCS: patch59: abort Configure run when mandatory command is missing  
?RCS:  
?RCS: Revision 3.0.1.8 1995/07/25 13:40:40 ram  
?RCS: patch56: now knows about  
OS/2 platforms  
?RCS:  
?RCS: Revision 3.0.1.7 1995/01/11 15:13:37 ram  
?RCS: patch45: protected "sh -c" within backquotes for Linux and SGI  
?RCS: patch45: added path lookup for the 'comm' program  
?RCS:  
?RCS: Revision 3.0.1.6 1994/10/29 15:56:14 ram  
?RCS: patch36: added ?F: line for metalint file checking  
?RCS: patch36: be careful and guard against wildcard searching (ADO)  
?RCS:  
?RCS: Revision 3.0.1.5 1994/06/20 06:54:55 ram  
?RCS: patch30: now locates find  
?RCS:  
?RCS: Revision 3.0.1.4 1994/05/13 15:18:15 ram  
?RCS: patch27: added byacc to the trylist (ADO)  
?RCS: patch27: lint lines reformatted (ADO)  
?RCS:  
?RCS: Revision 3.0.1.3 1994/01/24 14:01:44 ram  
?RCS: patch16: added metalint hint on changed PATH variable  
?RCS:  
?RCS: Revision 3.0.1.2 1993/12/15 08:16:52 ram  
?RCS: patch15: now set \_test variable when test is built-in  
?RCS: patch15: fixed rare cases where echo is not needed  
?RCS:  
?RCS: Revision 3.0.1.1 1993/09/13 15:47:13 ram  
?RCS: patch10: test program not always  
in /bin/test (WAD)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:05 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This unit produces a shell script "loc" which can be used to find out  
?X: where in a list of directories something is. It then uses loc to  
?X: determine the location of commonly used programs. It leaves loc sitting  
?X: around for other Configure units to use, but arranges for its demise  
?X: at the end of Configure.  
?X:  
?X: To add a new program to find, add it both to the ?MAKE: line and to either  
?X: the loclist or trylist variable.  
?X:  
?X: I put startsh at the end of the dependency list, in order to avoid the



?X: loading of the spitshell unit before the instructions.

?X:

```
?MAKE:Loc awk ar bash bison byacc cat chgrp chmod chown \  
comm compress cp cpio cpp csh date echo egrep emacs expr find flex \  
gmake gzip grep inews ksh less line lint ln lp lpr ls mail mailx \  
make mkdir more mv nm nroff perl pg pmake pr rm rmail sed sendmail \  
shar sleep smail sort  
submit tail tar tbl tee test touch tr troff \  
uname uniq uuname vi zcat zip: eunicefix n c startsh Instruct sysroot
```

?MAKE: -pick weed \$@ %<

```
?LINT:describe awk ar bash bison byacc cat chgrp chmod chown \  
comm compress cp cpio cpp csh date echo egrep emacs expr find flex \  
gmake gzip grep inews ksh less line lint ln lp lpr ls mail mailx \  
make mkdir more mv nm nroff perl pg pmake pr rm rmail sed sendmail \  
shar sleep smail sort submit tail tar tbl tee test touch tr troff \  
uname uniq uuname vi zcat zip
```

?V::pth loclist trylist

?F:./loc test\_h

?T:thisthing thing xxx dir file say \_test DJGPP

?LINT:change PATH \_egrep \_ln \_make \_less

?LINT:extern \_exe

: find out where common programs are

echo " "

echo "Locating common programs..." >&4

cat <<EOESC >loc

\$startsh

case \$# in

0) exit 1;;

esac

thing=\${1}

shift

dflt=\${1}

shift

for dir in \\*; do

case "\\$thing" in

.)

if test -d \\$dir/\\$thing; then

echo \\$dir

exit 0

fi

::

\*)

?X: Be careful in case thing includes wildcards that might expand  
to multiple

?X: files. Choose the last one. This happens when searching for shared

?X: libraries with version numbers. How to choose which one we want is

?X: probably an insoluble problem, in general.

?X: Some folks leave things like libc.so.orig around w/o read

```

?X: permission. A -r test would handle that, but since ./loc is
?X: also used to find executables (which are installed w/o read
?X: permission on SCO ODT 3.0, we can't include the -r test.
?X: If you need to use an _exe that is different from .exe
?X: you need to set it in Head.U.
for thisthing in \${dir}/${thing}; do
: just loop through to pick last item
done
if test -f \${thisthing}; then
echo \${thisthing}
exit 0
elif test "X$_exe" != X -a -f \${thisthing}$_exe; then
echo \${thisthing}
exit 0
elif test -f \${dir}/${thing}.exe; then
if test -n "$DJGPP"; then
echo \${dir}/${thing}.exe
elif test "$eunicefix" != ":"; then
: on Eunice apparently
echo \${dir}/${thing}
fi
exit 0
fi
;;
esac
done
echo \${dflt}
exit
1
EOSC
chmod +x loc
$eunicefix loc
loclist=""
?awk:awk
?cat:cat
?chgrp:chgrp
?chmod:chmod
?chown:chown
?comm:comm
?cp:cp
?echo:echo
?expr:expr
?find:find
?grep:grep
?ls:ls
?mkdir:mkdir
?mv:mv
?rm:rm

```

?sed:sed  
?sleep:sleep  
?sort:sort  
?tail:tail  
?touch:touch  
?tr:tr  
?uniq:uniq  
"  
trylist="  
?Mcc:Mcc  
?ar:ar  
?bash:bash  
?bison:bison  
?byacc:byacc  
?compress:compress  
?cpio:cpio  
?cpp:cpp  
?csh:csh  
?date:date  
?egrep:egrep  
?emacs:emacs  
?flex:flex  
?gmake:gmake  
?gzip:gzip  
?inews:inews  
?ksh:ksh  
?less:less  
?line:line  
?lint:lint  
?ln:ln  
?lp:lp  
?lpr:lpr  
?mail:mail  
?mailx:mailx  
?make:make  
?more:more  
?nm:nm  
?nroff:nroff  
?perl:perl  
?pg:pg  
?pmake:pmake  
?pr:pr  
?rmail:rmail  
?sendmail:sendmail  
?shar:shar  
?smail:smail  
?submit:submit  
?tar:tar

```

?tbl:tbl
?tee:tee
?test:test
?troff:troff
?uname:uname
?uuname:uuname
?vi:vi
?zcat:zcat
?zip:zip
"
?LINT:set awk ar bash bison byacc cat chgrp chmod chown \
comm compress cp cpio cpp csh date echo emacs expr find flex \
gmake gzip grep inews ksh line lint lp lpr ls mail mailx
\
mkdir more mv nm nroff perl pg pmake pr rm rmail sed sendmail \
shar sleep smail sort submit tail tar tbl tee touch tr troff \
uname uniq uuname vi zcat zip
pth=`echo $PATH | sed -e "s/$p_/ /g"`
pth="$pth $sysroot/lib $sysroot/usr/lib"
for file in $loclist; do
?X:
?X: Allow them to -Dmake=pmake on the command line for instance...
?X: If the file is not fully qualified, as in -Dmake=pmake, then we
?X: look the for the specified command (pmake here). If they say
?X: -Dmake=/sbin/make for instance, then we make sure the file
?X: exists, or we die...
?X:
eval xxx=\$$file
case "$xxx" in
/*|?:[\\/]*)
if test -f "$xxx"; then
: ok
else
echo "WARNING: no $xxx -- ignoring your setting for $file." >&4
xxx=`./loc $file $file $pth`
fi
;;
*) xxx=`./loc $file $file $pth`;
*) xxx=`./loc $xxx $xxx $pth`;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
echo $file is in $xxx.
;;
?X: Under OS/2, we have PC-like paths
?:[\\/]*)

```

```

echo $file is in $xxx.
;;
*)
echo
"I don't know where '$file' is, and my life depends on it." >&4
echo "Go find a public domain implementation or fix your PATH setting!" >&4
exit 1
;;
esac
done
echo " "
echo "Don't worry if any of the following aren't found..."
say=offhand
for file in $trylist; do
?X: Allow them to -Dmake=pmake on the command line for instance (see above)
eval xxx=\$$file
case "$xxx" in
/*|?:[\\|/]*)
if test -f "$xxx"; then
: ok
else
echo "WARNING: no $xxx -- ignoring your setting for $file." >&4
xxx=`./loc $file $file $pth`
fi
;;
*) xxx=`./loc $file $file $pth`;
*) xxx=`./loc $xxx $xxx $pth`;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
echo $file is in $xxx.
;;
?X: Under OS/2, we have PC-like paths
?:[\\|/]*)
echo $file is in $xxx.
;;
*)
echo "I don't see $file out there, $say."
say=either
;;
esac
done
case "$egrep" in
egrep)
echo "Substituting grep for egrep."
egrep=$grep

```

```

_egrep=$grep
;;
esac
@if less
case "$less"
in
") ;;
*) if $less -R </dev/null >/dev/null 2>&1; then
    echo "Substituting less -R for less."
    less="$less -R"
    _less=$less
fi
;;
esac
@end
@if ln
case "$ln" in
ln)
    echo "Substituting cp for ln."
    ln=$cp
    _ln=$cp
    ;;
esac
@end
@if make || gmake
case "$make" in
make)
case "$gmake" in
gmake)
    echo "I can't find make or gmake, and my life depends on it." >&4
    echo "Go find a public domain implementation or fix your PATH setting!" >&4
    exit 1
    ;;
esac
;;
esac
case "$gmake" in
gmake) ;;
*) # We can't have osname yet.
if test -f "/system/gnu_library/bin/ar.pm"; then # Stratus VOS
# Assume that gmake, if found, is definitely GNU make
# and prefer it over the system make.
echo "Substituting gmake for make."
make=$gmake
_make=$gmake
fi
;;
esac

```

```

@end
case "$test" in
test)
echo "Hopefully test is built into your sh."
;;
*)
if `sh -c "PATH= test true" >/dev/null 2>&1`; then
echo "Using the test built into your sh."
?X:
?X: We need to set both test
and _test, since Oldconfig.U will use the _test
?X: value to systematically restore computed paths, which may be wrong if
?X: we choose to load an old config.sh generated on another platform.
?X:
test=test
_test=test
fi
;;
esac
?LINT:change n c
case "$echo" in
echo)
echo "Hopefully echo is built into your sh."
;;
?X: For those rare cases where we don't need $echo...
") ;;
*)
echo " "
echo "Checking compatibility between $echo and builtin echo (if any)..." >&4
$echo $n "hi there$c" >foo1
echo $n "hi there$c" >foo2
if cmp foo1 foo2 >/dev/null 2>&1; then
echo "They are compatible. In fact, they may be identical."
else
case "$n" in
'-n') n=" c='\c';;
*) n='-n' c="";;
esac
cat <<FOO
They are not compatible! You are probably running ksh on a non-USG system.
I'll have to use $echo instead of the builtin, since Bourne shell doesn't
have echo built in and we may have to run some Bourne shell scripts. That
means I'll have to use '$n$c' to suppress newlines now.
Life is ridiculous.

FOO
$echo $n "The star should be here-->$c"
$echo "*"

```

```
fi
$rm -f foo1 foo2
;;
esac
```

```
?X: The next part is irrelevant to the real process
# This question was auctioned at YAPC::Europe-2007 in Vienna
# I never promised you could answer it. I only auctioned the question.
cat <<FOO
The following message is sponsored by
```

Dresden.pm<--The stars should be here.

Dear Perl user, system administrator or package maintainer, the Perl community sends greetings to you. Do you (emblematical) greet back [Y/n]? n

FOO

```
Found in path(s):
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Loc.U
No license file was found, but licenses were detected in source scan.
```

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2001 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:run to from targetarch targetdir targetmkdir targethost targetport \
  usecrosscompile hostperl hostgenerate hostosname targetenv: \
  src test rm echo sed mkdir cp chmod make touch
?MAKE: -pick add $@ %<
?Y:TOP
?S:usecrosscompile:
?S: This variable conditionally defines the USE_CROSS_COMPILE symbol,
?S: and indicates that Perl has been cross-compiled.
?S:.
?S:run:
?S: This variable contains the command used by Configure
?S: to copy and execute a cross-compiled executable in the
?S: target host. Useful and available only during Perl build.
?S: Empty string " if not cross-compiling.
?S:.
?S:from:
?S: This variable contains the command used by Configure
```



?S: to copy files from the target host. Useful and available

?S: only during Perl build.

?S: The string '.' if not cross-compiling.

?S:.

?S:to:

?S: This variable contains the command used by Configure

?S: to copy to from the target host. Useful and available

?S: only during Perl build.

?S: The string '.' if not cross-compiling.

?S:.

?S:targetarch:

?S: If cross-compiling, this variable contains the target architecture.

?S: If not, this will be empty.

?S:.

?S:targetdir:

?S: This variable contains a path that will be created on the target

?S: host using targetmkdir, and then used to copy the cross-compiled

?S: executables to. Defaults to '/tmp' if not set.

?S:.

?S:targetmkdir:

?S: This variable contains the command used by Configure to create a

?S: new directory on the target host.

?S:.

?S:targethost:

?S: This variable contains the name of a separate host machine that

?S: can be used to run compiled test programs and perl tests on.

?S: Set to empty string if not in use.

?S:.

?S:targetport:

?S: This variable contains the number

?S: of a network port to be used to

?S: connect to the host in targethost, if unset defaults to 22 for ssh.

?S:.

?S:hostperl:

?S: This variable contains the path to a miniperl binary that can be

?S: run on the host OS when cross-compiling. Useful and available only

?S: during Perl build.

?S: Empty string "" if not cross-compiling.

?S:.

?S:hostgenerate:

?S: This variable contains the path to a generate\_uudmap binary that

?S: can be run on the host OS when cross-compiling. Useful and

?S: available only during Perl build.

?S: Empty string "" if not cross-compiling.

?S:.

?S:hostosname:

?S: This variable contains the original value of '\$^O' for hostperl

?S: when cross-compiling. This is useful to pick the proper tools

?S: when running build code in the host.

?S: Empty string " if not cross-compiling.

?S:.

?S:targetenv:

?S: If cross-compiling, this variable can be used to modify the

?S: environment on the target system.

?S: However, how and where it's used, and even if it's used at all, is

?S: entirely

dependent on both the transport mechanism (targetrun) and

?S: what the target system is. Unless the relevant documentation says

?S: otherwise, it is generally not useful.

?S:.

?C:USE\_CROSS\_COMPILE:

?C: This symbol, if defined, indicates that Perl is being cross-compiled.

?C:.

?C:PERL\_TARGETARCH:

?C: This symbol, if defined, indicates the target architecture

?C: Perl has been cross-compiled to. Undefined if not a cross-compile.

?C:.

?H:?%<:#ifndef USE\_CROSS\_COMPILE

?H:?%<:#\$usecrosscompile USE\_CROSS\_COMPILE /\*\*/

?H:?%<:#define PERL\_TARGETARCH "\$targetarch" /\*\*/

?H:?%<:#endif

?H:.

?D:targetenv="

?D:targethost="

?D:targetmkdir="

?T:croak pwd exe f q cwd file xxx env

?LINT:extern usecrosscompile

?LINT:extern cc

?LINT:extern ushrc

?LINT:change ar

?LINT:change nm

?LINT:change ranlib

?LINT:change src

?LINT:extern targetenv

?LINT:extern targetport

?LINT:extern targetdir

?LINT:extern targetuser

?LINT:change targetuser

?LINT:extern targetrun

?LINT:extern targetfrom

?LINT:extern

targetto

?LINT:change targetrun

?LINT:change targetfrom

?LINT:change targetto

```

?LINT:extern incpth
?LINT:extern libpth
?LINT:extern locincpth
?LINT:extern loclibpth
?LINT:change locincpth
?LINT:change loclibpth
?LINT:extern hostperl
?LINT:extern hostgenerate
?LINT:extern before_host
?LINT:change before_host
?LINT:extern hostosname
?LINT:extern multiarch
: Check for Cross-Compilation
?X: targethost and targetenv mainly set to allow ?S: documentation
?X: otherwise it could have been declared extern
if $test "X$targethost" = "X"; then
    targethost=""
fi
if $test "X$targetenv" = "X"; then
    targetenv=""
fi
case "$usecrosscompile" in
$define|true|[yY]*)
    $echo "Cross-compiling..."
    croak="
case "$cc" in
*-gcc*|*-g++*) # A cross-compiling gcc, probably.
    # arm-linux-androideabi-gcc -> arm-linux-androideabi
    # x86_64-w64-mingw32-gcc.exe -> x86_64-w64-mingw32
    targetarch=`$echo $cc|$sed 's/-g[c+][c+].*$/^`
    ar=`$echo $cc|$sed 's/-g[c+][c+]/-ar/^`
    # leave out ld,
choosing it is more complex
    nm=`$echo $cc|$sed 's/-g[c+][c+]/-nm/^`
    ranlib=`$echo $cc|$sed 's/-g[c+][c+]/-ranlib/^`
    # We are in a weird spot. Just before us, some values
    # were 'saved', to be restored after the hints are
    # run. This means that the changes we made to ar,
    # nm and ranlib will get reverted.
    # To avoid that, we hijack the saving mechanism and
    # have it save our new values.
    for file in ar nm ranlib; do
eval xxx=\$$file
eval $file=$xxx$_exe
eval _$file=$xxx
    done
;;
esac

```

```

case "$targetarch" in
") echo "Targetarch not defined." >&4; croak=y ;;
*) echo "Using targetarch $targetarch." >&4 ;;
esac
case "$targethost" in
") echo "Targethost not defined." >&4; croak=n ;;
*) echo "Using targethost $targethost." >&4
esac
locincpth=''
loclibpth=''
case "$croak" in
y) echo "Cannot continue, aborting." >&4; exit 1 ;;
esac
: compile a host miniperl and generate_uudmap, unless we got passed them
if
$test "X$hostperl" = X; then
    echo "Building host miniperl and generate_uudmap binaries" >&4
    before_host=`pwd`
    cd ..
    cd $src
    src=`pwd`
    rm -rf $src/host
    mkdir $src/host
    cd $src/host
    $src/Configure -des -Dusedevel -Dmksymlinks
    $make miniperl
    case "$hostgenerate" in
") $make generate_uudmap
    hostgenerate=$src/host/generate_uudmap
    ;;
"$undef") hostgenerate="
    ;;
esac
    hostperl=$src/host/miniperl
    cd $before_host
fi
hostosname=`$hostperl -le 'print $^O`
;;
*)
    usecrosscompile="$undef"
    ;;
esac

: Define -Dtargethost=somecomputer to run compiled tests on another machine
case "$targethost" in
") echo "Checking for cross-compile" >&4
case "$usecrosscompile$multiarch" in
*$define*) echo "Skipping the try tests in the rest of Configure as no targethost was defined when cross-

```

```

compiling" >&4
    if [ -f Makefile ]; then
        echo
    " "
        echo "Now you must ensure config.sh, config.h and the generated headers exist and run a $make."
    else
        echo "Configure done."
    fi
exit 0
;;
*) echo "No targethost for running compiler tests against defined, running locally" >&4
    run="
    to=:
    from=:
    ;;
esac
;;
*) echo "Using targethost $targethost." >&4
case "$src" in
/*) run=$src/Cross/run
    targetmkdir=$src/Cross/mkdir
    to=$src/Cross/to
    from=$src/Cross/from
    ;;
*) pwd=`$test -f ../Configure & cd ..; pwd`
    run=$pwd/Cross/run
    targetmkdir=$pwd/Cross/mkdir
    to=$pwd/Cross/to
    from=$pwd/Cross/from
    ;;
esac
case "$targetrun" in
") targetrun=ssh ;;
esac
case "$targetto" in
") targetto=scp ;;
esac
case "$targetfrom" in
") targetfrom=scp ;;
esac
run=$run-$targetrun
to=$to-$targetto
from=$from-$targetfrom
case "$targetdir" in
") targetdir=/tmp
    echo "Guessing targetdir $targetdir."
>&4
    ;;

```

```

esac
case "$targetuser" in
") targetuser=root
    echo "Guessing targetuser $targetuser." >&4
    ;;
esac
case "$targetport" in
") targetport=22
    echo "Guessing targetport $targetport." >&4
    ;;
esac
case "$targetfrom" in
scp) q=-q ;;
*) q=" " ;;
esac
case "$targetrun" in
ssh|rsh)
    cat >$run <<EOF
#!/bin/sh
env="
case "$1" in
-cwd)
    shift
    cwd=$1
    shift
    ;;
esac
case "$1" in
-env)
    shift
    env=$1
    shift
    ;;
esac
case "$1" in
) cwd=$targetdir ;;
esac
exe=$1
shift
$to $exe
$targetrun -p $targetport -l $targetuser $targethost "cd $1 && $env $exe $@"
EOF
    ;;
adb)
    $touch $run
    ;;
*) echo "Unknown targetrun '$targetrun'" >&4
    exit 1

```

```

;;
esac
case "$targetmkdir" in
*/Cross/mkdir)
    cat >$targetmkdir <<EOF
#!/bin/sh
$targetrun -p $targetport -l $targetuser $targethost "mkdir -p \$@"
EOF
    $chmod a+rx $targetmkdir
;;
*) echo "Unknown targetmkdir '$targetmkdir'" >&4
    exit 1
;;
esac
case
"$targetto" in
scp|rcp)
    cat >$to <<EOF
#!/bin/sh
for f in \$@
do
case "\$f" in
/*)
    $targetmkdir `dirname \$f`
    $targetto -P $targetport -r $q \$f $targetuser@$targethost:\$f 2>/dev/null || exit 1
;;
*)
    $targetmkdir $targetdir/`dirname \$f`
    $targetto -P $targetport -r $q \$f $targetuser@$targethost:$targetdir/\$f 2>/dev/null || exit 1
;;
esac
done
exit 0
EOF
;;
cp) cat >$to <<EOF
#!/bin/sh
for f in \$@
do
case "\$f" in
/*)
    $mkdir -p $targetdir/`dirname \$f`
    $cp \$f $targetdir/\$f || exit 1
;;
*)
    $targetmkdir $targetdir/`dirname \$f`
    $cp \$f $targetdir/\$f || exit 1
;;

```

```

esac
done
exit 0
EOF
;;
*) echo "Unknown targetto '$targetto'" >&4
  exit 1
;;
esac
case "$targetfrom" in
scp|rcp)
  cat >$from <<EOF
#!/bin/sh
for f in \${@}
do
  $rm -f \${f}
  $targetfrom -P $targetport $q $targetuser@$targethost:$targetdir/\${f} . || exit 1
done
exit 0
EOF
;;
cp) cat >$from <<EOF
#!/bin/sh
for
f in \${@}
do
  $rm -f \${f}
  cp $targetdir/\${f} . || exit 1
done
exit 0
EOF
;;
*) echo "Unknown targetfrom '$targetfrom'" >&4
  exit 1
;;
esac
if $test ! -f $run; then
  echo "Target 'run' script '$run' not found." >&4
else
  $chmod a+rx $run
fi
if $test ! -f $to; then
  echo "Target 'to' script '$to' not found." >&4
else
  $chmod a+rx $to
fi
if $test ! -f $from; then
  echo "Target 'from' script '$from' not found." >&4

```



```

else
    $chmod a+rx $from
fi
if $test ! -f $run -o ! -f $to -o ! -f $from; then
    exit 1
fi
cat >&4 <<EOF

```

Using '\$run' for remote execution,  
and '\$from' and '\$to'  
for remote file transfer.

```

EOF
;;
*) run="
to=:
from=:
usecrosscompile="$undef"
targetarch="
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/Cross.U

```

No license file was found, but licenses were detected in source scan.

?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.

?RCS:

?MAKE:i\_fenv: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_fenv:

?S: This variable conditionally defines the I\_FENV symbol, which

?S: indicates to the C program that <fenv.h> exists and should

?S: be included.

?S:.

?C:I\_FENV:

?C: This symbol, if defined, indicates to the C program that it should

?C: include <fenv.h> to get the floating point environment definitions.

?C:.

?H:#\$i\_fenv I\_FENV /\*\*/

?H:.

?LINT:set i\_fenv

: see if this is a fenv.h system

set fenv.h i\_fenv

eval \$inhdr

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

```

5.30.0/U/perl/i\_fenv.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_sethostent\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_sethostent\_r sethostent\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_sethostent\_r:

?S: This variable conditionally defines the HAS\_SETHOSTENT\_R symbol,

?S: which indicates to the C program that the sethostent\_r()

?S: routine is available.

?S:.

?S:sethostent\_r\_proto:

?S: This variable encodes the prototype of sethostent\_r.

?S: It is zero if d\_sethostent\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_sethostent\_r

?S: is defined.

?S:.

?C:HAS\_SETHOSTENT\_R:

?C: This symbol, if defined, indicates that the sethostent\_r routine

?C: is

available to sethostent re-entrantly.

?C:.

?C:SETHOSTENT\_R\_PROTO:

?C: This symbol encodes the prototype of sethostent\_r.

?C: It is zero if d\_sethostent\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_sethostent\_r

?C: is defined.

?C:.

?H:#\$d\_sethostent\_r HAS\_SETHOSTENT\_R /\*\*/

?H:#define SETHOSTENT\_R\_PROTO \$sethostent\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_sethostent\_r\_proto

: see if sethostent\_r exists

set sethostent\_r d\_sethostent\_r

eval \$inlibc

case "\$d\_sethostent\_r" in

"\$define")

hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_netdb netdb.h"

case "\$d\_sethostent\_r\_proto:\$usethreads" in

":define") d\_sethostent\_r\_proto=define

```

set d_sethostent_r_proto sethostent_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_sethostent_r_proto" in
define)
case "$sethostent_r_proto" in
"|0) try='int sethostent_r(int, struct hostent_data*);'
./protochk "$extern_C $try" $hdrs && sethostent_r_proto=I_ID ;;
esac
case "$sethostent_r_proto" in
"|0) try='void
sethostent_r(int, struct hostent_data*);'
./protochk "$extern_C $try" $hdrs && sethostent_r_proto=V_ID ;;
esac
case "$sethostent_r_proto" in
"|0) d_sethostent_r=undef
sethostent_r_proto=0
echo "Disabling sethostent_r, cannot determine prototype." >&4 ;;
* ) case "$sethostent_r_proto" in
REENTRANT_PROTO*) ;;
*) sethostent_r_proto="REENTRANT_PROTO_${sethostent_r_proto}" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usetthreads" in
define) echo "sethostent_r has no prototype, not using it." >&4 ;;
esac
d_sethostent_r=undef
sethostent_r_proto=0
;;
esac
;;
*) sethostent_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_sethostent_r.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_setlnbuf.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: d\_setlnbuf.U,v \$  
?RCS: Revision 3.0.1.1 1994/08/29 16:11:57 ram  
?RCS: patch32: created by ADO  
?RCS:  
?MAKE:d\_setlinebuf: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_setlinebuf:  
?S: This variable conditionally defines the HAS\_SETLINEBUF symbol, which  
?S: indicates to the C program that the setlinebuf() routine is available  
?S: to change stderr or stdout from block-buffered or unbuffered  
to a  
?S: line-buffered mode.  
?S:.  
?C:HAS\_SETLINEBUF :  
?C: This symbol, if defined, indicates that the setlinebuf routine is  
?C: available to change stderr or stdout from block-buffered or unbuffered  
?C: to a line-buffered mode.  
?C:.  
?H:#\$d\_setlinebuf HAS\_SETLINEBUF /\*\*/  
?H:.  
?LINT:set d\_setlinebuf  
: see if setlinebuf exists  
set setlinebuf d\_setlinebuf  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setlnbuf.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: libnlist.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: libnlist.U,v \$

```

?RCS: Revision 3.0.1.1 1997/02/28 16:08:02 ram
?RCS: patch61: added usrinc and mips on the dependency line
?RCS: patch61: make sure we call ./mips
?RCS: patch61: added a ?LINT: hint
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:00 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libnlist: Loc libpth Guess usrinc _a
?MAKE: -pick add $@ %<
?S:libnlist (libmld):
?S: This variable contains the name of the library required to
get the
?S: definition of the nlist() function. On a MIPS RISC/OS box, it is -lml.
?S: Under Sys Vr4, it is -lelf. Otherwise, its value is empty.
?S:.
?T:xxx
?LINT:use usrinc
: see if we need a special library for 'nlist()'
echo " "
: How about doing this if nlist is not in libc...
if ./mips ; then
libnlist='-lml'
else
xxx=`./loc libelf$_a x $libpth`
case "$xxx" in
x) ;;
*)
libnlist="$xxx"
;;
esac
fi
case "$libnlist" in
") echo "No special library for nlist() seems necessary." >&4
;;
*) echo "nlist() can be found in $libnlist." >&4
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/libnlist.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:

```

?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_vfork.U,v \$  
?RCS: Revision 3.0.1.6 1994/08/29 16:18:21 ram  
?RCS: patch32: set default to 'y' the first time  
?RCS:  
?RCS: Revision 3.0.1.5 1994/06/20 06:59:14 ram  
?RCS: patch30: usevfork was not always properly set  
?RCS:  
?RCS: Revision 3.0.1.4 1994/05/13 15:20:56 ram  
?RCS: patch27: modified to avoid spurious Whoa warnings (ADO)  
?RCS:  
?RCS: Revision 3.0.1.3 1994/05/06 14:59:09 ram  
?RCS: patch23: now explicitly ask whether vfork() should be used (ADO)  
?RCS:  
?RCS: Revision 3.0.1.2 1993/10/16  
13:49:39 ram  
?RCS: patch12: added magic for vfork()  
?RCS:  
?RCS: Revision 3.0.1.1 1993/09/13 16:06:57 ram  
?RCS: patch10: removed automatic remapping of vfork on fork (WAD)  
?RCS: patch10: added compatibility code for older config.sh (WAD)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:07:55 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_vfork usevfork: Inlibc Myread Oldconfig Setvar  
?MAKE: -pick add \$@ %<  
?S:d\_vfork:  
?S: This variable conditionally defines the HAS\_VFORK symbol, which  
?S: indicates the vfork() routine is available.  
?S:.  
?S:usevfork:  
?S: This variable is set to true when the user accepts to use vfork.  
?S: It is set to false when no vfork is available or when the user  
?S: explicitly requests not to use vfork.  
?S:.  
?C:HAS\_VFORK (VFORK):  
?C: This symbol, if defined, indicates that vfork() exists.  
?C:.  
?H:#\$d\_vfork HAS\_VFORK /\*\*/  
?H:.  
?M:vfork: HAS\_VFORK  
?M:#ifndef HAS\_VFORK

```

?M:#define vfork fork
?M:#endif
?M:.
?LINT:set d_vfork
: see if there is a vfork
val="
set
  vfork val
eval $inlibc

: Ok, but do we want to use it. vfork is reportedly unreliable in
: perl on Solaris 2.x, and probably elsewhere.
case "$val" in
$define)
  echo " "
  case "$usevfork" in
  false) dflt='n';;
  *) dflt='y';;
  esac
  rp="Some systems have problems with vfork(). Do you want to use it?"
  . ./myread
  case "$ans" in
  y|Y) ;;
  *)
    echo "Ok, we won't use vfork()."
    val="$undef"
    ;;
  esac
  ;;
esac
;;
esac
?X:
?X: Only set it when final value is known to avoid spurious Whoas
?X: Then set usevfork accordingly to the current value, for next run
?X:
set d_vfork
eval $setvar
case "$d_vfork" in
$define) usevfork='true';;
*) usevfork='false';;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_vfork.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: sitelib.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $

```

```

?RCS:

```

?RCS: Copyright (c) 1996-1998, Andy Dougherty  
?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: sitelib.U,v \$  
?RCS: Revision 1.1 1999/07/08 18:32:57 doughera  
?RCS: Initial revision  
?RCS:  
?RCS: Revision 3.0.1.1 1997/02/28 16:21:35 ram  
?RCS: patch61: created  
?RCS:  
?MAKE:sitelib sitelibexp installsitelib sitelib\_stem: cat Getfile Oldconfig \  
Setprefixvar Prefixit package version sed installstyle siteprefix  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?D:sitelib="  
?S:sitelib:  
?S: This variable contains the  
eventual value of the SITELIB symbol,  
?S: which is the name of the private library for this package. It may  
?S: have a ~ on the front. It is up to the makefile to eventually create  
?S: this directory while performing installation (with ~ substitution).  
?S: The standard distribution will put nothing in this directory.  
?S: After perl has been installed, users may install their own local  
?S: architecture-independent modules in this directory with  
?S: MakeMaker Makefile.PL  
?S: or equivalent. See INSTALL for details.  
?S:.  
?D:sitelibexp="  
?S:sitelibexp:  
?S: This variable is the ~name expanded version of sitelib, so that you  
?S: may use it directly in Makefiles or shell scripts.  
?S:.  
?D:installsitelib="  
?S:installsitelib:  
?S: This variable is really the same as sitelibexp but may differ on  
?S: those systems using AFS. For extra portability, only this variable  
?S: should be used in makefiles.  
?S:.  
?S:sitelib\_stem:  
?S: This variable is \$sitelibexp with any trailing version-specific component  
?S: removed.



The elements in `inc_version_list` (`inc_version_list.U`) can

?S: be tacked onto this variable to generate a list of directories to search.

?S:.

?C:SITELIB:

?C: This symbol contains the name of the private library for this package.

?C: The library is private in the sense that it needn't be in anyone's

?C: execution path, but it should be accessible by the world. The program

?C: should be prepared to do ~ expansion.

?C: The standard distribution will put nothing in this directory.

?C: After perl has been installed, users may install their own local

?C: architecture-independent modules in this directory with

?C: MakeMaker Makefile.PL

?C: or equivalent. See `INSTALL` for details.

?C:.

?C:SITELIB\_EXP:

?C: This symbol contains the ~name expanded version of `SITELIB`, to be used

?C: in programs that are not prepared to deal with ~ expansion at run-time.

?C:.

?C:SITELIB\_STEM:

?C: This define is `SITELIB_EXP` with any trailing version-specific component

?C: removed. The elements in

`inc_version_list` (`inc_version_list.U`) can

?C: be tacked onto this variable to generate a list of directories to search.

?C:.

```
?H:#define SITELIB "$sitelib" /**/
?H:#define SITELIB_EXP "$sitelibexp" /**/
?H:#define SITELIB_STEM "$sitelib_stem" /**/
?H:.
```

?T:prog

?LINT:change prefixvar

?LINT:set installsitelib

?LINT:set sitelib

?LINT:set sitelibexp

: determine where site specific libraries go.

: Usual default is `/usr/local/lib/perl5/site_perl/$version`

: The default "style" setting is made in `installstyle.U`

: XXX No longer works with Prefixit stuff.

?X: remove any trailing -3.0 or other version identification

```
prog=`echo $package | $sed 's/-[0-9.]*$//`
case "$sitelib" in
") case "$installstyle" in
*lib/perl5*) dflt=$siteprefix/lib/$package/site_$prog/$version ;;
*) dflt=$siteprefix/lib/site_$prog/$version ;;
esac
;;
*) dflt="$sitelib"
;;
esac
```

\$cat <<EOM

The installation process will create a directory for site-specific extensions and modules. Most users find it convenient to place all site-specific files in this directory rather than in the main distribution directory.

EOM

fn=d~+

rp='Pathname for the site-specific library files?'

./getfile

prefixvar=sitelib

./setprefixvar

sitelib\_stem=`echo "\$sitelibexp" | sed "s,/\$version\$,,"`

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/sitelib.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_locale.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1996, Andy Dougherty

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_locale.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:48:23 ram

?RCS: patch61: created

?RCS:

?MAKE:i\_locale: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_locale:

?S: This variable conditionally defines the I\_LOCALE symbol,

?S: and indicates whether a C program should include <locale.h>.

?S:.

?C:I\_LOCALE:

?C: This symbol, if defined, indicates to the C program that it should

?C: include <locale.h>.

?C:.

?H:#\$i\_locale I\_LOCALE /\*\*/

?H:.

```
?LINT:set
i_locale
: see if locale.h is available
set locale.h i_locale
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_locale.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_endpwent.U,v $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1998 Andy Dougherty
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?RCS: $Log: d_endpwent.U,v $
```

```
?RCS:
```

```
?MAKE:d_endpwent: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_endpwent:
```

```
?S: This variable conditionally defines the HAS_ENDPWENT symbol, which
```

```
?S: indicates to the C program that the endpwent() routine is available
```

```
?S: for sequential access of the passwd database.
```

```
?S:.
```

```
?C:HAS_ENDPWENT:
```

```
?C: This symbol, if defined, indicates that the getgrent routine is
```

```
?C: available for finalizing sequential access of the passwd database.
```

```
?C:.
```

```
?H:#$d_endpwent HAS_ENDPWENT /**/
```

```
?H:.
```

```
?LINT:set d_endpwent
```

```
: see if endpwent exists
```

```
set endpwent d_endpwent
```

```
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_endpwent.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_setproctitle: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_setproctitle:

?S: This variable conditionally defines the HAS\_SETPROCTITLE symbol,

?S: which indicates to the C program that the setproctitle() routine

?S: is available.

?S:.

?C:HAS\_SETPROCTITLE:

?C: This symbol, if defined, indicates that the setproctitle routine is

?C: available to set process title.

?C:.

?H:#\$d\_setproctitle HAS\_SETPROCTITLE /\*\*/

?H:.

?LINT:set d\_setproctitle

: see if setproctitle exists

set setproctitle d\_setproctitle

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_setproctitle.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getprior.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_getprior.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:16 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_getprior: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getprior:

?S: This variable conditionally defines HAS\_GETPRIORITY if getpriority()

?S: is available to get a process's priority.

?S:.

?C:HAS\_GETPRIORITY (GETPRIORITY):

?C: This symbol, if defined, indicates that the getpriority routine is

?C: available to get a process's priority.

```
?C:
?H:#$d_getprior
HAS_GETPRIORITY /**/
?H:
: see if getpriority exists
?LINT:set d_getprior
set getpriority d_getprior
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_getprior.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: mailfile.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: mailfile.U,v $
?RCS: Revision 3.0.1.2 1994/10/29 16:24:57 ram
?RCS: patch36: the Loc unit was missing from the dependency line
?RCS:
?RCS: Revision 3.0.1.1 1993/12/15 08:22:08 ram
?RCS: patch15: now also looks under /var/mail for BSD/386
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:11 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:mailfile: Myread Oldconfig Filexp Loc
?MAKE: -pick add $@ %<
?S:mailfile:
?S: This variable contains
the eventual value of the MAILFILE symbol,
?S: which contains an interpretable name of the mail spool file for the
?S: current user.
?S:
?C:MAILFILE:
?C: This symbol contains the interpretable name of the mail spool file
?C: for the current user. The program must be prepared to substitute
?C: the HOME directory for %~, and the login id for %L.
?C:
?H:#define MAILFILE "$mailfile" /**/
```

```
?H:
: determine where mail is spooled
case "$mailfile" in
")
dflt=`./loc . XXX /usr/spool/mail /usr/mail /var/mail`
case "$dflt" in
XXX) dflt='%~/mailbox';;
*) dflt="$dflt/%L";;
esac
;;
*) dflt="$mailfile"
;;
esac
cat <<'EOM'
```

In the following question, you may use %~ to represent the user's home directory, and %L to represent a users name.

```
EOM
rp='In which file is yet-to-be-read mail spooled? (~name ok)'
./myread
mailfile=`./filexp "$ans"``
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/mailfile.U
```

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```
?RCS: $Id$
?RCS:
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: charorder.U,v $
?RCS: Revision 3.0.1.1 1994/10/29 16:07:08 ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:33 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:chorder_int chorder_short chorder_long: Myread cat +cc +ccflags rm
?MAKE: -pick add $@ %<
?S:chorder_short (d_cos d_bos):
```

?S: Holds the value describing the byte ordering of characters in a short.  
 ?S: On a Big-Endian machine, that would be "c0c1".  
 ?S:.  
 ?S:chorder\_int  
 (charoder):  
 ?S: Holds the value describing the byte ordering of characters in an int.  
 ?S: For instance, on a Big-Endian machine, this would be: "c0c1c2c3".  
 ?S:.  
 ?S:chorder\_long (d\_col d\_bol):  
 ?S: Holds the value describing the byte ordering of characters in a long.  
 ?S: On a 64 bits Big-Endian machine, that would yield: "c0c1c2c3c4c5c6c7".  
 ?S:.  
 ?C:CHAR\_ORDER\_SHORT:  
 ?C: Holds the byte ordering of characters in a short. It's a string  
 ?C: value like "c0c1" on a Big-Endian machine.  
 ?C:.  
 ?C:CHAR\_ORDER\_INT:  
 ?C: Holds the byte ordering of characters in an int. It's a string  
 ?C: value like "c0c1c2c3" on a Big-Endian machine.  
 ?C:.  
 ?C:CHAR\_ORDER\_LONG:  
 ?C: Holds the byte ordering of characters in a long. It's a string  
 ?C: value like "c0c1c2c3c4c5c6c7" on a 64 bits Big-Endian machine.  
 ?C:.  
 ?H:#define CHAR\_ORDER\_SHORT "\$chorder\_short" /\* byte order in a short \*/  
 ?H:#define CHAR\_ORDER\_INT "\$chorder\_int" /\* byte order in an int \*/  
 ?H:#define CHAR\_ORDER\_LONG "\$chorder\_long" /\* byte order in a long \*/  
 ?H:.  
 ?F:!byteorder  
 :  
 check for character ordering  
 echo " "  
 echo "Checking out byte order..." >&4  
 \$cat >byteorder.c <<'EOCP'  
 #include <stdio.h>  
  
 main(argc, argv)  
 int argc;  
 char \*argv[]; {  
 int i;  
 int max;  
 union {  
 short u\_s;  
 int u\_i;  
 long u\_l;  
 char u\_c[sizeof(long)];  
 } u;  
 switch (argv[1][0]) {

```

case 'l':
    u.u_l = 0L;
    /* HMS: ASSERT: sizeof(long) < 10. */
    for(i = 0; i < sizeof(long); ++i) {
        u.u_l *= 0x100L;
        u.u_l += (0xc0 + i);
    }
    max = sizeof(long);
    break;
case 's':
    u.u_s = 0;
    /* HMS: ASSERT: sizeof(short) < 10. */
    for(i = 0; i < sizeof(short); ++i) {
        u.u_s *= 0x100L;
        u.u_s += (0xc0 + i);
    }
    max = sizeof(short);
    break;
case 'i':
    u.u_i = 0;
    /* RAM: ASSERT: sizeof(int) < 10. */
    for(i = 0; i < sizeof(int); ++i) {
        u.u_l *= 0x100L;
        u.u_l += (0xc0 + i);
    }
    max = sizeof(int);
    break;
default:
    max = 0;
    break;
}
for(i = 0; i < max; i++) {
    printf("%x", u.u_c[i] & 0x00FF);
}
printf("\n");
exit(0);
}
EOCP
if $cc $ccflags -o
byteorder byteorder.c >/dev/null 2>&1 ; then
: null statement
@if chorder_short
    chorder_short=`./byteorder s`
@end
@if chorder_int
    chorder_int=`./byteorder i`
@end
@if chorder_long

```



```

    chorder_long=`./byteorder 1`
@end
else
$cat <<EOM
(I can't seem to get my test program to work.  Guessing 32 bits big-endian.)
EOM
    chorder_short="c0c1"
    chorder_int="c0c1c2c3"
    chorder_long="c0c1c2c3"
fi
@if chorder_short
dflt=$chorder_short
rp='What is the order of characters in a short?'
./myread
chorder_short="$ans"
@end
@if chorder_int
dflt=$chorder_int
rp='What is the order of characters in an int?'
./myread
chorder_int="$ans"
@end
@if chorder_long
dflt=$chorder_long
rp='What is the order of characters in a long?'
./myread
chorder_long="$ans"
@end
$rm -f byteorder* core

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/charorder.U
```

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```
?RCS: $Id: i_stdlib.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
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```

```
?RCS:
```

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```
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```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: i_stdlib.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:08:27 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

?RCS:  
?MAKE:i\_stdlib: Nothing  
?MAKE: -pick add \$@ %<  
?S:i\_stdlib:  
?S: This variable unconditionally defines the I\_STDLIB symbol.  
?S:.  
?C:I\_STDLIB:  
?C: This symbol is always defined, indicating that <stdlib.h> exists  
?C: and should be included.  
?C:.  
?H:#define I\_STDLIB /\*\*/  
?H:.  
: stub, used only to satisfy other units  
i\_stdlib='define'

Found in

path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/i\_stdlib.U

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?RCS:

?MAKE:d\_logb: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_logb:

?S: This variable conditionally defines the HAS\_LOGB symbol, which

?S: indicates to the C program that the logb() routine is available

?S: to extract the exponent of x.

?S:.

?C:HAS\_LOGB:

?C: This symbol, if defined, indicates that the logb routine is

?C: available to do the logb function.

?C:.

?H:#\$d\_logb HAS\_LOGB /\*\*/

?H:.

?LINT:set d\_logb

: see if logb exists

set logb d\_logb

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_logb.U

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 ?RCS:  
 ?MAKE:d\_strftime: Inlibc  
 ?MAKE: -pick add \$@ %<  
 ?S:d\_strftime:  
 ?S: This variable conditionally defines the HAS\_STRFTIME symbol, which  
 ?S: indicates to the C program that the strftime() routine is available.  
 ?S:.  
 ?C:HAS\_STRFTIME:  
 ?C: This symbol, if defined, indicates that the strftime routine is  
 ?C: available to do time formatting.  
 ?C:.  
 ?H:#\$d\_strftime HAS\_STRFTIME /\*\*/  
 ?H:.  
 ?LINT:set d\_strftime  
 : see if strftime exists  
 set strftime d\_strftime  
 eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_strftime.U

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 ?RCS:  
 ?X:  
 ?X: This unit produces a variable that is intended to be eval'ed in  
 ?X: order to define/undefine a symbol. A consistency check is made  
 ?X: regarding any previous value and a warning is issued if there  
 ?X: is any discrepancy.  
 ?X:  
 ?X: To use it, say:  
 ?X: set d\_siginfo\_si\_errno siginfo\_t int si\_errno \$d\_sigaction signal.h  
 ?X: eval \$hasfield\_t;  
 ?X:  
 ?MAKE:Hasfield\_t: test Compile rm\_try Setvar  
 ?MAKE: -pick add \$@ %<  
 ?LINT:define hasfield\_t  
 ?S:hasfield\_t:  
 ?S: Internal macro for Configure

```

?S:.
?V:hasfield_t:
?T:varname struct type field
: Define hasfield_t macro for Configure internal use
hasfield_t='varname=$1; struct=$2; type=$3; field=$4; shift; shift; shift; shift;
while $stest $# -ge 2; do
    case
"$1" in
$define) echo "#include <$2>";;
    esac ;
    shift 2;
done > try.c;
echo "int main () { $struct foo; $type bar = foo.$field; }" >> try.c;
set try;
if eval $compile; then
    val="$define";
else
    val="$undef";
fi;
set $varname;
eval $setvar;
$rm_try'

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/Hasfield_t.U

```

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?RCS:

?MAKE:d\_nexttoward: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_nexttoward:

?S: This variable conditionally defines HAS\_NEXTTOWARD if nexttoward()

?S: is available to return the next machine representable long double from

?S: x in direction y.

?S:.

?C:HAS\_NEXTTOWARD:

?C: This symbol, if defined, indicates that the nexttoward routine is

?C: available to return the next machine representable long double from

?C: x in direction y.

?C:.

?H:#\$d\_nexttoward HAS\_NEXTTOWARD /\*\*/

?H:.

?LINT:set d\_nexttoward

: see if nexttoward exists

set nexttoward d\_nexttoward

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_nexttoward.U

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Guess.U,v \$

?RCS: Revision 3.0.1.5 1995/07/25 13:37:14 ram

?RCS: patch56: now knows about OS/2 platforms

?RCS:

?RCS: Revision 3.0.1.4 1994/10/29 15:53:55 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS: patch36: call ./xenix explicitly instead of relying on PATH

?RCS:

?RCS: Revision 3.0.1.3 1993/12/15 08:14:35 ram

?RCS: patch15: variable d\_bsd was not always set properly

?RCS:

?RCS: Revision 3.0.1.2 1993/08/30 08:57:14 ram

?RCS: patch8: fixed comment which wrongly  
attributed the usrinc symbol

?RCS: patch8: no more ugly messages when no /usr/include/ctype.h

?RCS:

?RCS: Revision 3.0.1.1 1993/08/27 14:37:37 ram

?RCS: patch7: added support for OSF/1 machines

?RCS:

?RCS: Revision 3.0 1993/08/18 12:04:57 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit hazards some guesses as to what the general nature of the system

?X: is. The information it collects here is used primarily to establish default

?X: answers to other questions.

?X:

?MAKE:Guess d\_eunice d\_xenix d\_bsd d\_linux d\_dos d\_os2: cat test echo n c \  
contains rm tr Loc eunicefix

?MAKE: -pick add \$@ %<

?S:d\_eunice:

?S: This variable conditionally defines the symbols EUNICE\_SYSTEM, which alerts the C program that it must deal with idiosyncracies of VMS.  
?S:.  
?S:d\_xenix:  
?S: This variable conditionally defines the symbol XENIX\_SYSTEM, which alerts the C program that it runs under Xenix.  
?S:.  
?S:d\_dos:  
?S: This symbol conditionally defines the symbol DOS\_SYSTEM when running on DOS with DJGPP or Cygwin.  
?S:.  
?S:d\_os2:  
?S: This symbol conditionally defines the symbol OS2\_SYSTEM when running on an OS/2 system.  
?S:.  
?S:d\_bsd:  
?S: This symbol conditionally defines the symbol BSD\_SYSTEM when running on a BSD system.  
?S:.  
?S:d\_linux:  
?S: This symbol conditionally defines the symbol LINUX\_SYSTEM when running on a Linux system.  
?S:.  
?C:EUNICE\_SYSTEM (EUNICE):  
?C: This symbol, if defined, indicates that the program is being compiled under the EUNICE package under VMS. The program will need to handle things like files that don't go away the first time you unlink them, due to version numbering. It will also need to compensate for lack of a respectable link() command.  
?C:.  
?C:VMS\_SYSTEM (VMS):  
?C: This symbol, if defined, indicates that the program is running under VMS. It is currently only set in conjunction with the EUNICE symbol.  
?C:.  
?C:XENIX\_SYSTEM (XENIX):  
?C: This symbol, if defined, indicates that the program is running under Xenix (at least 3.0 ?).  
?C:.  
?C:DOS\_SYSTEM:  
?C: This symbol, if defined, indicates that the program is running under DOS with DJGPP.  
?C:.  
?C:OS2\_SYSTEM:  
?C: This symbol, if defined, indicates that the program is running under an OS/2 system.  
?C:.

```

?C:BSD_SYSTEM:
?C: This symbol, if defined, indicates that the program is running under
?C: a BSD system.
?C:.
?C:LINUX_SYSTEM:
?C: This symbol, if defined, indicates that the program is running under
?C: a Linux system.
?C:.
?H:#$d_eunice EUNICE_SYSTEM /**/
?H:#$d_eunice VMS_SYSTEM /**/
?H:#$d_xenix XENIX_SYSTEM /**/
?H:#$d_dos DOS_SYSTEM /**/
?H:#$d_os2 OS2_SYSTEM /**/
?H:#$d_bsd BSD_SYSTEM /**/
?H:#$d_linux LINUX_SYSTEM /**/
?H:.
?F:./bsd ./usg ./v7 ./osf1 ./eunice ./xenix ./venix ./dos ./os2 ./gnu ./linux
?T:xxx DJGPP MACHTYPE
: make some quick guesses about what we are up against
echo " "
$echo $n "Hmm... $c"
echo exit 1 >bsd
echo exit 1 >usg
echo exit 1 >v7
echo exit 1 >osf1
echo exit 1 >eunice
echo
  exit 1 >xenix
echo exit 1 >venix
echo exit 1 >os2
echo exit 1 >gnu
echo exit 1 >linux
echo exit 1 >dos
d_bsd="$undef"
d_linux="$undef"
d_dos="$undef"
d_os2="$undef"
?X:
?X: Do not use 'usrinc', or we get a circular dependency. because
?X: usrinc is defined in usrinc.U, which relies on us...
?X:
$cat /usr/include/signal.h /usr/include/sys/signal.h >foo 2>/dev/null
if test -f /osf_boot || $contains 'OSF/1' /usr/include/ctype.h >/dev/null 2>&1
then
  echo "Looks kind of like an OSF/1 system, but we'll see..."
  echo exit 0 >osf1
elif test `echo abc | $tr a-z A-Z` = Abc ; then
  xxx=`./loc addbib blurfl $pth`

```

```

if $test -f $xxx; then
echo "Looks kind of like a USG system with BSD features, but we'll see..."
echo exit 0 >bsd
echo exit 0 >usg
else
if $contains SIGTSTP foo >/dev/null 2>&1 ; then
echo "Looks kind of like an extended USG system, but we'll see..."
else
echo "Looks kind of like a USG system, but we'll see..."
fi
echo exit 0 >usg
fi
elif $contains SIGTSTP foo >/dev/null
2>&1 ; then
echo "Looks kind of like a BSD system, but we'll see..."
d_bsd="$define"
echo exit 0 >bsd
elif
$rm --version 2>/dev/null >foo;
$contains "Free Software Foundation" foo >/dev/null
then
xxx=`uname`
echo exit 0 >gnu
echo "Looks kind of like a GNU/$xxx system, but we'll see..."
if $test X$xxx = XLinux; then
d_linux="$define"
echo exit 0 >linux
fi
else
echo "Looks kind of like a Version 7 system, but we'll see..."
echo exit 0 >v7
fi
case "$eunicefix" in
*unixtovms*)
$cat <<'EOI'
There is, however, a strange, musty smell in the air that reminds me of
something...hmm...yes...I've got it...there's a VMS nearby, or I'm a Blit.
EOI
echo exit 0 >eunice
d_eunice="$define"
: it so happens the Eunice I know will not run shell scripts in Unix format
;;
*)
echo " "
echo "Congratulations. You aren't running Eunice."
d_eunice="$undef"
;;
esac

```



```

case "$p_" in
:) ;;
*)
$cat <<'EOI'
I have the feeling something is not exactly right, however...don't tell me...
EOI
if
test -n "$DJGPP"; then
case "X${MACHTYPE:-nonesuchmach}" in
cygwin) echo "hah!... you're running under Cygwin!";;
*) echo "got it... you're running DOS with DJGPP!";;
esac
echo exit 0 >dos
d_dos="$define"
else
$cat <<'EOI'
lemme think...does HAL ring a bell?...no, of course, you're only running OS/2!
EOI
echo exit 0 >os2
d_os2="$define"
fi
;;
esac
if test -f /xenix; then
echo "Actually, this looks more like a XENIX system..."
echo exit 0 >xenix
d_xenix="$define"
else
echo " "
echo "It's not Xenix..."
d_xenix="$undef"
fi
chmod +x xenix
$eunicefix xenix
if test -f /venix; then
echo "Actually, this looks more like a VENIX system..."
echo exit 0 >venix
else
echo " "
if ./xenix; then
: null
else
echo "Nor is it Venix..."
fi
fi
chmod +x bsd usg v7 osf1 eunice xenix venix dos os2 gnu linux
$eunicefix bsd usg v7 osf1 eunice xenix venix dos os2 gnu linux
$rm -f foo

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Guess.U

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?RCS:

?MAKE:d\_clearenv: Inlibc

?MAKE:-pick add \$@ %<

?S:d\_clearenv:

?S: This variable conditionally defines the HAS\_CLEARENV symbol, which

?S: indicates to the C program that the clearenv () routine is available.

?S:.

?C:HAS\_CLEARENV:

?C: This symbol, if defined, indicates that the clearenv () routine is

?C: available for use.

?C:.

?H:#\$d\_clearenv HAS\_CLEARENV /\*\*/

?H:.

?LINT:set d\_clearenv

: see if clearenv exists

set clearenv d\_clearenv

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_clearenv.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_popen.U 1 2006-08-24 12:32:52Z rmanfredi \$

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_popen.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:47 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:  
?MAKE:d\_popen: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_popen:  
?S: This variable conditionally defines HAS\_POPEN if popen() is  
?S: available to open a pipe from a process.  
?S:.  
?C:HAS\_POPEN (POPEN):  
?C: This symbol, if defined, indicates that the popen routine is  
?C: available to open a pipe from a process.  
?C:.  
?H:#\$d\_popen HAS\_POPEN /\*\*/  
?H:.  
?LINT:set  
d\_popen  
: see if popen exists  
set popen d\_popen  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_popen.U

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?RCS: \$Id: nblock\_io.U,v 3.0.1.2 1997/02/28 16:17:14 ram Exp \$  
?RCS:  
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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: nblock\_io.U,v \$  
?RCS: Revision 3.0.1.2 1997/02/28 16:17:14 ram  
?RCS: patch61: simplify here document for shells that can't handle them well  
?RCS: patch61: force use of "startsh" at the head of the generated script  
?RCS: patch61: added new files to the ?F: metalint hint  
?RCS:  
?RCS: Revision 3.0.1.1 1995/07/25 14:13:22 ram  
?RCS: patch56: created  
?RCS:  
?X:  
?X: Simplify here document for shells that can't handle them well.  
?X: (Problem reported on FreeBSD;  
it's unclear if this helps.) --AD  
?X:

?MAKE:o\_nonblock eagain rd\_nodata d\_eofnblk: cat rm\_try Compile run \  
d\_open3 h\_sysfile h\_fcntl signal\_t hint Oldconfig Setvar \  
startsh i\_unistd i\_fcntl i\_stdlib d\_fork d\_pipe d\_alarm  
?MAKE: -pick add \$@ %<

?S:o\_nonblock:

?S: This variable bears the symbol value to be used during open() or fcntl()

?S: to turn on non-blocking I/O for a file descriptor. If you wish to switch

?S: between blocking and non-blocking, you may try ioctl(FIOSNBIO) instead,

?S: but that is only supported by some devices.

?S:.

?S:eagain:

?S: This variable bears the symbolic errno code set by read() when no

?S: data is present on the file and non-blocking I/O was enabled (otherwise,

?S: read() blocks naturally).

?S:.

?S:rd\_nodata:

?S: This variable holds the return code from read() when no data is

?S: present. It should be -1, but some systems return 0 when O\_NDELAY is

?S: used, which is a shame because you cannot make the difference between

?S: no data and an EOF.. Sigh!

?S:.

?S:d\_eofnblk:

?S: This

variable conditionally defines EOF\_NONBLOCK if EOF can be seen

?S: when reading from a non-blocking I/O source.

?S:.

?C:VAL\_O\_NONBLOCK:

?C: This symbol is to be used during open() or fcntl(F\_SETFL) to turn on

?C: non-blocking I/O for the file descriptor. Note that there is no way

?C: back, i.e. you cannot turn it blocking again this way. If you wish to

?C: alternatively switch between blocking and non-blocking, use the

?C: ioctl(FIOSNBIO) call instead, but that is not supported by all devices.

?C:.

?C:VAL\_EAGAIN:

?C: This symbol holds the errno error code set by read() when no data was

?C: present on the non-blocking file descriptor.

?C:.

?C:RD\_NODATA:

?C: This symbol holds the return code from read() when no data is present

?C: on the non-blocking file descriptor. Be careful! If EOF\_NONBLOCK is

?C: not defined, then you can't distinguish between no data and EOF by

?C: issuing a read(). You'll have to find another way to tell for sure!

?C:.

?C:EOF\_NONBLOCK:

?C: This

symbol, if defined, indicates to the C program that a read() on

?C: a non-blocking file descriptor will return 0 on EOF, and not the value

?C: held in RD\_NODATA (-1 usually, in that case!).

```

?C:.
?H:#define VAL_O_NONBLOCK $o_nonblock
?H:#define VAL_EAGAIN $again
?H:#define RD_NODATA $rd_nodata
?H:#$d_eofnblk EOF_NONBLOCK
?H:.
?T:status
?F:!try.out !try.ret !try.err !try !mtry
?LINT:use d_open3
: check for non-blocking I/O stuff
case "$h_sysfile" in
true) echo "#include <sys/file.h>" > head.c;;
*)
    case "$h_fcntl" in
    true) echo "#include <fcntl.h>" > head.c;;
    *) echo "#include <sys/fcntl.h>" > head.c;;
    esac
    ;;
esac
echo " "
echo "Figuring out the flag used by open() for non-blocking I/O..." >&4
case "$o_nonblock" in
")
$cat head.c > try.c
$cat >>try.c <<EOCP
#include <stdio.h>
#$i_stdlib I_STDLIB
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#$i_fcntl I_FCNTL
#ifdef I_FCNTL
#include <fcntl.h>
#endif
int main() {
#ifdef O_NONBLOCK
printf("O_NONBLOCK\n");
exit(0);
#endif
#ifdef
O_NDELAY
printf("O_NDELAY\n");
exit(0);
#endif
?X: Stevens "Advanced Programming in the UNIX Environment" page 364 mentions
?X: the FNDELAY symbol, used in 4.3BSD (source: Paul Marquess).
#ifdef FNDELAY
printf("FNDELAY\n");

```

```

exit(0);
#endif
exit(0);
}
EOCP
set try
if eval $compile_ok; then
o_nonblock=`$run ./try`
case "$o_nonblock" in
") echo "I can't figure it out, assuming O_NONBLOCK will do.";;
*) echo "Seems like we can use $o_nonblock.";;
esac
else
echo "(I can't compile the test program; pray O_NONBLOCK is right!)"
fi
;;
*) echo "Using $hint value $o_nonblock.";;
esac
$rm_try

echo " "
echo "Let's see what value errno gets from read() on a $o_nonblock file..." >&4
case "$seagain" in
")
case "$d_fork:$d_pipe:$d_alarm" in
define:define:define)
$cat head.c > try.c
$cat >>try.c <<EOCP
#include <errno.h>
#include <sys/types.h>
#include <signal.h>
#include <stdio.h>
#$i_stdlib I_STDLIB
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#$i_fcntl
I_FCNTL
#ifdef I_FCNTL
#include <fcntl.h>
#endif
#define MY_O_NONBLOCK $o_nonblock
#ifndef errno /* XXX need better Configure test */
extern int errno;
#endif
#$i_unistd I_UNISTD
#ifdef I_UNISTD
#include <unistd.h>

```

```

#endif
#include <string.h>
$signal_t blech(int x) { exit(3); }
EOCP
$cat >> try.c <<'EOCP'
int main()
{
int pd[2];
int pu[2];
char buf[1];
char string[100];
int ret;

ret = pipe(pd); /* Down: child -> parent */
if (ret != 0)
exit(3);
ret = pipe(pu); /* Up: parent -> child */
if (ret != 0)
exit(3);
if (0 != fork()) {
close(pd[1]); /* Parent reads from pd[0] */
close(pu[0]); /* Parent writes (blocking) to pu[1] */
#ifdef F_SETFL
if (-1 == fcntl(pd[0], F_SETFL, MY_O_NONBLOCK))
exit(1);
#else
exit(4);
#endif
signal(SIGALRM, blech);
alarm(5);
if ((ret = read(pd[0], buf, 1)) > 0) /* Nothing to read! */
exit(2);
sprintf(string, "%d\n", ret);
ret = write(2, string, strlen(string));
if (ret != strlen(string))
exit(3);
alarm(0);
#ifdef
EAGAIN
if (errno == EAGAIN) {
printf("EAGAIN\n");
goto ok;
}
#endif
#ifdef EWOULDBLOCK
if (errno == EWOULDBLOCK)
printf("EWOULDBLOCK\n");
#endif
#endif

```

```

ok:
ret = write(pu[1], buf, 1); /* Unblocks child, tell it to close our pipe */
if (ret != 1)
    exit(3);
sleep(2); /* Give it time to close our pipe */
alarm(5);
ret = read(pd[0], buf, 1); /* Should read EOF */
alarm(0);
sprintf(string, "%d\n", ret);
ret = write(4, string, strlen(string));
if (ret != strlen(string))
    exit(3);
exit(0);
}

close(pd[0]); /* We write to pd[1] */
close(pu[1]); /* We read from pu[0] */
ret = read(pu[0], buf, 1); /* Wait for parent to signal us we may continue */
if (ret != 1)
    exit(3);
close(pd[1]); /* Pipe pd is now fully closed! */
exit(0); /* Bye bye, thank you for playing! */
}

```

#### EOCP

```

set try
if eval $compile_ok; then
?X: Use script to avoid the possible 'alarm call' message
echo "$startsh" >mtry
echo "$run ./try >try.out 2>try.ret 4>try.err
|| exit 4" >>mtry
chmod +x mtry
$run ./mtry >/dev/null 2>&1
case $? in
0) eagain=`$cat try.out`;
1) echo "Could not perform non-blocking setting!";;
2) echo "I did a successful read() for something that was not there!";;
3) echo "Hmm... non-blocking I/O does not seem to be working!";;
4) echo "Could not find F_SETFL!";;
*) echo "Something terribly wrong happened during testing.";;
esac
rd_nodata=`$cat try.ret`
echo "A read() system call with no data present returns $rd_nodata."
case "$rd_nodata" in
0|-1) ;;
*)
echo "(That's peculiar, fixing that to be -1.)"
rd_nodata=-1
;;

```



```

esac
case "$eagain" in
")
echo "Forcing errno EAGAIN on read() with no data available."
eagain=EAGAIN
;;
*)
echo "Your read() sets errno to $eagain when no data is available."
;;
esac
status=`$cat try.err`
case "$status" in
0) echo "And it correctly returns 0 to signal EOF.";;
-1) echo "But it also returns -1 to signal EOF, so be careful!";;
*)
echo "However, your read() returns '$status' on EOF??";;
esac
val="$define"
if test "$status" = "$rd_nodata"; then
echo "WARNING: you can't distinguish between EOF and no data!"
val="$undef"
fi
else
echo "I can't compile the test program--assuming errno EAGAIN will do."
eagain=EAGAIN
fi
;;
*) echo "Can't figure out how to test this--assuming errno EAGAIN will do."
eagain=EAGAIN
val="$define"
;;
esac
set d_eofnblk
eval $setvar
;;
*)
echo "Using $hint value $eagain."
echo "Your read() returns $rd_nodata when no data is present."
case "$d_eofnblk" in
"$define") echo "And you can see EOF because read() returns 0.";;
"$undef") echo "But you can't see EOF status from read() returned value.";;
*)
?X: Should not happen, but if it does, assume the worst!
echo "(Assuming you can't see EOF status from read anyway.)"
d_eofnblk=$undef
;;
esac
;;

```

```
esac
$rm_try head.c mtry
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/nblock_io.U
```

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```
?RCS: $Id: d_endsent.U,v 3.0 1993/08/18 12:06:09 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
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?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: d_endsent.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:09 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_endsent: Inlibc
?MAKE: -pick add $@ %<
?S:d_endsent:
?S: This variable conditionally defines HAS_ENDSERVENT if endservent() is
?S: available to close whatever was being used for service queries.
?S:.
?C:HAS_ENDSERVENT:
?C: This symbol, if defined, indicates that the endservent() routine is
?C: available to close whatever was being used for
?C: service queries.
?C:.
?H:#$d_endsent HAS_ENDSERVENT /**/
?H:.
?LINT:set d_endsent
: see if endservent exists
set endservent d_endsent
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_endsent.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```

?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Config_sh.U,v $
?RCS: Revision 3.0.1.3 1997/02/28 14:57:53 ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.2 1995/01/11 14:53:31 ram
?RCS: patch45: moved path stripping from d_portable.U to end of Configure
?RCS:
?RCS: Revision 3.0.1.1 1994/10/29 15:50:37 ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0 1993/08/18 12:04:48 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit ends up producing the config.sh
    script, which contains all the
?X: definitions figured out by Configure. The add.Config_sh command knows
?X: which variables need to be remembered. It also adds the EOT (ends the
?X: here document redirection with variable substitution).
?X:
?MAKE:Config_sh: cf_time cf_by test spitshell startsh myuname Myread \
    End Obsol_sh Loc +d_portable package src cat sed
?MAKE: -pick add.Config_sh $@ %<
?MAKE: -pick add $@ ./Obsol_sh
?MAKE: -pick close.Config_sh $@ %<
?F:!config.over !config.arch
?T:file sfile xsed
?LINT:unclosed EOT
: back to where it started
if test -d ../UU; then
    cd ..
fi

: configuration may be unconditionally patched via a 'config.arch' file
if $test -f config.arch; then
    echo "I see a config.arch file, loading it." >&4
    . ./config.arch
fi

: configuration may be patched via a 'config.over' file
if $test -f config.over; then

```

```

echo " "
dflt=y
rp='I see a config.over file. Do you wish to load it?'
. UU/myread
case "$ans" in
n*) echo "OK, I'll ignore it.;;
*) . ./config.over
echo
"Configuration override changes have been loaded."
;;
esac
fi

```

```

@if d_portable
: in case they want portability, strip down executable paths
?X:
?X: Strip down paths in located executables. For each file, e.g. vi, there
?X: is a $vi variable whose value is for instance '/usr/bin/vi'. By resetting
?X: $vi to 'vi', we rely on the PATH variable to locate the executable...
?X: In order to allow vi='/usr/bin/nvi' which will strip down to vi='nvi',
?X: we can't just say 'eval $file="\$file"', we have to recourse to sed.
?X: We don't use basename since it is less portable than sed.
?X:
case "$d_portable" in
"$define")
echo " "
echo "Stripping down executable paths..." >&4
xsed=$sed
for file in $loclist $trylist; do
eval sfile="\$file"
sfile=`echo $sfile | $xsed -e 's,.*^(.*)\,1,`
eval $file="$sfile"
done
;;
esac

```

```

@end
: create config.sh file
echo " "
echo "Creating config.sh..." >&4
$spitshell <<EOT >config.sh
$startsh
#
# This file was produced by running the
# Configure script. It holds all the
# definitions figured out by Configure. Should you modify one of these values,
# do not forget to propagate your changes by running "Configure -der". You may
# instead choose to run each of the .SH files by yourself, or "Configure -S".

```

#

```
# Package name   : $package
# Source directory : $src
# Configuration time: $cf_time
# Configured by   : $cf_by
# Target system   : $myuname
```

EOT

```
?X: Command line options are saved by the Options.U unit in the
?X: temporary file UU/cmdline.opt
$stest -f UU/cmdline.opt && $cat UU/cmdline.opt >> config.sh
$spitshell <<EOT >>config.sh
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Config_sh.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_setgrent\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_setgrent\_r setgrent\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads i\_grp extern\_C

?MAKE: -pick add \$@ %<

?S:d\_setgrent\_r:

?S: This variable conditionally defines the HAS\_SETGRENT\_R symbol,

?S: which indicates to the C program that the setgrent\_r()

?S: routine is available.

?S:.

?S:setgrent\_r\_proto:

?S: This variable encodes the prototype of setgrent\_r.

?S: It is zero if d\_setgrent\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_setgrent\_r

?S: is defined.

?S:.

?C:HAS\_SETGRENT\_R:

?C: This symbol, if defined, indicates that the setgrent\_r routine

?C: is available to

setgrent re-entrantly.

?C:.

?C:SETGRENT\_R\_PROTO:

?C: This symbol encodes the prototype of setgrent\_r.

```

?C: It is zero if d_setgrent_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_setgrent_r
?C: is defined.
?C:.
?H:#$d_setgrent_r HAS_SETGRENT_R /**/
?H:#define SETGRENT_R_PROTO $setgrent_r_proto /**/
?H:.
?T:try hdrs d_setgrent_r_proto
: see if setgrent_r exists
set setgrent_r d_setgrent_r
eval $inlibc
case "$d_setgrent_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_grp grp.h"
case "$d_setgrent_r_proto:$usethreads" in
":define") d_setgrent_r_proto=define
set d_setgrent_r_proto setgrent_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_setgrent_r_proto" in
define)
case "$setgrent_r_proto" in
"|0) try='int setgrent_r(FILE**);'
./prochck "$sextern_C $try" $hdrs && setgrent_r_proto=I_H ;;
esac
case "$setgrent_r_proto" in
"|0) try='void setgrent_r(FILE**);'
./prochck "$sextern_C $try" $hdrs && setgrent_r_proto=V_H ;;
esac
case "$setgrent_r_proto"
in
"|0) d_setgrent_r=undef
setgrent_r_proto=0
echo "Disabling setgrent_r, cannot determine prototype." >&4 ;;
* ) case "$setgrent_r_proto" in
REENTRANT_PROTO*) ;;
*) setgrent_r_proto="REENTRANT_PROTO_$setgrent_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "setgrent_r has no prototype, not using it." >&4 ;;
esac
d_setgrent_r=undef
setgrent_r_proto=0
;;

```

```
esac
;;
*) setgrent_r_proto=0
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_setgrent_r.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Extras.U,v\$

?RCS:

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?RCS:

?MAKE:extras: Myread Oldconfig Setvar rm

?MAKE: -pick add \$@ %<

?Y:TOP

?S:extras:

?S: This variable holds a list of extra modules to install.

?S:.

: See if we want extra modules installed

```
echo " "
```

```
case "$extras" in
```

```
  *) dflt='n';;
```

```
  *) dflt='y';;
```

```
esac
```

```
cat <<EOM
```

Perl can be built with extra modules or bundles of modules which will be fetched from the CPAN and installed alongside Perl.

Notice that you will need access to the CPAN; either via the Internet, or a local copy, for example a CD-ROM or a local CPAN mirror. (You will be asked later to configure the CPAN.pm module which will in turn do the installation of the rest of the extra modules or bundles.)

Notice also that if the modules require any external software such as libraries and headers (the libz library and the zlib.h header for the Compress::Zlib module, for example) you MUST have any such software already installed, this configuration process will NOT install such things for you.

If this doesn't make any sense to you, just accept the default '\$dflt'.

```
EOM
```

```
rp='Install any extra modules (y or n)?'
./myread
case "$ans" in
y|Y)
cat <<EOM
```

Please list any extra modules or bundles to be installed from CPAN, with spaces between the names. The names can be in any format the 'install' command of CPAN.pm will understand. (Answer 'none', without the quotes, to install no extra modules or bundles.)

EOM

```
rp='Extras?'
dflt="$extras"
./myread
extras="$ans"
esac
case "$extras" in
"|none")
val=""
$rm -f ../extras.lst
;;
*) echo "(Saving the list of extras for later...)"
echo "$extras" > ../extras.lst
val="$extras"
;;
esac
set extras
eval $setvar
echo " "
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/Extras.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:i\_wctype: Inhdr

?MAKE:-pick add \$@ %<

?S:i\_wctype:



?S: This variable conditionally defines the I\_WCTYPE symbol,  
?S: that indicates whether a C program may include <wctype.h>.

?S:.

?C:I\_WCTYPE:

?C: This symbol, if defined, indicates that <wctype.h> exists.

?C:.

?H:#\$i\_wctype I\_WCTYPE /\*\*/

?H:.

?LINT:set i\_wctype

: see if this system has wctype.h

set wctype.h i\_wctype

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_wctype.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getprotobyname\_r.U,v 0RCS:

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?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_getprotobyname\_r getprotobyname\_r\_proto: Inlibc Protochk Hasproto \  
i\_systypes usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_getprotobyname\_r:

?S: This variable conditionally defines the HAS\_GETPROTOBYNAME\_R symbol,

?S: which indicates to the C program that the getprotobyname\_r()

?S: routine is available.

?S:.

?S:getprotobyname\_r\_proto:

?S: This variable encodes the prototype of getprotobyname\_r.

?S: It is zero if d\_getprotobyname\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getprotobyname\_r

?S: is defined.

?S:.

?C:HAS\_GETPROTOBYNAME\_R:

?C: This symbol, if  
defined, indicates that the getprotobyname\_r routine

?C: is available to getprotobyname re-entrantly.

?C:.

?C:GETPROTOBYNAME\_R\_PROTO:

?C: This symbol encodes the prototype of getprotobyname\_r.

?C: It is zero if d\_getprotobyname\_r is undef, and one of the

```

?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_getprotobyname_r
?C: is defined.
?C:.
?H:#$d_getprotobyname_r HAS_GETPROTOBYNAME_R /**/
?H:#define GETPROTOBYNAME_R_PROTO $getprotobyname_r_proto /**/
?H:.
?T:try hdrs d_getprotobyname_r_proto
: see if getprotobyname_r exists
set getprotobyname_r d_getprotobyname_r
eval $inlibc
case "$d_getprotobyname_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_netdb netdb.h"
case "$d_getprotobyname_r_proto:$usethreads" in
":define") d_getprotobyname_r_proto=define
set d_getprotobyname_r_proto getprotobyname_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_getprotobyname_r_proto" in
define)
case "$getprotobyname_r_proto" in
"|0) try='int getprotobyname_r(const char*, struct
protoent*, char*, size_t, struct protoent**);'
./prochck "$extern_C $try" $hdrs && getprotobyname_r_proto=I_CSBWR ;;
esac
case "$getprotobyname_r_proto" in
"|0) try='struct protoent* getprotobyname_r(const char*, struct protoent*, char*, int);'
./prochck "$extern_C $try" $hdrs && getprotobyname_r_proto=S_CSBI ;;
esac
case "$getprotobyname_r_proto" in
"|0) try='int getprotobyname_r(const char*, struct protoent*, struct protoent_data*);'
./prochck "$extern_C $try" $hdrs && getprotobyname_r_proto=I_CSD ;;
esac
case "$getprotobyname_r_proto" in
"|0) d_getprotobyname_r=undef
getprotobyname_r_proto=0
echo "Disabling getprotobyname_r, cannot determine prototype." >&4 ;;
*) case "$getprotobyname_r_proto" in
REENTRANT_PROTO*) ;;
*) getprotobyname_r_proto="REENTRANT_PROTO_$getprotobyname_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "getprotobyname_r has no prototype, not using it." >&4 ;;
esac

```

```
d_getprotobyname_r=undef
getprotobyname_r_proto=0
;;
esac
;;
*) getprotobyname_r_proto=0
;;
esac
```

#### Found

in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_getprotobyname_r.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_memalign.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_memalign.U,v $
```

```
?RCS:
```

```
?MAKE:d_memalign: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_memalign:
```

```
?S: This variable conditionally defines the HAS_MEMALIGN symbol, which
```

```
?S: indicates to the C program that the memalign() routine is available.
```

```
?S:.
```

```
?C:HAS_MEMALIGN :
```

```
?C: This symbol, if defined, indicates that the memalign routine is
```

```
?C: available to allocate aligned memory.
```

```
?C:.
```

```
?H:#$d_memalign HAS_MEMALIGN /**/
```

```
?H:.
```

```
?LINT:set d_memalign
```

```
: see if memalign exists
```

```
set
```

```
memalign d_memalign
```

```
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_memalign.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:d_telldirproto: Hasproto i_systypes i_dirent
?MAKE: -pick add $@ %<
?S:d_telldirproto:
?S: This variable conditionally defines the HAS_TELLDIR_PROTO symbol,
?S: which indicates to the C program that the system provides
?S: a prototype for the telldir() function. Otherwise, it is
?S: up to the program to supply one.
?S:.
?C:HAS_TELLDIR_PROTO:
?C: This symbol, if defined, indicates that the system provides
?C: a prototype for the telldir() function. Otherwise, it is up
?C: to the program to supply one. A good guess
is
?C: extern long telldir(DIR*);
?C:.
?H:#$d_telldirproto HAS_TELLDIR_PROTO /**/
?H:.
?LINT:set d_telldirproto
: see if prototype for telldir is available
echo " "
set d_telldirproto telldir $i_systypes sys/types.h $i_dirent dirent.h
eval $hasproto
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_telldirproto.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: newslib.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: newslib.U,v \$

?RCS: Revision 3.0 1993/08/18 12:09:23 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:newslib newslibexp: test inews Oldconfig Getfile

?MAKE: -pick add \$@ %<

?S:newslib:

?S: This variable contains the eventual value of the NEWSLIB symbol,

?S: which holds the name of the directory serving as the news library.

?S: It may have a ~ on the front. See newslibexp for expanded version.

?S:.

?S:newslibexp:

?S: This variable contains

the ~ expanded name of the news library

?S: directory. See newslib.

?S:.

?C:NEWSLIB:

?C: This symbol contains the name of the directory serving as the news

?C: library. The program must be prepared to do ~ expansion on it.

?C:.

?C:NEWSLIB\_EXP:

?C: This symbol is the ~ expanded version of NEWSLIB, for programs that

?C: do not wish to deal with it at run-time.

?C:.

?H:#define NEWSLIB "\$newslib" /\*\*/

?H:#define NEWSLIB\_EXP "\$newslibexp" /\*\*/

?H:.

?LINT:change inews

: figure out news library

case "\$newslib" in

)

dflt=/usr/lib/news

;;

\*) dflt=\$newslib ;;

esac

echo " "

fn=d~

rp="Where is your news library?"

./getfile

newslib="\$ans"

newslibexp="\$ansexp"

if \$test -f \$newslibexp/inews; then

echo "Aha! Inews is really in \$newslibexp! Maybe this is 2.10.2..." >&4

case "\$inews" in

inews)

: null

```

;;
*) echo "(Make sure $!news isn't an old version.)";
esac
!news=$!newslibexp/!news
fi

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/newslib.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: defeditor.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: defeditor.U,v $
?RCS: Revision 3.0.1.1 1995/01/11 15:30:16 ram
?RCS: patch45: can now use the 'vi' variable since path stripping is deferred
?RCS:
?RCS: Revision 3.0 1993/08/18 12:08:05 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE: defeditor: Getfile Oldconfig Loc vi
?MAKE: -pick add $@ %<
?S: defeditor:
?S: This variable contains the eventual value of the DEFEDITOR symbol,
?S: which contains the name of the default editor.
?S:
?C: DEFEDITOR:
?C: This
symbol contains the full pathname of the default editor.
?C:
?H: #define DEFEDITOR "$defeditor" /**/
?H:
: determine default editor
echo " "
case "$defeditor" in
")
case "$vi" in
*/*) dflt="$vi";;
*) dflt=/usr/ucb/vi;;
esac

```

```
;;
*) dflt="$defeditor"
;;
esac
fn=f/
rp="What is the default editor on your system?"
./getfile
defeditor="$ans"
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/defeditor.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Myinit.U,v 3.0 1993/08/18 12:05:07 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: This file is included with or a derivative work of a file included

?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.

?RCS: In accordance with clause 7 of dist's modified Artistic License:

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: \$Log: Myinit.U,v \$

?RCS: Revision 3.0 1993/08/18 12:05:07 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: If you want to initialize any default values, copy this unit to your

?X: personal U directory and add the assignments to the end. This file

?X: is included after variables are initialized but before any old

?X: config.sh file is read in and before any Configure switch processing.

?X:

?MAKE:Myinit

libswanted: Init

?MAKE: -pick add \$@ %<

?S:libswanted:

?S: This variable holds a list of all the libraries we want to

?S: search. The order is chosen to pick up the c library

?S: ahead of ucb or bsd libraries for SVR4.

?S:.

?LINT:extern usevfork glibpth

?LINT:change usevfork glibpth

: List of libraries we want.

?X: Put crypt here, even though I should really fix d\_crypt.U to look

?X: for it correctly, including possible shared library versions.

```
: If anyone needs extra -lxxx, put those in a hint file.
libswanted="cl pthread socket bind inet nsl ndbm gdbm dbm db malloc dl ld"
libswanted="$libswanted sun m crypt sec util c cposix posix ucb bsd BSD"
: We probably want to search /usr/shlib before most other libraries.
: This is only used by the lib/ExtUtils/MakeMaker.pm routine extliblist.
glibpth=`echo " $glibpth " | sed -e 's! /usr/shlib ! !'`
glibpth="/usr/shlib $glibpth"
: Do not use vfork unless overridden by a hint file.
usevfork=false
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Myinit.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Config_sh.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Config_sh.U,v $
?RCS: Revision 3.0.1.3 1997/02/28 14:57:53 ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.2 1995/01/11 14:53:31 ram
?RCS: patch45: moved path stripping from d_portable.U to end of Configure
?RCS:
?RCS: Revision 3.0.1.1 1994/10/29 15:50:37 ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0 1993/08/18 12:04:48 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X:
This unit ends up producing the config.sh script, which contains all the
?X: definitions figured out by Configure. The add.Config_sh command knows
?X: which variables need to be remembered. It also adds the EOT (ends the
?X: here document redirection with variable substitution).
?X:
?MAKE:Config_sh: cf_time cf_by test spitshell startsh myuname Myread \
End Obsol_sh Loc +d_portable package src cat
?MAKE: -pick add.Config_sh $@ %<
```



```

?MAKE: -pick add $@ ./Obsol_sh
?MAKE: -pick close.Config_sh $@ %<
?F:!config.over !config.arch
?T:file temp
?LINT:unclosed EOT
: back to where it started
if test -d ../UU; then
  cd ..
fi

: configuration may be unconditionally patched via a 'config.arch' file
if $test -f config.arch; then
  echo "I see a config.arch file, loading it." >&4
  . ./config.arch
fi

: configuration may be patched via a 'config.over' file
if $test -f config.over; then
  echo " "
  dflt=y
  rp='I see a config.over file. Do you wish to load it?'
  . UU/myread
  case "$ans" in
  n*) echo
    "OK, I'll ignore it.";;
  *) . ./config.over
    echo "Configuration override changes have been loaded."
    ;;
  esac
fi

@if d_portable
: in case they want portability, strip down executable paths
?X:
?X: Strip down paths in located executables. For each file, e.g. vi, there
?X: is a $vi variable whose value is for instance '/usr/bin/vi'. By resetting
?X: $vi to 'vi', we rely on the PATH variable to locate the executable...
?X:
case "$d_portable" in
"$define")
  echo " "
  echo "Stripping down executable paths..." >&4
?X:
?X: Previously, we used to do eval $file="\$file" but in order
?X: to handle things like sh Configure -Dmake=gmake, we can't do
?X: that. What we *really* want is to strip away the absolute path
?X: and rely on the end user's $PATH to correctly find the executable.
?X: This method assumes there is a "basename" command available. If

```

?X: not, replace it with the following expr-based command:

```
?X: expr $temp : '.*^(.*)' \| $temp
```

?X: Since this preserves the actual  
command name, we can now drop the

?X: OS/2 specific code.

?X: --Andy Dougherty August 1999

?X:

?X: On OS/2, a special \$ar command not even named 'ar' is required,

?X: so we don't strip that name.

?X: Also, on DOS-ish systems, there might not be a ln command, but we

?X: might have ln='cp'.

?X: However, we can't set d\_portable=undef on such systems since

?X: Unix-ish tools don't have standard locations there. Thus we

?X: MUST rely on the user's \$PATH.

?X: --Andy Dougherty 4/1998

?X:

```
for file in $loclist $trylist; do
    eval temp=\${$file}
    eval $file=`basename $temp`
done
;;
esac
```

@end

: create config.sh file

echo " "

echo "Creating config.sh..." >&4

\$spitshell <<EOT >config.sh

\$startsh

#

# This file was produced by running the Configure script. It holds all the

# definitions figured out by Configure. Should you modify one of these values,

# do not forget to propagate your changes by running "Configure -der". You may

# instead choose to run each of the .SH files by yourself, or "Configure

-S".

#

# Package name : \$package

# Source directory : \$src

# Configuration time: \$cf\_time

# Configured by : \$cf\_by

# Target system : \$myuname

EOT

?X: Command line options are saved by the Options.U unit in the

?X: temporary file UU/cmdline.opt

: Add in command line options if available

\$test -f UU/cmdline.opt && \$cat UU/cmdline.opt >> config.sh

\$spitshell <<EOT >>config.sh

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Config\_sh.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Config\_h.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Config\_h.U,v \$

?RCS: Revision 3.0.1.5 1997/02/28 14:57:43 ram

?RCS: patch61: added support for src.U

?RCS:

?RCS: Revision 3.0.1.4 1995/09/25 09:10:49 ram

?RCS: patch59: commented the purpose of the #un-def directive

?RCS:

?RCS: Revision 3.0.1.3 1995/01/30 14:25:39 ram

?RCS: patch49: typo fixes in leading config.h comment (WED)

?RCS:

?RCS: Revision 3.0.1.2 1993/08/24 12:13:20 ram

?RCS: patch3: added TOP as a local shell temporary variable

?RCS:

?RCS:

Revision 3.0.1.1 1993/08/19 06:42:20 ram

?RCS: patch1: leading config.sh searching was not aborting properly

?RCS:

?RCS: Revision 3.0 1993/08/18 12:04:47 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This file ends up producing the config\_h.SH script, which is run to produce

?X: the config.h file. The file ./Config\_h below contains all the ?H: lines

?X: extracted out of all the units. Metaconfig itself adds the !GROK!THIS!.

?X: Note that this code isn't included into Configure, but must be shipped with.

?X:

?X: For those who wish to know why the file is config\_h.SH instead of the more

?X: natural config.h.SH, well... it is to support systems like MS-DOG. Only one

?X: 'dot' is allowed within the file name, as it is part of the "extension" of

?X: the file. MS-DOG will not let you have two 'dots' because that would mean

```

?X: two "extensions".
?X:
?MAKE:Config_h: Id End Config_sh Obsol_h myuname cf_time cf_by package src
?MAKE: -pick c_h_weed $@ %<
?MAKE: -pick
c_h_weed $@ ./Config_h
?MAKE: -pick c_h_weed $@ ./Obsol_h
?T:PERL_CONFIG_SH TOP
?LINT:unclosed !GROK!THIS!
?LINT:extern CONFIG_H CONFIG_SH
?LINT:change CONFIG_H CONFIG_SH
?X:?LINT:nocomment
: Set up for generating config_h.SH
case "$CONFIG_SH" in
") CONFIG_SH=config.sh;;
esac
case "$CONFIG_H" in
") CONFIG_H=config.h;;
esac
case $PERL_CONFIG_SH in
")
if test -f $CONFIG_SH; then TOP=.;
elif test -f ../$CONFIG_SH; then TOP=..;
elif test -f ../../$CONFIG_SH; then TOP=../../;
elif test -f ../../../$CONFIG_SH; then TOP=../../../;
elif test -f ../../../../$CONFIG_SH; then TOP=../../../../../;
else
echo "Can't find $CONFIG_SH."; exit 1
fi
.$TOP/$CONFIG_SH
;;
esac
?X: Make sure we are in the directory where the .SH file is located.
case "$0" in
*/*) cd `expr X$0 : 'X\(.*/'` ;;
esac
echo "Extracting $CONFIG_H (with variable substitutions)"
?X:
?X: Since we unconditionally translate leading #undef into /*#define, we're
?X: stuck when we really want to have a #undef in $CONFIG_H.
That's why there
?X: is provision here for #un-def, which is translated back into #undef after
?X: all original #undef have been processed.
?X:
?X: Previously, we changed all
?X: #undef FOO /**/
?X: into
?X: /*#define FOO /**/

```

?X: The xlc compiler (available on IBM's AIX) complains that this is  
?X: an illegal attempt to write a nested comment, and warns against it.  
?X: There's apparently no way to shut the compiler up, either.  
?X: This sed command from Hallvard B Furuseth <h.b.furuseth@usit.uio.no>  
?X: changes it to  
?X: /\*#define FOO / \*\*/  
sed <<!GROK!THIS! >\$CONFIG\_H -e 's!^#undef(.\*)\!/\*#define\1 \!' -e 's!^#un-def!#undef!  
/\* This file was produced by running the config\_h.SH script, which  
\* gets its values from \$CONFIG\_SH, which is generally produced by  
\* running Configure.  
\*  
\* Feel free to modify any of this as the need arises. Note, however,  
\* that running config\_h.SH again will wipe out any changes you've made.  
\* For a more permanent change edit \$CONFIG\_SH and  
rerun config\_h.SH.  
\*/

/\* Package name : \$package  
\* Source directory : \$src  
\* Configuration time: \$cf\_time  
\* Configured by : \$cf\_by  
\* Target system : \$myuname  
\*/

#ifndef \_config\_h\_  
#define \_config\_h\_

Found in path(s):  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/U/modified/Config\_h.U  
No license file was found, but licenses were detected in source scan.

?RCS: \$Id: socksize.U,v \$  
?RCS:  
?RCS: Copyright (c) 2000 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:socksize: \  
Protochk Oldconfig Myread cat d\_socket d\_socklen\_t sizetype \  
usesocks i\_socks i\_systypes extern\_C  
?MAKE: -pick add \$@ %<  
?S:socksize:  
?S: This variable holds the type used for the size argument  
?S: for various socket calls like accept. Usual values include  
?S: socklen\_t, size\_t, and int.  
?S:.

```
?C:Sock_size_t:
?C: This symbol holds the type used for the size argument of
?C: various socket calls (just the base type, not the pointer-to).
?C:.
?H:#define Sock_size_t $socksizetype /**/
?H:.
?T:xxx yyy try
@if Sock_size_t
: check for type of the size argument to socket calls
case "$d_socket" in
"$define")
$cat <<EOM
```

Checking to see what type is the last argument  
of accept().

```
EOM
yyy="
case "$d_socklen_t" in
"$define") yyy="$yyy socklen_t"
esac
yyy="$yyy $sizetype int long unsigned"
for xxx in $yyy; do
case "$socksizetype" in
") try="$extern_C int accept(int, struct sockaddr *, $xxx *);"
case "$usesocks" in
"$define")
if ./protochk "$try" $i_systypes sys/types.h $d_socket sys/socket.h literal '#define INCLUDE_PROTOTYPES'
$i_socks socks.h.; then
echo "Your system accepts '$xxx *' for the last argument of accept()."
socksizetype="$xxx"
fi
;;
*) if ./protochk "$try" $i_systypes sys/types.h $d_socket sys/socket.h; then
echo "Your system accepts '$xxx *' for the last argument of accept()."
socksizetype="$xxx"
fi
;;
esac
;;
esac
done
: In case none of those worked, prompt the user.
case "$socksizetype" in
") rp='What is the type for socket address structure sizes?'
dflt='int'
./myread
socksizetype=$ans
;;
```

```
esac
;;
*) : no sockets, so pick relatively harmless default
socksizetype='int'
;;
esac
@end
```

#### Found

in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/socksizetype.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_systable.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
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?RCS: You may reuse parts of this distribution only within the terms of
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?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: i_systable.U,v $
```

```
?RCS: Revision 3.0.1.1 1993/10/16 13:50:20 ram
```

```
?RCS: patch12: created
```

```
?RCS:
```

```
?RCS:
```

```
?MAKE:i_systable: Inhdr
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_systable:
```

```
?S: This variable conditionally defines the I_SYS_TABLE symbol, and
```

```
?S: indicates whether a C program should include <sys/table.h>.
```

```
?S:.
```

```
?C:I_SYS_TABLE:
```

```
?C: This symbol, if defined, indicates to the C program that it should
```

```
?C: include <sys/table.h> for the OSF/1 table() system call.
```

```
?C:.
```

```
?H:#$i_systable
```

```
I_SYS_TABLE /**/
```

```
?H:.
```

```
?LINT:set i_systable
```

```
: see if this is an OSF sys/table system
```

```
set sys/table.h i_systable
```

```
eval $inhdr
```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_systable.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_gdbm.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_gdbm.U,v $
?RCS: Revision 3.0.1.1 1995/05/12 12:16:39 ram
?RCS: patch54: made more robust by checking both header and lib (ADO)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:08:19 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:i_gdbm: Inhdr Inlibc Setvar
?MAKE: -pick add $@ %<
?S:i_gdbm (d_gdbm):
?S: This variable conditionally defines the I_GDBM symbol, which
?S: indicates to the C program that <gdbm.h> exists and should
?S: be included.
?S:.
?C:I_GDBM
(HAS_GDBM):
?C: This symbol, if defined, indicates that <gdbm.h> exists and should
?C: be included.
?C:.
?H:#$i_gdbm I_GDBM /**/
?H:.
?T:t_gdbm d_gdbm_open
?LINT:set i_gdbm
: see if gdbm.h is available
?X: t_gdbm is a tentative check. We might just have the .h, not the lib -- ADO
set gdbm.h t_gdbm
eval $inhdr
case "$t_gdbm" in
$define)
: see if gdbm_open exists
set gdbm_open d_gdbm_open
eval $inlibc
case "$d_gdbm_open" in
$undef)
```



```
t_gdbm="$undef"
echo "We won't be including <gdbm.h>"
;;
esac
;;
esac
val="$t_gdbm"
set i_gdbm
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_gdbm.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Obsol_h.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: Obsol_h.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:05:11 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?X:
```

```
?X: This file is prepended to .MT/Obsol_h if that file is not empty. That file
```

```
?X: contains the necessary mappings of new symbols to obsolete ones.
```

```
?X:
```

```
?MAKE:Obsol_h:
```

```
?MAKE: -pick prepend $@ ./Obsol_h
```

```
?LINT:nocomment
```

```
/*
```

```
* The following symbols are obsolete. They are mapped to the the new
```

```
* symbols only to ease the transition process. The
```

```
sources should be
```

```
* updated so as to use the new symbols only, as the support for these
```

```
* obsolete symbols may end without notice.
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Obsol_h.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_getprotoent_r.U,v 0RCS:
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.
?RCS:
?MAKE:d_getprotoent_r getprotoent_r_proto: Inlibc Protochk Hasproto \
i_systypes usethreads i_netdb extern_C
?MAKE: -pick add $@ %<
?S:d_getprotoent_r:
?S: This variable conditionally defines the HAS_GETPROTOENT_R symbol,
?S: which indicates to the C program that the getprotoent_r()
?S: routine is available.
?S:.
?S:getprotoent_r_proto:
?S: This variable encodes the prototype of getprotoent_r.
?S: It is zero if d_getprotoent_r is undef, and one of the
?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_getprotoent_r
?S: is defined.
?S:.
?C:HAS_GETPROTOENT_R:
?C: This symbol, if defined, indicates that the getprotoent_r
routine
?C: is available to getprotoent re-entrantly.
?C:.
?C:GETPROTOENT_R_PROTO:
?C: This symbol encodes the prototype of getprotoent_r.
?C: It is zero if d_getprotoent_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_getprotoent_r
?C: is defined.
?C:.
?H:#$d_getprotoent_r HAS_GETPROTOENT_R /**/
?H:#define GETPROTOENT_R_PROTO $getprotoent_r_proto /**/
?H:.
?T:try hdrs d_getprotoent_r_proto
: see if getprotoent_r exists
set getprotoent_r d_getprotoent_r
eval $inlibc
case "$d_getprotoent_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_netdb netdb.h"
case "$d_getprotoent_r_proto:$usethreads" in
":define") d_getprotoent_r_proto=define
set d_getprotoent_r_r_proto getprotoent_r $hdrs
```

```

eval $hasproto ;;
*) ;;
esac
case "$d_getprotoent_r_proto" in
define)
case "$getprotoent_r_proto" in
"|0) try='int getprotoent_r(struct protoent*, char*, size_t, struct protoent**);'
./protochk "$extern_C $try" $hdrs && getprotoent_r_proto=I_SBWR
;;
esac
case "$getprotoent_r_proto" in
"|0) try='int getprotoent_r(struct protoent*, char*, int);'
./protochk "$extern_C $try" $hdrs && getprotoent_r_proto=I_SBI ;;
esac
case "$getprotoent_r_proto" in
"|0) try='struct protoent* getprotoent_r(struct protoent*, char*, int);'
./protochk "$extern_C $try" $hdrs && getprotoent_r_proto=S_SBI ;;
esac
case "$getprotoent_r_proto" in
"|0) try='int getprotoent_r(struct protoent*, struct protoent_data*);'
./protochk "$extern_C $try" $hdrs && getprotoent_r_proto=I_SD ;;
esac
case "$getprotoent_r_proto" in
"|0) d_getprotoent_r=undef
getprotoent_r_proto=0
echo "Disabling getprotoent_r, cannot determine prototype." >&4 ;;
* ) case "$getprotoent_r_proto" in
REENTRANT_PROTO*) ;;
*) getprotoent_r_proto="REENTRANT_PROTO_${getprotoent_r_proto}" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "getprotoent_r has no prototype, not using it." >&4 ;;
esac
d_getprotoent_r=undef
getprotoent_r_proto=0
;;
esac
;;
*) getprotoent_r_proto=0
;;
esac

```

Found

in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/threads/d\_getprotoent\_r.U

No license file was found, but licenses were detected in source scan.

?RCS: Copyright (c) 2017, Karl Williamson

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_mbrtowc: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_mbrtowc:

?S: This variable conditionally defines the HAS\_MBRTOWC symbol if the

?S: mbrtowc() routine is available to be used to convert a multi-byte

?S: character into a wide character.

?S:.

?C:HAS\_MBRTOWC:

?C: This symbol, if defined, indicates that the mbrtowc routine is

?C: available to convert a multi-byte character into a wide character.

?C:.

?H:#\$d\_mbrtowc HAS\_MBRTOWC /\*\*/

?H:.

?LINT: set d\_mbrtowc

: see if mbrtowc exists

set mbrtowc d\_mbrtowc

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_mbrtowc.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: archname.U,v 3.0.1.3 1997/02/28 15:24:32 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: archname.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 15:24:32 ram

?RCS: patch61: changed the way the archname is mangled from uname

?RCS:

```

?RCS: Revision 3.0.1.2 1995/05/12 12:05:24 ram
?RCS: patch54: protect against spaces in "uname -m" output (ADO)
?RCS:
?RCS: Revision 3.0.1.1 1995/02/15 14:14:21 ram
?RCS: patch51: created
?RCS:
?MAKE:archname myarchname useversionedarchname: sed Loc Myread Oldconfig \
osname test rm usethreads usemultiplicity use64bitint
use64bitall \
archname64 uselongdouble longdblsize doublesize targetarch Setvar \
api_versionstring usequadmath
?MAKE: -pick add $@ %<
?S:archname:
?S: This variable is a short name to characterize the current
?S: architecture. It is used mainly to construct the default archlib.
?S:.
?S:myarchname:
?S: This variable holds the architecture name computed by Configure in
?S: a previous run. It is not intended to be perused by any user and
?S: should never be set in a hint file.
?S:.
?S:useversionedarchname:
?S: This variable indicates whether to include the $api_versionstring
?S: as a component of the $archname.
?S:.
?C:ARCHNAME:
?C: This symbol holds a string representing the architecture name.
?C: It may be used to construct an architecture-dependant pathname
?C: where library files may be held under a private library, for
?C: instance.
?C:.
?H:#define ARCHNAME "$archname" /**/
?H:.
?T:xxx tarch
?F:!archname.cbu
?INIT:archname=""
: determine the architecture name
echo " "
?X:
We always recompute archname in case osname changes. However, we need
?X: to be careful since, as ADO rightfully pointed out, some systems pick
?X: silly architecture names (0001307135000-aix on AIX or 9000/715-ux under
?X: HP-UX). Therefore, we allow hint files to supersede our guess and ask
?X: the user for confirmation.
if xxx=`./loc arch blurfl $pth`; $test -f "$xxx"; then
tarch=`arch`-$osname"
elif xxx=`./loc uname blurfl $pth`; $test -f "$xxx" ; then
if uname -m > tmparch 2>&1 ; then

```

```

tarch=`$sed -e 's/ *$//' -e 's/ /_/g' \
-e 's/$/"-$osname/" tmparch`
else
tarch="$osname"
fi
$rm -f tmparch
else
tarch="$osname"
fi
case "$myarchname" in
|$tarch) ;;
*)
echo "(Your architecture name used to be $myarchname.)"
archname="
;;
esac
case "$targetarch" in
") ;;
?X: Very GCCian.
*) archname=`echo $targetarch|sed 's,^[^]*-,,'` ;;
esac
myarchname="$tarch"
case "$archname" in
") dflt="$tarch";;
*) dflt="$archname";;
esac
rp='What is your architecture name'
./myread
archname="$ans"

:
optionally add API version to the architecture for versioned archlibs
case "$useversionedarchname" in
$define|true|[yY]*) dflt='y';;
*) dflt='n';;
esac
rp='Add the Perl API version to your archname?'
./myread
case "$ans" in
y|Y) useversionedarchname="$define" ;;
*) useversionedarchname="$undef" ;;
esac
case "$useversionedarchname" in
$define)
case "$archname" in
*-$api_versionstring)
echo "...and architecture name already has -$api_versionstring" >&4
;;

```

```

*)
  archname="$archname-$api_versionstring"
  echo "...setting architecture name to $archname." >&4
  ;;
esac
;;
esac

@if usethreads
case "$usethreads" in
$define)
  echo "Threads selected." >&4
  case "$archname" in
  *-thread*) echo "...and architecture name already has -thread." >&4
  ;;
  *) archname="$archname-thread"
  echo "...setting architecture name to $archname." >&4
  ;;
  esac
  ;;
esac
;;
esac
@end

@if usemultiplicity
case "$usemultiplicity" in
$define)
  echo "Multiplicity selected."
  >&4
  case "$archname" in
  *-multi*) echo "...and architecture name already has -multi." >&4
  ;;
  *) archname="$archname-multi"
  echo "...setting architecture name to $archname." >&4
  ;;
  esac
  ;;
esac
;;
esac
@end

@if use64bitint
case "$use64bitint$use64bitall" in
*"$define"*)
  case "$archname64" in
  ")
  echo "This architecture is naturally 64-bit, not changing architecture name." >&4
  ;;
  *)
  case "$use64bitint" in
  "$define") echo "64 bit integers selected." >&4 ;;
  esac

```

```

case "$use64bitall" in
"$define") echo "Maximal 64 bitness selected." >&4 ;;
esac
case "$archname" in
*-$archname64*) echo "...and architecture name already has $archname64." >&4
;;
*)   archname="$archname-$archname64"
     echo "...setting architecture name to $archname." >&4
;;
esac
;;
esac
esac
@end
@if uselongdouble
case "$uselongdouble" in
$define)
echo "Long doubles selected." >&4
case "$longdblsize" in
$doublesize)
echo "...but long doubles are equal to doubles, not
changing architecture name." >&4
;;
*)
case "$archname" in
*-ld*) echo "...and architecture name already has -ld." >&4
;;
*)   archname="$archname-ld"
     echo "...setting architecture name to $archname." >&4
;;
esac
;;
esac
;;
esac
@end
@if usequadmath
case "$usequadmath" in
$define)
echo "quadmath selected." >&4
case "$archname" in
*-quadmath*) echo "...and architecture name already has -quadmath." >&4
;;
*)   archname="$archname-quadmath"
     echo "...setting architecture name to $archname." >&4
;;
esac
;;

```



```

esac
@end
if $test -f archname.cbu; then
    echo "Your platform has some specific hints for architecture name, using them..."
    . ./archname.cbu
fi

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/archname.U
```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: i_sysun.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_sysun.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:42 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit looks wether <sys/un.h> is available or not
?X:
?MAKE:i_sysun: Inhdr
?MAKE:-pick add $@ %<
?S:i_sysun:
?S: This variable conditionally defines I_SYS_UN, which indicates
?S: to the C program that it should include <sys/un.h> to get UNIX
?S: domain socket definitions.
?S:.
?C:I_SYS_UN:
?C: This symbol, if defined, indicates
?C: to the C program that it should
?C: include <sys/un.h> to get UNIX domain socket definitions.
?C:.
?H:#$i_sysun I_SYS_UN /**/
?H:.
?LINT:set i_sysun
: see if this is a sys/un.h system
set sys/un.h i_sysun
eval $inhdr

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_sysun.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: modetype.U,v 3.0.1.1 1994/10/29 16:25:07 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: modetype.U,v $
?RCS: Revision 3.0.1.1 1994/10/29 16:25:07 ram
?RCS: patch36: created by ADO
?RCS:
?MAKE:modetype: Myread Typedef
?MAKE: -pick add $@ %<
?S:modetype:
?S: This variable defines modetype to be something like mode_t,
?S: int, unsigned short, or whatever type is used to declare file
?S: modes for system calls.
?S:.
?C:Mode_t:
?C: This symbol holds the type used to declare
file modes
?C: for systems calls. It is usually mode_t, but may be
?C: int or unsigned short. It may be necessary to include <sys/types.h>
?C: to get any typedef'ed information.
?C:.
?H:#define Mode_t $modetype /* file mode parameter for system calls */
?H:.
?LINT:set modetype
: see what type is used for mode_t
rp="What is the type used for file modes for system calls (e.g. fchmod())?"
set mode_t modetype int stdio.h sys/types.h
eval $typedef_ask
```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/modetype.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: vendorman3dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera \$

?RCS:

?RCS: Copyright (c) 1999-2000, Andy Dougherty

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: vendorman3dir.U,v \$

?RCS: Revision 1.1 1999/07/08 18:32:57 doughera

?RCS: Initial revision

?RCS:

?MAKE:vendorman3dir vendorman3direxp installvendorman3dir: man3dir Getfile \

Oldconfig Setprefixvar Prefixit test vendorprefix prefix sed

?MAKE: -pick add \$@ %<

?Y:TOP

?S:vendorman3dir:

?S: This variable contains the name of the directory for man3

?S: pages. It may have a ~ on the front.

?S: The standard distribution will put nothing in this directory.

?S: Vendors

who distribute perl may wish to place their own

?S: man3 pages in this directory with

?S: MakeMaker Makefile.PL INSTALLDIRS=vendor

?S: or equivalent. See INSTALL for details.

?S:.

?S:vendorman3direxp:

?S: This variable is the ~name expanded version of vendorman3dir, so that you

?S: may use it directly in Makefiles or shell scripts.

?S:.

?D:installvendorman3dir="

?S:installvendorman3dir:

?S: This variable is really the same as vendorman3direxp but may differ on

?S: those systems using AFS. For extra portability, only this variable

?S: should be used in makefiles.

?S:.

?LINT:change prefixvar

?LINT:set installvendorman3dir

: Set the vendorman3dir variables

case "\$vendorprefix" in

) vendorman3dir="

vendorman3direxp="

;;

\*) : determine where vendor-supplied module manual pages go.

case "\$vendorman3dir" in

) dflt=`echo "\$man3dir" | \$sed "s#^\$prefix#\$vendorprefix#"` ;;

```

*) dflt=$vendorman3dir ;;
esac
case "$dflt" in
"|") dflt=none ;;
esac
fn=nd~+
rp='Pathname
for the vendor-supplied manual section 3 pages?'
./getfile
vendorman3dir="$ans"
vendorman3direxp="$ansexp"
;;
esac
: Use ' ' for none so value is preserved next time through Configure
$test X"$vendorman3dir" = "X" && vendorman3dir=' '
prefixvar=vendorman3dir
./installprefix

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/vendorman3dir.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_setprotoent\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_setprotoent\_r setprotoent\_r\_proto: Inlibc Protochk Hasproto \  
i\_systypes usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_setprotoent\_r:

?S: This variable conditionally defines the HAS\_SETPROTOENT\_R symbol,

?S: which indicates to the C program that the setprotoent\_r()

?S: routine is available.

?S:.

?S:setprotoent\_r\_proto:

?S: This variable encodes the prototype of setprotoent\_r.

?S: It is zero if d\_setprotoent\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_setprotoent\_r

?S: is defined.

?S:.

?C:HAS\_SETPROTOENT\_R:

?C: This symbol, if defined, indicates that the setprotoent\_r

```

routine
?C: is available to setprotoent re-entrantly.
?C:.
?C:SETPROTOENT_R_PROTO:
?C: This symbol encodes the prototype of setprotoent_r.
?C: It is zero if d_setprotoent_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_setprotoent_r
?C: is defined.
?C:.
?H:#$d_setprotoent_r HAS_SETPROTOENT_R /**/
?H:#define SETPROTOENT_R_PROTO $setprotoent_r_proto /**/
?H:.
?T:try hdrs d_setprotoent_r_proto
: see if setprotoent_r exists
set setprotoent_r d_setprotoent_r
eval $inlibc
case "$d_setprotoent_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_netdb netdb.h"
case "$d_setprotoent_r_proto:$usethreads" in
":define") d_setprotoent_r_proto=define
set d_setprotoent_r_proto setprotoent_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_setprotoent_r_proto" in
define)
case "$setprotoent_r_proto" in
"|0) try='int setprotoent_r(int, struct protoent_data*);'
./protochk "$extern_C $try" $hdrs && setprotoent_r_proto=I_ID ;;
esac
case "$setprotoent_r_proto"
in
"|0) try='void setprotoent_r(int, struct protoent_data*);'
./protochk "$extern_C $try" $hdrs && setprotoent_r_proto=V_ID ;;
esac
case "$setprotoent_r_proto" in
"|0) d_setprotoent_r=undef
setprotoent_r_proto=0
echo "Disabling setprotoent_r, cannot determine prototype." >&4 ;;
* ) case "$setprotoent_r_proto" in
REENTRANT_PROTO*) ;;
*) setprotoent_r_proto="REENTRANT_PROTO_$setprotoent_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in

```

```

define) echo "setprotoent_r has no prototype, not using it." >&4 ;;
esac
d_setprotoent_r=undef
setprotoent_r_proto=0
;;
esac
;;
*) setprotoent_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_setprotoent_r.U

```

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?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_j0 d\_j0l: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_j0:

?S: This variable conditionally defines the HAS\_J0 symbol, which

?S: indicates to the C program that the j0() routine is available.

?S:.

?S:d\_j0l:

?S: This variable conditionally defines the HAS\_J0L symbol, which

?S: indicates to the C program that the j0l() routine is available.

?S:.

?C:HAS\_J0:

?C: This symbol, if defined, indicates to the C program that the

?C: j0() function is available for Bessel functions of the first

?C: kind of the order zero, for doubles.

?C:.

?C:HAS\_J0L:

?C: This symbol, if defined, indicates to the C program that the

?C: j0l() function is available for Bessel functions of the first

?C: kind of the order zero, for long doubles.

?C:.

?H:#\$d\_j0 HAS\_J0 /\*\*/

?H:#\$d\_j0l HAS\_J0L /\*\*/

?H:.

?LINT:set

d\_j0

?LINT:set d\_j0l

: see if j0 exists

set j0 d\_j0

eval \$inlibc

```
: see if j0l exists
set j0l d_j0l
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_j0.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_readdir.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
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?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_readdir.U,v $
```

```
?RCS: Revision 3.0.1.1 1994/05/06 14:46:37 ram
```

```
?RCS: patch23: added support for seekdir, telldir and rewinddir (ADO)
```

```
?RCS:
```

```
?RCS: Revision 3.0 1993/08/18 12:06:52 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?X: Force checking for <dirent.h> inclusion
```

```
?X:INC: i_dirent
```

```
?MAKE:d_readdir d_seekdir d_telldir d_rewinddir: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_readdir:
```

```
?S: This variable conditionally defines HAS_READDIR if readdir()
```

```
is
```

```
?S: available to read directory entries.
```

```
?S:.
```

```
?C:HAS_READDIR (READDIR):
```

```
?C: This symbol, if defined, indicates that the readdir routine is
```

```
?C: available to read directory entries. You may have to include
```

```
?C: <dirent.h>. See I_DIRENT.
```

```
?C:.
```

```
?H:#$d_readdir HAS_READDIR /**/
```

```
?H:.
```

```
?S:d_seekdir:
```

```
?S: This variable conditionally defines HAS_SEEKDIR if seekdir() is
```

```
?S: available.
```

```
?S:.
```

```
?C:HAS_SEEKDIR:
```

?C: This symbol, if defined, indicates that the seekdir routine is

?C: available. You may have to include <dirent.h>. See I\_DIRENT.

?C:.

```
?H:#$d_seekdir HAS_SEEKDIR /**/
```

?H:.

?S:d\_telldir:

?S: This variable conditionally defines HAS\_TELLDIR if telldir() is

?S: available.

?S:.

?C:HAS\_TELLDIR:

?C: This symbol, if defined, indicates that the telldir routine is

?C: available. You may have to include <dirent.h>. See I\_DIRENT.

?C:.

```
?H:#$d_telldir HAS_TELLDIR /**/
```

?H:.

?S:d\_rewinddir:

?S: This variable conditionally defines HAS\_REWINDDIR if rewinddir() is

?S: available.

?S:.

?C:HAS\_REWINDDIR:

?C: This

symbol, if defined, indicates that the rewinddir routine is

?C: available. You may have to include <dirent.h>. See I\_DIRENT.

?C:.

```
?H:#$d_rewinddir HAS_REWINDDIR /**/
```

?H:.

?LINT:set d\_readdir d\_seekdir d\_telldir d\_rewinddir

: see if readdir and friends exist

set readdir d\_readdir

eval \$inlibc

@if d\_seekdir || HAS\_SEEKDIR

set seekdir d\_seekdir

eval \$inlibc

@end

@if d\_telldir || HAS\_TELLDIR

set telldir d\_telldir

eval \$inlibc

@end

@if d\_rewinddir || HAS\_REWINDDIR

set rewinddir d\_rewinddir

eval \$inlibc

@end

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_readdir.U

No license file was found, but licenses were detected in source scan.



?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.

?RCS:

?MAKE:i\_stdint: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_stdint:

?S: This variable conditionally defines the I\_STDINT symbol, which

?S: indicates to the C program that <stdint.h> exists and should

?S: be included.

?S:.

?C:I\_STDINT:

?C: This symbol, if defined, indicates that <stdint.h> exists and

?C: should be included.

?C:.

?H:#\$i\_stdint I\_STDINT /\*\*/

?H:.

?LINT:set i\_stdint

: see if stdint is available

set stdint.h i\_stdint

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_stdint.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_pause.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_pause.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:09:54 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:d\_pause: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_pause:

?S: This variable conditionally defines the HAS\_PAUSE symbol, which

?S: indicates to the C program that the pause() routine is available

?S: to suspend a process until a signal is received.

?S:  
?C:HAS\_PAUSE :  
?C: This symbol,  
if defined, indicates that the pause routine is  
?C: available to suspend a process until a signal is received.  
?C:.  
?H:#\$d\_pause HAS\_PAUSE /\*\*/  
?H:.  
?LINT:set d\_pause  
: see if pause exists  
set pause d\_pause  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_pause.U

No license file was found, but licenses were detected in source scan.

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?RCS:

?MAKE:d\_erfc: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_erfc:

?S: This variable conditionally defines the HAS\_ERFC symbol, which

?S: indicates to the C program that the erfc() routine is available.

?S:.

?C:HAS\_ERFC:

?C: This symbol, if defined, indicates that the erfc routine is

?C: available to do the complementary error function.

?C:.

?H:#\$d\_erfc HAS\_ERFC /\*\*/  
?H:.

?LINT:set d\_erfc

: see if erfc exists

set erfc d\_erfc

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_erfc.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

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?RCS:

?RCS: \$Log: d\_times.U,v \$

?RCS: Revision 3.0.1.2 1995/07/25 14:07:50 ram

?RCS: patch56: typo fix, sytem -> system

?RCS:

?RCS: Revision 3.0.1.1 1994/08/29 16:14:00 ram

?RCS: patch32: now uses new Typedef unit to compute type information

?RCS:

?RCS: Revision 3.0 1993/08/18 12:07:46 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: What is the type returned by times() ?

?X:

?X: Force inclusion of <sys/types.h>

?X:INC: i\_systypes

?MAKE:d\_times clocktype: Csym Myread Typedef i\_systimes

?MAKE: -pick

add \$@ %<

?S:d\_times:

?S: This variable conditionally defines the HAS\_TIMES symbol, which indicates

?S: that the times() routine exists. The times() routine is normally

?S: provided on UNIX systems. You may have to include <sys/times.h>.

?S:.

?S:clocktype:

?S: This variable holds the type returned by times(). It can be long,

?S: or clock\_t on BSD sites (in which case <sys/types.h> should be

?S: included).

?S:.

?C:HAS\_TIMES (TIMES):

?C: This symbol, if defined, indicates that the times() routine exists.

?C: Note that this became obsolete on some systems (SUNOS), which now

?C: use getrusage(). It may be necessary to include <sys/times.h>.

?C:.

?C:Clock\_t (CLOCKTYPE):

?C: This symbol holds the type returned by times(). It can be long,

?C: or clock\_t on BSD sites (in which case <sys/types.h> should be

?C: included).

?C:.

?H:#\$d\_times HAS\_TIMES /\*\*/

?H:#define Clock\_t \$clocktype /\* Clock time \*/

?H:.

?T:val inc

: see if times exists

```

echo " "
if set times val -f d_times; eval $csym;
$val; then
echo 'times() found.' >&4
d_times="$define"
inc=""
case "$i_systimes" in
"$define") inc='sys/times.h';
esac
set clock_t clocktype long stdio.h sys/types.h $inc
eval $typedef
dflt="$clocktype"
echo " "
rp="What type is returned by times() on this system?"
./myread
clocktype="$ans"
else
echo 'times() NOT found, hope that will do.' >&4
d_times="$undef"
?X: The following is needed for typedef (won't like an empty variable)
clocktype='int'
fi

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_times.U
```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_regcmp.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_regcmp.U,v $
?RCS: Revision 3.0.1.1 1995/01/30 14:34:45 ram
?RCS: patch49: now looks for POSIX regcomp() routine
?RCS:
?RCS: Revision 3.0 1993/08/18 12:06:53 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_regcmp d_re_comp d_regcomp: Csym cat
?MAKE:-pick add $@ %<
?S:d_regcomp:

```

?S: This variable conditionally defines the HAS\_REGCOMP symbol, which  
 ?S: indicates to the C program that the regcomp() routine is available  
 ?S: for regular  
 pattern matching (usually on POSIX.2 conforming systems).  
 ?S:.

?S:d\_regcmp:  
 ?S: This variable conditionally defines the HAS\_REGCOMP symbol, which  
 ?S: indicates to the C program that the regcmp() routine is available  
 ?S: for regular pattern matching (usually on System V).  
 ?S:.

?S:d\_re\_comp:  
 ?S: This variable conditionally defines the HAS\_RECOMP symbol, which  
 ?S: indicates to the C program that the re\_comp() routine is available  
 ?S: for regular pattern matching (usually on BSD). If so, it is likely that  
 ?S: re\_exec() exists.  
 ?S:.

?C:HAS\_REGCOMP (REGCOMP):  
 ?C: This symbol, if defined, indicates that the regcomp() routine is  
 ?C: available to do some regular pattern matching (usually on POSIX.2  
 ?C: conforming systems).  
 ?C:.

?C:HAS\_REGCMP (REGCMP):  
 ?C: This symbol, if defined, indicates that the regcmp() routine is  
 ?C: available to do some regular pattern matching (usually on System V).  
 ?C:.

?C:HAS\_RECOMP (RECOMP):  
 ?C: This symbol, if defined, indicates that the re\_comp() routine is  
 ?C: available  
 to do some regular pattern matching (usually on BSD). If so,  
 ?C: it is likely that re\_exec() be available.  
 ?C:.

?H:#\$d\_regcomp HAS\_REGCOMP /\* POSIX.2 \*/  
 ?H:#\$d\_regcmp HAS\_REGCMP /\* sysV \*/  
 ?H:#\$d\_re\_comp HAS\_RECOMP /\* BSD \*/  
 ?H:.

?T:val  
 : see if regcomp, regcmp, or re\_comp exist, for regular pattern matching  
 echo " "  
 if set regcomp val -f d\_regcomp; eval \$csym; \$val; then  
 echo 'regcomp() found.' >&4  
 d\_regcomp="\$define"  
 d\_regcmp="\$undef"  
 d\_re\_comp="\$undef"  
 elif set regcmp val -f d\_regcmp; eval \$csym; \$val; then  
 echo 'regcmp() found.' >&4  
 d\_regcmp="\$define"  
 d\_regcomp="\$undef"  
 d\_re\_comp="\$undef"

```

elif set re_comp val -f d_re_comp; eval $csym; $val; then
echo 're_comp() found, assuming re_exec() also exists.' >&4
d_re_comp="$define"
d_regcomp="$undef"
d_regcmp="$undef"
else
$cat >&4 <<EOM
No regcomp(), regcmp() nor re_comp() found !! No regular pattern matching.
EOM
d_regcmp="$undef"
d_re_comp="$undef"
d_regcomp="$undef"
fi

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_regcmp.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: maildir.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: maildir.U,v \$

?RCS: Revision 3.0.1.1 1993/12/15 08:21:56 ram

?RCS: patch15: now also looks under /var/mail for BSD/386

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:09 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:maildir maildirexp: Getfile Loc Oldconfig

?MAKE: -pick add \$@ %<

?S:maildir:

?S: This variable contains the name of the directory in which mail is

?S: spooled. Programs using this variable must be prepared to deal with

?S: ~name

substitutions.

?S:.

?S:maildirexp:

?S: This is the same as the maildir variable, but is filename expanded

?S: at configuration time, for programs not willing to deal with it at

?S: run-time.

```
?S:
: determine where mail is spooled
case "$maildir" in
") dflt=`./loc . /usr/spool/mail /usr/spool/mail /usr/mail /var/mail`;;
*) dflt="$maildir";;
esac
echo " "
fn=d~
rp='Where is yet-to-be-read mail spooled?'
./getfile
maildir="$ans"
maildirexp="$ansexp"
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/maildir.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_sysun.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:42 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit looks wether <inttypes.h> is available or not

?X:

?MAKE:i\_inttypes: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_inttypes:

?S: This variable conditionally defines I\_INTTYPES, which indicates

?S: to the C program that it should include <inttypes.h> to get

?S: format conversions of integer types.

?S:.

?C:I\_INTTYPES:

?C: This symbol, if defined, indicates to the C program that it should

?C: include

<inttypes.h> to get format conversions of integer types.

?C:.

?H:#\$i\_inttypes I\_INTTYPES /\*\*/

```
?H:
?LINT:set i_inttypes
: see if this is a inttypes.h system
set inttypes.h i_inttypes
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_inttypes.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_libutil.U,v $
```

```
?RCS:
```

```
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:i_libutil: Inhdr Hasfield
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_libutil:
```

```
?S: This variable conditionally defines the I_LIBUTIL symbol, and indicates
```

```
?S: whether a C program should include <libutil.h>.
```

```
?S:.
```

```
?C:I_LIBUTIL:
```

```
?C: This symbol, if defined, indicates that <libutil.h> exists and
```

```
?C: should be included.
```

```
?C:.
```

```
?H:#$i_libutil I_LIBUTIL /**/
```

```
?H:
```

```
?LINT:set i_libutil
```

```
: see if this is a libutil.h system
```

```
set libutil.h i_libutil
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_libutil.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

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```

```
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```



```

?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_statblks.U,v $
?RCS: Revision 3.0 1993/08/18 12:07:29 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_statblks: contains Setvar Findhdr
?MAKE: -pick add $@ %<
?S:d_statblks:
?S: This variable conditionally defines USE_STAT_BLOCKS if this system
?S: has a stat structure declaring st_blksize and st_blocks.
?S:.
?C:USE_STAT_BLOCKS (STATBLOCKS):
?C: This symbol is defined if this system has a stat structure declaring
?C: st_blksize and st_blocks.
?C:.
?H:#$d_statblks USE_STAT_BLOCKS
/**/
?H:.
?T:xxx
?LINT:set d_statblks
: see if stat knows about block sizes
echo " "
xxx=`./findhdr sys/stat.h`
if $contains 'st_blocks;' "$xxx" >/dev/null 2>&1 ; then
if $contains 'st_blksize;' "$xxx" >/dev/null 2>&1 ; then
echo "Your stat() knows about block sizes." >&4
val="$define"
else
echo "Your stat() doesn't know about block sizes." >&4
val="$undef"
fi
else
echo "Your stat() doesn't know about block sizes." >&4
val="$undef"
fi
set d_statblks
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_statblks.U

```

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_truncl: Inlibc

```
?MAKE: -pick add $@ %<
?S:d_truncl:
?S: This variable conditionally defines the HAS_TRUNCL symbol, which
?S: indicates to the C program that the truncl() routine is available
?S: to round long doubles towards zero. If copysignl is also present,
?S: we can emulate modfl.
?S:.
?C:HAS_TRUNCL :
?C: This symbol, if defined, indicates that the truncl routine is
?C: available. If copysignl is also present we can emulate modfl.
?C:.
?H:#$d_truncl HAS_TRUNCL /**/
?H:.
?LINT:set d_truncl
: see if truncl exists
set truncl d_truncl
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_truncl.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: h_sysfile.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: h_sysfile.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:13 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:h_sysfile: Nothing
?MAKE: -pick add $@ %<
?S:h_sysfile:
?S: This is variable gets set in various places to tell i_sys_file that
?S: <sys/file.h> should be included.
?S:.
: Initialize h_sysfile
h_sysfile=false
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
```

5.30.0/dist/U/h\_sysfile.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: orgname.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: orgname.U,v $
?RCS: Revision 3.0.1.1 1993/09/13 16:10:25 ram
?RCS: patch10: added support for /local/src to the search (WAD)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:27 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:orgname: sed cat Myread Loc Oldconfig
?MAKE: -pick add $@ %<
?S:orgname:
?S: This variable contains the eventual value of the ORGNAME symbol,
?S: which contains either the organization name or the full pathname
?S: of
    a file containing the organization name.
?S:.
?C:ORGNAME:
?C: This symbol contains either the organization name or the full pathname
?C: of a file containing the organization name, which the program must
?C: be prepared to open and substitute the contents of.
?C:.
?H:#define ORGNAME "$orgname" /**/
?H:.
?T:longshots xxx
: get organization name
longshots='/local/src /usr/src/new /usr/src/local /usr/local/src'
case "$orgname" in
") if xxx=`./loc news/src/defs.h x $longshots`; then
    dflt=`$sed -n 's/^. *MYORG[ ]*"(.*)" .*$/1/p' $xxx`
    else
        dflt=""
    fi
;;
*) dflt="$orgname";;
esac
$cat << 'EOH'
```

Please type the name of your organization as you want it to appear on the Organization line of outgoing articles. (It's nice if this also specifies your location. Your city name is probably sufficient if well known.)  
For example:

University of Southern North Dakota, Hoople

You may also put the name of a file, as long as it begins with a slash.  
For example:

/etc/organization

```
EOH
orgname=""
while
test "X$orgname" = "X"; do
rp='Organization:'
. ./myread
orgname="$ans"
done
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/orgname.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_waitpid.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_waitpid.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:02 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_waitpid: Inlibc
?MAKE: -pick add $@ %<
?S:d_waitpid:
?S: This variable conditionally defines HAS_WAITPID if waitpid() is
?S: available to wait for child process.
?S:.
?C:HAS_WAITPID (WAITPID):
```

?C: This symbol, if defined, indicates that the waitpid routine is

?C: available to wait for child process.

?C:.

?H:#\$d\_waitpid HAS\_WAITPID /\*\*/

?H:.

?LINT:set

d\_waitpid

: see if waitpid exists

set waitpid d\_waitpid

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_waitpid.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_wcstombs.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS:

?RCS: \$Log: d\_wcstombs.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:03 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_wcstombs: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_wcstombs:

?S: This variable conditionally defines the HAS\_WCSTOMBS symbol, which

?S: indicates to the C program that the wcstombs() routine is available

?S: to convert wide character strings to multibyte strings.

?S:.

?C:HAS\_WCSTOMBS:

?C: This symbol, if defined, indicates that the wcstombs

routine is

?C: available to convert wide character strings to multibyte strings.

?C:.

?H:#\$d\_wcstombs HAS\_WCSTOMBS /\*\*/

?H:.

?LINT:set d\_wcstombs

: see if wcstombs exists

set wcstombs d\_wcstombs

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_wcstombs.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_group.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_group.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 15:34:52 ram

?RCS: patch61: useless unit dropped.

?RCS:

?RCS: Revision 3.0.1.1 1994/08/29 16:07:48 ram

?RCS: patch32: created by ADO

?RCS:

?X:

?X: Useless unit dropped.

?X:

?LINT:empty

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_group.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_gconvert.U,v 3.0.1.3 1997/02/28 15:33:38 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_gconvert.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 15:33:38 ram  
 ?RCS: patch61: integrated new unit from perl5  
 ?RCS:  
 ?RCS: Revision 3.0.1.2 1995/07/25 13:55:59 ram  
 ?RCS: patch56: improved comments about the Gconvert macro (ADO)  
 ?RCS: patch56: force compile-link test since it may exist but be unusable (ADO)  
 ?RCS:  
 ?RCS: Revision 3.0.1.1 1994/10/29 16:12:51 ram  
 ?RCS: patch36:  
 created by ADO  
 ?RCS:  
 ?MAKE:d\_Gconvert: \  
 Compile cat Inlibc rm \_o rm\_try i\_stdlib d\_qgcvt run \  
 uselongdouble d\_longdbl d\_PRIgdbl sPRIgdbl  
 ?MAKE: -pick add \$@ %<  
 ?S:d\_Gconvert:  
 ?S: This variable holds what Gconvert is defined as to convert  
 ?S: floating point numbers into strings. By default, Configure  
 ?S: sets this macro to use the first of gconvert, gcvt, or sprintf  
 ?S: that pass sprintf-%g-like behavior tests. If perl is using  
 ?S: long doubles, the macro uses the first of the following  
 ?S: functions that pass Configure's tests: qgcvt, sprintf (if  
 ?S: Configure knows how to make sprintf format long doubles--see  
 ?S: sPRIgdbl), gconvert, gcvt, and sprintf (casting to double).  
 ?S: The gconvert\_preference and gconvert\_ld\_preference variables  
 ?S: can be used to alter Configure's preferences, for doubles and  
 ?S: long doubles, respectively. If present, they contain a  
 ?S: space-separated list of one or more of the above function  
 ?S: names in the order they should be tried.  
 ?S:  
 ?S: d\_Gconvert  
 may be set to override Configure with a platform-  
 ?S: specific function. If this function expects a double, a  
 ?S: different value may need to be set by the uselongdouble.cbu  
 ?S: call-back unit so that long doubles can be formatted without  
 ?S: loss of precision.  
 ?S:.  
 ?C:Gconvert:  
 ?C: This preprocessor macro is defined to convert a floating point  
 ?C: number to a string without a trailing decimal point. This  
 ?C: emulates the behavior of sprintf("%g"), but is sometimes much more  
 ?C: efficient. If gconvert() is not available, but gcvt() drops the  
 ?C: trailing decimal point, then gcvt() is used. If all else fails,  
 ?C: a macro using sprintf("%g") is used. Arguments for the Gconvert  
 ?C: macro are: value, number of digits, whether trailing zeros should  
 ?C: be retained, and the output buffer.  
 ?C: The usual values are:  
 ?C: d\_Gconvert='gconvert((x),(n),(t),(b))'

```

?C: d_Gconvert='gcvrt((x),(n),(b))'
?C: d_Gconvert='sprintf((b),"%.*g",(n),(x))'
?C: The last two assume trailing zeros should
not be kept.
?C:.
?H:#define Gconvert(x,n,t,b) $d_Gconvert
?H:.
?T: xxx_list xxx_convert xxx_ld_list
?F:!try
?LINT:extern gconvert_preference
?LINT:extern gconvert_ld_preference
: Check how to convert floats to strings.

if test "X$d_Gconvert" = X; then

echo " "
echo "Checking for an efficient way to convert floats to strings."
echo " " > try.c
case "$uselongdouble" in
"$define") echo "#define USE_LONG_DOUBLE" >>try.c ;;
esac
case "$d_longdbl" in
"$define") echo "#define HAS_LONG_DOUBLE" >>try.c ;;
esac
case "$d_PRIgdbl" in
"$define") echo "#define HAS_PRIgdbl" >>try.c ;;
esac
$cat >>try.c <<EOP
#ifdef TRY_gconvert
#define Gconvert(x,n,t,b) gconvert((x),(n),(t),(b))
char *myname = "gconvert";
#endif
#ifdef TRY_gcvt
#define Gconvert(x,n,t,b) gcvrt((x),(n),(b))
char *myname = "gcvrt";
#endif
#ifdef TRY_qgcvrt
#define Gconvert(x,n,t,b) qgcvrt((x),(n),(b))
char *myname = "qgcvrt";
#define DOUBLETYP long double
#endif
#ifdef TRY_sprintf
#if defined(USE_LONG_DOUBLE) && defined(HAS_LONG_DOUBLE)
#ifdef
HAS_PRIgdbl
#define Gconvert(x,n,t,b) sprintf((b),"%.*"$sPRIgdbl,(n),(x))
#else
#define Gconvert(x,n,t,b) sprintf((b),"%.*g",(n),(double)(x))

```



```

#endif
#else
#define Gconvert(x,n,t,b) sprintf((b),"%.*g", (n),(x))
#endif
char *myname = "sprintf";
#endif

#ifndef DOUBLETYPED
#if defined(USE_LONG_DOUBLE) && defined(HAS_LONG_DOUBLE)
#define DOUBLETYPED long double
#else
#define DOUBLETYPED double
#endif
#endif

#include <stdio.h>

#ifdef I_STDLIB
#include <stdlib.h>
#endif
#include <string.h>

int checkit(char *expect, char *got)
{
    if (strcmp(expect, got)) {
        printf("%s oddity: Expected %s, got %s\n",
            myname, expect, got);
        exit(1);
    }
}

int main()
{
    char buf[64];
    buf[63] = '\0';

    /* This must be 1st test on (which?) platform */
    /* Alan Burlison <AlanBurlison@unn.unisys.com> */
    Gconvert((DOUBLETYPED)0.1, 8, 0, buf);
    checkit("0.1", buf);

    Gconvert((DOUBLETYPED)0.01, 8, 0, buf);
    checkit("0.01", buf);

    Gconvert((DOUBLETYPED)0.001, 8, 0, buf);
    checkit("0.001",

```

```

buf);

Gconvert((DOUBLETYP)0.0001, 8, 0, buf);
checkit("0.0001", buf);

Gconvert((DOUBLETYP)0.00009, 8, 0, buf);
if (strlen(buf) > 5)
    checkit("9e-005", buf); /* for Microsoft ?? */
else
    checkit("9e-05", buf);

Gconvert((DOUBLETYP)1.0, 8, 0, buf);
checkit("1", buf);

Gconvert((DOUBLETYP)1.1, 8, 0, buf);
checkit("1.1", buf);

Gconvert((DOUBLETYP)1.01, 8, 0, buf);
checkit("1.01", buf);

Gconvert((DOUBLETYP)1.001, 8, 0, buf);
checkit("1.001", buf);

Gconvert((DOUBLETYP)1.0001, 8, 0, buf);
checkit("1.0001", buf);

Gconvert((DOUBLETYP)1.00001, 8, 0, buf);
checkit("1.00001", buf);

Gconvert((DOUBLETYP)1.000001, 8, 0, buf);
checkit("1.000001", buf);

Gconvert((DOUBLETYP)0.0, 8, 0, buf);
checkit("0", buf);

Gconvert((DOUBLETYP)-1.0, 8, 0, buf);
checkit("-1", buf);

/* Some Linux gcvt's give 1.e+5 here. */
Gconvert((DOUBLETYP)100000.0, 8, 0, buf);
checkit("100000", buf);

/* Some Linux gcvt's give -1.e+5 here. */
Gconvert((DOUBLETYP)-100000.0,
8, 0, buf);
checkit("-100000", buf);

Gconvert((DOUBLETYP)123.456, 8, 0, buf);

```

```

checkit("123.456", buf);

/* Testing of 1e+129 in bigintpm.t must not get extra '!' here. */
Gconvert((DOUBLETTYPE)1e34, 8, 0, buf);
/* 34 should be enough to scare even long double
* places into using the e notation. */
if (strlen(buf) > 5)
    checkit("1e+034", buf); /* for Microsoft */
else
    checkit("1e+34", buf);

/* For Perl, if you add additional tests here, also add them to
* t/base/num.t for benefit of platforms not using Configure or
* overriding d_Gconvert */

exit(0);
}
EOP
?X: List of order in which to search for functions.
?X: Usual order of efficiency is gconvert gcvt sprintf
?X: If a hint file sets a d_Gconvert="gconvert" or "gcvt" or "sprintf",
?X: then that is taken as a hint for which function to try first.
?X: (e.g. that function may be in a problematic /usr/ucblib library, and
?X: the user may or may not choose to use -lucb stuff.)
?X: Any other hint file
(or previous config.sh) setting is left intact.
: first add preferred functions to our list
xxx_list=""
for xxx_convert in $gconvert_preference; do
    case $xxx_convert in
        gcvt|gconvert|sprintf) xxx_list="$xxx_list $xxx_convert" ;;
        *) echo "Discarding unrecognized gconvert_preference $xxx_convert" >&4 ;;
    esac
done
: then add any others
for xxx_convert in gconvert gcvt sprintf; do
    case "$xxx_list" in
        *$xxx_convert*) ;;
        *) xxx_list="$xxx_list $xxx_convert" ;;
    esac
done

case "$d_longdbl$uselongdouble" in
"$define$define")
    : again, add preferred functions to our list first
    xxx_ld_list=""
    for xxx_convert in $gconvert_ld_preference; do
        case $xxx_convert in

```

```

    qgcvt|gcv|gconvert|sprintf) xxx_ld_list="$xxx_ld_list $xxx_convert" ;;
    *) echo "Discarding unrecognized gconvert_ld_preference $xxx_convert" ;;
    esac
done
: then add qgcvt, sprintf--then, in xxx_list order, gconvert and gcv
for xxx_convert in qgcvt sprintf
$xxx_list; do
    case "$xxx_ld_list" in
        $xxx_convert*|*" $xxx_convert"*) ;;
        *) xxx_ld_list="$xxx_ld_list $xxx_convert" ;;
    esac
done
: if sprintf cannot do long doubles, move it to the end
if test "$d_PRIgdbl" != "$define"; then
    xxx_ld_list="`echo $xxx_ld_list|sed s/sprintf//^ sprintf"
fi
: if no qgcvt, remove it
if test "$d_qgcvt" != "$define"; then
    xxx_ld_list="`echo $xxx_ld_list|sed s/qgcvt/^"
fi
: use the ld_list
xxx_list="$xxx_ld_list"
;;
esac

for xxx_convert in $xxx_list; do
    echo "Trying $xxx_convert..."
?X: Do NOT use $rm_try here, as we need to keep try.c
$rm -f try try$_o core
set try -DTRY_$xxx_convert
if eval $compile; then
    echo "$xxx_convert() found." >&4
    if $run ./try; then
        echo "I'll use $xxx_convert to convert floats into a string." >&4
        break;
    else
        echo "...But $xxx_convert didn't work as I expected."
        xxx_convert="
    fi
else
    echo "$xxx_convert NOT found."
>&4
fi
done

if test X$xxx_convert = X; then
    echo "**** WHOA THERE!!! ****" >&4
    echo "None of ($xxx_list) seemed to work properly. I'll use sprintf." >&4

```

```

xxx_convert=sprintf
fi

case "$xxx_convert" in
gconvert) d_Gconvert='gconvert((x),(n),(t),(b))' ;;
gcvt) d_Gconvert='gcvt((x),(n),(b))' ;;
qgcvt) d_Gconvert='qgcvt((x),(n),(b))' ;;
*) case "$uselongdouble$d_longdbl$d_PRIgldbl" in
"$define$define$define")
d_Gconvert="sprintf((b),\"%.*\">$PRIgldbl,(n),(x))" ;;
"$define$define$undef")
d_Gconvert='sprintf((b),"%.*g", (n),(double)(x))' ;;
*) d_Gconvert='sprintf((b),"%.*g", (n),(x))' ;;
esac
;;
esac

fi
$rm_try

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_gconvert.U
```

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Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patcil
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/manifake
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patpost
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/kitsend
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patftp
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patclean
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/makedist
*
/opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/mlint
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patsnap
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
```

5.30.0/dist/files/fixcpp  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patnotify  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/makegloss  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patmake  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/metaconfig  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/kitpost  
\*  
/opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/manicheck  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patbase  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/jmake  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patindex  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/metalint  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/mconfig  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patcol  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/bindex  
\*  
/opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patlog  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/packinit  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/errnolist.mk  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/jmkmf  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/manilist  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patdiff  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patname  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/pat  
\*  
/opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patsend

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/makeSH
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: vendorlib.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1999, Andy Dougherty
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?RCS: $Log: vendorlib.U,v $
```

```
?RCS: Revision 1.1 1999/07/08 18:32:57 doughera
```

```
?RCS: Initial revision
```

```
?RCS:
```

```
?MAKE:d_vendorlib vendorlib vendorlibexp installvendorlib vendorlib_stem: \
```

```
Getfile Setprefixvar Oldconfig Prefixit package vendorprefix sed \
```

```
installstyle version
```

```
?MAKE: -pick add $@ %<
```

```
?Y:TOP
```

```
?S:vendorlib:
```

```
?S: This variable contains the eventual value of the VENDORLIB symbol,
```

```
?S: which is the name of the private library for this package.
```

```
?S: The standard
```

```
distribution will put nothing in this directory.
```

```
?S: Vendors who distribute perl may wish to place their own
```

```
?S: modules in this directory with
```

```
?S: MakeMaker Makefile.PL INSTALLDIRS=vendor
```

```
?S: or equivalent. See INSTALL for details.
```

```
?S:.
```

```
?S:vendorlibexp:
```

```
?S: This variable is the ~name expanded version of vendorlib, so that you
```

```
?S: may use it directly in Makefiles or shell scripts.
```

```
?S:.
```

```
?D:installvendorlib="
```

```
?S:installvendorlib:
```

```
?S: This variable is really the same as vendorlibexp but may differ on
```

```
?S: those systems using AFS. For extra portability, only this variable
```

```
?S: should be used in makefiles.
```

```
?S:.
```

```
?S:d_vendorlib:
```

```
?S: This variable conditionally defines PERL_VENDORLIB.
```

```
?S:.
```

```
?S:vendorlib_stem:
```

```
?S: This variable is $vendorlibexp with any trailing version-specific component
```

?S: removed. The elements in inc\_version\_list (inc\_version\_list.U) can  
 ?S: be tacked onto this variable to generate a list of directories to search.  
 ?S:.  
 ?C:PERL\_VENDORLIB:  
 ?C: If defined, this symbol contains  
 the name of a private library.  
 ?C: The library is private in the sense that it needn't be in anyone's  
 ?C: execution path, but it should be accessible by the world. The program  
 ?C: should be prepared to do ~ expansion.  
 ?C: The standard distribution will put nothing in this directory.  
 ?C: Vendors who distribute perl may wish to place their own  
 ?C: modules in this directory with  
 ?C: MakeMaker Makefile.PL INSTALLDIRS=vendor  
 ?C: or equivalent. See INSTALL for details.  
 ?C:.  
 ?C:PERL\_VENDORLIB\_EXP:  
 ?C: This symbol contains the ~name expanded version of VENDORLIB, to be used  
 ?C: in programs that are not prepared to deal with ~ expansion at run-time.  
 ?C:.  
 ?C:PERL\_VENDORLIB\_STEM:  
 ?C: This define is PERL\_VENDORLIB\_EXP with any trailing version-specific component  
 ?C: removed. The elements in inc\_version\_list (inc\_version\_list.U) can  
 ?C: be tacked onto this variable to generate a list of directories to search.  
 ?C:.  
 ?H:#\$d\_vendorlib PERL\_VENDORLIB "\$vendorlib" /\*\*/  
 ?H:#\$d\_vendorlib PERL\_VENDORLIB\_EXP  
 "\$vendorlibexp" /\*\*/  
 ?H:#\$d\_vendorlib PERL\_VENDORLIB\_STEM "\$vendorlib\_stem" /\*\*/  
 ?H:.  
 ?T:prog  
 ?LINT:change prefixvar  
 ?LINT:set installvendorlib  
 : Set the vendorlib variables  
 case "\$vendorprefix" in  
 ") d\_vendorlib="\$Sundef"  
 vendorlib="  
 vendorlibexp="  
 ;;  
 \*) d\_vendorlib="\$define"  
 : determine where vendor-supplied modules go.  
 : Usual default is /usr/local/lib/perl5/vendor\_perl/\$version  
 case "\$vendorlib" in  
 ")  
 ?X: remove any trailing -3.0 or other version identification  
 prog=`echo \$package | \$sed 's/-\*[0-9.]\*\$//`  
 case "\$installstyle" in  
 \*lib/perl5\*) dflt=\$vendorprefix/lib/\$package/vendor\_\$prog/\$version ;;  
 \*) dflt=\$vendorprefix/lib/vendor\_\$prog/\$version ;;



```

esac
;;
*) dflt="$vendorlib"
;;
esac
fn=d~+
rp='Pathname for the vendor-supplied library files?'
./getfile
vendorlib="$ans"
vendorlibexp="$ansexp"
;;
esac
vendorlib_stem=`echo "$vendorlibexp" | sed "s,/.$version$,,"`
prefixvar=vendorlib
./installprefix

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/vendorlib.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_ttyname\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_ttyname\_r ttyname\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads i\_unistd extern\_C

?MAKE: -pick add \$@ %<

?S:d\_ttyname\_r:

?S: This variable conditionally defines the HAS\_TTYNAME\_R symbol,

?S: which indicates to the C program that the ttyname\_r()

?S: routine is available.

?S:.

?S:ttyname\_r\_proto:

?S: This variable encodes the prototype of ttyname\_r.

?S: It is zero if d\_ttyname\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_ttyname\_r

?S: is defined.

?S:.

?C:HAS\_TTYNAME\_R:

?C: This symbol, if defined, indicates that the ttyname\_r routine

?C: is available to ttyname re-entrantly.

?C:.

?C:TTYNAME\_R\_PROTO:

```

?C: This
symbol encodes the prototype of ttyname_r.
?C: It is zero if d_ttyname_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_ttyname_r
?C: is defined.
?C:.
?H: # $d_ttyname_r HAS_TTYNAME_R /**/
?H: # define TTYNAME_R_PROTO $ttyname_r_proto /**/
?H:.
?T: try hdrs d_ttyname_r_proto
: see if ttyname_r exists
set ttyname_r d_ttyname_r
eval $inlibc
case "$d_ttyname_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_unistd unistd.h"
case "$d_ttyname_r_proto:$usethreads" in
":define") d_ttyname_r_proto=define
set d_ttyname_r_proto ttyname_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_ttyname_r_proto" in
define)
case "$ttyname_r_proto" in
"|0) try='int ttyname_r(int, char*, size_t);'
./protochk "$$extern_C $try" $hdrs && ttyname_r_proto=I_IBW ;;
esac
case "$ttyname_r_proto" in
"|0) try='int ttyname_r(int, char*, int);'
./protochk "$$extern_C $try" $hdrs && ttyname_r_proto=I_IBI ;;
esac
case "$ttyname_r_proto"
in
"|0) try='char* ttyname_r(int, char*, int);'
./protochk "$$extern_C $try" $hdrs && ttyname_r_proto=B_IBI ;;
esac
case "$ttyname_r_proto" in
"|0) d_ttyname_r=undef
ttyname_r_proto=0
echo "Disabling ttyname_r, cannot determine prototype." >&4 ;;
* ) case "$ttyname_r_proto" in
REENTRANT_PROTO*) ;;
*) ttyname_r_proto="REENTRANT_PROTO_$ttyname_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;

```

```

*) case "$usethreads" in
define) echo "ttyname_r has no prototype, not using it." >&4 ;;
esac
d_ttyname_r=undef
ttyname_r_proto=0
;;
esac
;;
*) ttyname_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_ttyname_r.U

```

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?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2009 H.Merijn Brand

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_getaddrinfo: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getaddrinfo:

?S: This variable conditionally defines the HAS\_GETADDRINFO symbol,

?S: which indicates to the C program that the getaddrinfo() function

?S: is available.

?S:.

?C:HAS\_GETADDRINFO:

?C: This symbol, if defined, indicates that the getaddrinfo() function

?C: is available for use.

?C:.

?H:#\$d\_getaddrinfo HAS\_GETADDRINFO /\*\*/

?H:.

?LINT:set d\_getaddrinfo

: see if getaddrinfo exists

set getaddrinfo d\_getaddrinfo

eval \$inlibc

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_getaddrinfo.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_sysdir.U 1 2006-08-24 12:32:52Z rmanfredi \$

```

?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_sysdir.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:22:30 ram
?RCS: patch32: fixed typo in I_SYS_DIR symbol name
?RCS:
?RCS: Revision 3.0 1993/08/18 12:08:30 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:i_sysdir: Inhdr
?MAKE: -pick add $@ %<
?S:i_sysdir:
?S: This variable conditionally defines the I_SYS_DIR symbol, and indicates
?S: whether a C program should include <sys/dir.h>.
?S:.
?C:I_SYS_DIR (I_SYSDIR):
?C: This symbol, if
defined, indicates to the C program that it should
?C: include <sys/dir.h>.
?C:.
?H:#$i_sysdir I_SYS_DIR /**/
?H:.
?LINT:set i_sysdir
: see if this is an sysdir system
set sys/dir.h i_sysdir
eval $inhdr

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_sysdir.U
```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.

```

```

?RCS:
?RCS: $Log: Whoa.U,v $
?RCS: Revision 3.0.1.2 1997/02/28 15:21:21 ram
?RCS: patch61: whoa script now starts with leading "startsh"
?RCS:
?RCS: Revision 3.0.1.1 1994/10/29 16:02:01 ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:19 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a bit of shell code that must be dotted in in order
?X: to warn the user in case a change into a variable is noticed.
?X:
?X: To use this
    unit, $was must hold the old value that has changed. Upon
?X: exit, the two variables $td and $tu are set to the correct value for
?X: respectively defining or undefining a variable. For instance, if $was was
?X: $undef, but now $var is $define, after calling . whoa, you should use
?X: eval "$var=\$tu" to finally set $var to the correct value. See unit Inlibc.
?X:
?MAKE:Whoa: Myread startsh hint
?MAKE: -pick add $@ %<
?F:./whoa
?T:var was
?LINT:change td tu
: set up the script used to warn in case of inconsistency
cat <<EOS >whoa
$startsh
EOS
cat <<'EOOSC' >>whoa
dflt=y
echo " "
echo "*** WHOA THERE!!! ***" >&4
echo "  The $hint value for \$$var on this machine was \"\$was\!" >&4
rp="  Keep the $hint value?"
./myread
case "$ans" in
y) td=$was; tu=$was;;
esac
EOOSC

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Whoa.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_statblks.U,v 3.0 1993/08/18 12:07:29 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: d_statblks.U,v $
?RCS: Revision 3.0 1993/08/18 12:07:29 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_statblks: Hasfield i_sysstat
?MAKE: -pick add $@ %<
?S:d_statblks:
?S: This variable conditionally defines USE_STAT_BLOCKS
?S: if this system has a stat structure declaring
?S: st_blksize and st_blocks.
?S:.
?C:USE_STAT_BLOCKS (STATBLOCKS):
?C: This symbol is defined if this system has a stat structure declaring
?C: st_blksize and st_blocks.
?C:.
?H:?%<:#ifndef
USE_STAT_BLOCKS
?H:?%<:#$d_statblks USE_STAT_BLOCKS /**/
?H:?%<:#endif
?H:.
?LINT:set d_statblks
: see if stat knows about block sizes
echo " "
echo "Checking to see if your struct stat has st_blocks field..." >&4
set d_statblks stat st_blocks $i_sysstat sys/stat.h
eval $hasfield

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_statblks.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: spitshell.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.

```

?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: spitshell.U,v \$  
?RCS: Revision 3.0.1.4 1997/02/28 16:22:12 ram  
?RCS: patch61: removed useless chatter as this is now done very early  
?RCS:  
?RCS: Revision 3.0.1.3 1995/01/11 15:37:01 ram  
?RCS: patch45: use 'test -f' instead of 'test -r' for exec-only cat progs (WED)  
?RCS: patch45: protected "sh -c" within backquotes for Linux and SGI  
?RCS:  
?RCS: Revision 3.0.1.2 1994/08/29 16:33:00 ram  
?RCS: patch32: don't create spitshell under the UU directory  
?RCS:  
patch32: allow for cat in /bin or /usr/bin  
?RCS:  
?RCS: Revision 3.0.1.1 1993/09/13 16:12:58 ram  
?RCS: patch10: made #-failure message more friendly (WAD)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:49 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:spitshell shsharp sharpbang: eunicefix sh Head  
?MAKE: -pick add \$@ %<  
?S:spitshell:  
?S: This variable contains the command necessary to spit out a runnable  
?S: shell on this system. It is either cat or a grep -v for # comments.  
?S:.  
?S:shsharp:  
?S: This variable tells further Configure units whether your sh can  
?S: handle # comments.  
?S:.  
?S:sharpbang:  
?S: This variable contains the string #! if this system supports that  
?S: construct.  
?S:.  
?F:!sharp  
?T:xcat p  
?X: "paths" comes from Head  
?LINT:extern paths \_exe  
: see if sh knows # comments  
?X: This is loaded up early, so avoid being chatty.  
?X: echo " "  
?X: echo "Checking your \$sh to see if it knows about # comments..." >&2  
if `sh -c '#' >/dev/null 2>&1`; then  
?X: echo

```

>Your $sh handles # comments correctly."
shsharp=true
spitshell=cat
?X: echo " "
?X: echo "Okay, let's see if #! works on this system..."
xcat=/bin/cat
test -f $xcat$_exe || xcat=/usr/bin/cat
if test ! -f $xcat$_exe; then
  for p in `echo $PATH | sed -e "s/$p_/ /g"` $paths; do
    if test -f $p/cat$_exe; then
      xcat=$p/cat
      break
    fi
  done
  if test ! -f $xcat$_exe; then
    echo "Can't find cat anywhere!"
    exit 1
  fi
fi
echo "#!$xcat" >sharp
$unicefix sharp
chmod +x sharp
./sharp > today 2>/dev/null
if test -s today; then
?X: echo "It does."
  sharpbang=#!'
else
  echo "#! $xcat" > sharp
  $unicefix sharp
  chmod +x sharp
  ./sharp > today 2>/dev/null
  if test -s today; then
?X: echo "It does."
    sharpbang=#!'
  else
?X: echo "Okay, let's see if #! works on this system..."
?X: echo "It's just a comment."
    sharpbang=: use '
  fi
fi
else
  echo " "
  echo "Your $sh doesn't grok # comments--I will strip them later on."
  shsharp=false
?X: The
  spitshell script will be perused, so leave it out the UU directory
  cd ..
  echo "exec grep -v '^[ ]*#' >spitshell

```



```
chmod +x spitshell
$eunicefix spitshell
spitshell=`pwd`/spitshell
cd UU
echo "I presume that if # doesn't work, #! won't work either!"
sharpbang=: use '
fi
rm -f sharp today
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/spitshell.U
```

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_atanh: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_atanh:

?S: This variable conditionally defines the HAS\_ATANH symbol, which

?S: indicates to the C program that the atanh() routine is available.

?S:.

?C:HAS\_ATANH:

?C: This symbol, if defined, indicates that the atanh routine is

?C: available to do the inverse hyperbolic tangent function.

?C:.

?H:#\$d\_atanh HAS\_ATANH /\*\*/

?H:.

?LINT:set d\_atanh

: see if atanh exists

set atanh d\_atanh

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_atanh.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

```

?RCS:
?RCS: $Log: d_NOFILE.U,v $
?RCS: Revision 3.0.1.1 1994/10/29 16:08:38 ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:39 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:nofile d_gettblsz tablesize: Myread Guess cat +cc +ccflags +libs \
test rm Csym
?MAKE: -pick add $@ %<
?S:nofile:
?S: This variable contains the number of file descriptors available to the
?S: process.
?S:.
?S:d_gettblsz:
?S: This variable conditionally handles remapping
of the getdtablesize()
?S: subroutine to ulimit(4,0), or the NOFILE manifest constant.
?S:.
?S:tablesize:
?S: This variable contains either the 'NOFILE' constant or 'ulimit(4, 0L)'
?S: and is used as the remapped value for the getdtablesize() macro.
?S:.
?C:getdtablesize:
?C: This catches use of the getdtablesize() subroutine, and remaps it
?C: to either ulimit(4,0) or NOFILE, if getdtablesize() isn't available.
?C:.
?C:VAL_NOFILE:
?C: This symbol contains the number of file descriptors available to the
?C: process, as determined at configuration time. Unless a static constant
?C: is needed, you should rely on getdtablesize() to obtain that number.
?C:.
?H:#$d_gettblsz getdtablesize() $tablesize /**/
?H:#define VAL_NOFILE $nofile /* Number of file descriptors */
?H:.
?F:!nofile
?T:d_ulimit4 val
: see if getdtablesize exists
echo " "
?X: Revert logical value (d_gettblsz is undef iff getdtablesize is present)
case "$d_gettblsz" in
$define) d_gettblsz="$undef";;
$undef) d_gettblsz="$define";;
esac
if
set getdtablesize val -f d_gettblsz; eval $csym; $val; then
echo 'getdtablesize() found.' >&4

```

```

d_gettblsz="$Sundef"
tablesize=""
@if VAL_NOFILE || nofile
$cat >nofile.c <<'EOCP'
#include <stdio.h>
int main()
{
printf("%d\n", getdtablesize());
}
EOCP
nofile=""
if $cc $ccflags -o nofile nofile.c $libs >/dev/null 2>&1; then
nofile=`./nofile 2>/dev/null`
fi
if $test "$nofile"; then
echo "(You have $nofile file descriptors available per process.)"
else
nofile='20'
if ./bsd; then
nofile='64'
fi
echo "(Hmm... Let's say you have $nofile file descriptors available.)"
fi
@end
else
echo 'getdtablesize() NOT found...' >&4
if set ulimit val -f; eval $csym; $val; then
echo 'Maybe ulimit(4,0) will work...'
$cat >nofile.c <<'EOCP'
#include <stdio.h>
#ifdef GETPARAM_H
#include <sys/param.h>
#endif
int main()
{
printf("%d %d\n",
#ifdef NOFILE
NOFILE,
#else
0,
#endif
ulimit(4,0));
exit(0);
}
EOCP
if $cc $ccflags -DGETPARAM_H -o nofile nofile.c $libs
>/dev/null 2>&1 \
|| $cc $ccflags -o nofile nofile.c $libs >/dev/null 2>&1 ; then

```

```

set `./nofile`
d_gettblsz=$1
d_ulimit4=$2
if $test "$d_ulimit4" -lt 0; then
echo "Your ulimit() call doesn't tell me what I want to know."
echo "We'll just use NOFILE in this case."
nofile=$d_gettblsz
d_gettblsz="$define"
tablesize='NOFILE'
else
if $test "$d_gettblsz" -gt 0; then
echo "Your system defines NOFILE to be $d_gettblsz, and" >&4
else
echo "I had trouble getting NOFILE from your system, but" >&4
fi
echo "ulimit returns $d_ulimit4 as the number of available file descriptors." >&4
dflt='y';
echo " "
rp='Should I use ulimit to get the number of available file descriptors?'
. ./myread
case "$ans" in
y*)
nofile=$d_ulimit4
d_gettblsz="$define"
tablesize='ulimit(4, 0L)'
echo "Using ulimit(4,0)."
;;
*)
nofile=$d_gettblsz
d_gettblsz="$define"
tablesize='NOFILE'
echo "Using NOFILE."
;;
esac
fi
else
echo
"Strange, I couldn't get my test program to compile."
echo "We'll just use NOFILE in this case."
d_gettblsz="$define"
tablesize='NOFILE'
nofile=""
fi
else
echo 'Using NOFILE instead.'
d_gettblsz="$define"
tablesize='NOFILE'
nofile=""

```

```

fi
fi
@if VAL_NOFILE || nofile
case "$nofile" in
")
$cat >nofile.c <<'EOCP'
#include <stdio.h>
#ifdef GETPARAM_H
#include <sys/param.h>
#endif
int main()
{
printf("%d\n",
#ifdef NOFILE
NOFILE,
#else
0,
#endif
);
exit(0);
}
EOCP
if $cc $ccflags -DGETPARAM_H -o nofile nofile.c $libs >/dev/null 2>&1 \
|| $cc $ccflags -o nofile nofile.c $libs >/dev/null 2>&1 ; then
nofile=`./nofile 2>/dev/null`
fi
if $test "$nofile"; then
echo "(You have $nofile file descriptors available per process.)"
else
nofile='20'
if ./bsd; then
nofile='64'
fi
echo "(Hmm... Let's say you have $nofile file descriptors available.)"
fi
;;
esac
@end
$rm -f nofile*

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_NOFILE.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getrgid\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.  
?RCS:  
?MAKE:d\_getgrgid\_r getgrgid\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_grp extern\_C  
?MAKE: -pick add \$@ %<  
?S:d\_getgrgid\_r:  
?S: This variable conditionally defines the HAS\_GETGRGID\_R symbol,  
?S: which indicates to the C program that the getgrgid\_r()  
?S: routine is available.  
?S:.  
?S:getgrgid\_r\_proto:  
?S: This variable encodes the prototype of getgrgid\_r.  
?S: It is zero if d\_getgrgid\_r is undef, and one of the  
?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getgrgid\_r  
?S: is defined.  
?S:.  
?C:HAS\_GETGRGID\_R:  
?C: This symbol, if defined, indicates that the getgrgid\_r routine  
?C: is available to  
getgrgid re-entrantly.  
?C:.  
?C:GETGRGID\_R\_PROTO:  
?C: This symbol encodes the prototype of getgrgid\_r.  
?C: It is zero if d\_getgrgid\_r is undef, and one of the  
?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getgrgid\_r  
?C: is defined.  
?C:.  
?H:#\$d\_getgrgid\_r HAS\_GETGRGID\_R /\*\*/  
?H:#define GETGRGID\_R\_PROTO \$getgrgid\_r\_proto /\*\*/  
?H:.  
?T:try hdrs d\_getgrgid\_r\_proto  
: see if getgrgid\_r exists  
set getgrgid\_r d\_getgrgid\_r  
eval \$inlibc  
case "\$d\_getgrgid\_r" in  
"\$define")  
hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_grp grp.h"  
case "\$d\_getgrgid\_r\_proto:\$usethreads" in  
":define") d\_getgrgid\_r\_proto=define  
set d\_getgrgid\_r\_proto getgrgid\_r \$hdrs  
eval \$hasproto ;;  
\*) ;;  
esac  
case "\$d\_getgrgid\_r\_proto" in  
define)

```

case "$getgrgid_r_proto" in
"|0) try='int getgrgid_r(gid_t, struct group*, char*, size_t, struct group**);'
./protochk "$extern_C $try" $hdrs && getgrgid_r_proto=I_TSBWR ;;
esac
case "$getgrgid_r_proto" in
"|0) try='int getgrgid_r(gid_t, struct group*, char*, int, struct
group**);'
./protochk "$extern_C $try" $hdrs && getgrgid_r_proto=I_TSBIR ;;
esac
case "$getgrgid_r_proto" in
"|0) try='int getgrgid_r(gid_t, struct group*, char*, int);'
./protochk "$extern_C $try" $hdrs && getgrgid_r_proto=I_TSBI ;;
esac
case "$getgrgid_r_proto" in
"|0) try='struct group* getgrgid_r(gid_t, struct group*, char*, int);'
./protochk "$extern_C $try" $hdrs && getgrgid_r_proto=S_TSBI ;;
esac
case "$getgrgid_r_proto" in
"|0) d_getgrgid_r=undef
getgrgid_r_proto=0
echo "Disabling getgrgid_r, cannot determine prototype." >&4 ;;
*) case "$getgrgid_r_proto" in
REENTRANT_PROTO*) ;;
*) getgrgid_r_proto="REENTRANT_PROTO_$getgrgid_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "getgrgid_r has no prototype, not using it." >&4 ;;
esac
d_getgrgid_r=undef
getgrgid_r_proto=0
;;
esac
;;
*) getgrgid_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_getgrgid_r.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_usendir.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_usendir.U,v \$  
?RCS: Revision 3.0.1.1 1997/02/28 15:47:34 ram  
?RCS: patch61: replaced .a with \$\_a all over the place  
?RCS: patch61: likewise for .o replaced by \$\_o  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:07:52 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_usendir i\_ndir ndirlib: test Setvar Findhdr d\_readdir \_a  
?MAKE: -pick add \$@ %<  
?S:d\_usendir:  
?S: This variable conditionally defines the EMULATE\_NDIR symbol, which  
?S: indicates  
to the C program that it should compile the ndir.c code  
?S: provided with the package.  
?S:.  
?S:i\_ndir (d\_libndir):  
?S: This variable conditionally defines the I\_NDIR symbol, which  
?S: indicates to the C program that it should include the system's  
?S: version of ndir.h, rather than the one with this package.  
?S:.  
?S:ndirlib:  
?S: The name of the library to include at linking stage to resolve ndir  
?S: symbols. It is up to the makefile to use this value.  
?S:.  
?C:EMULATE\_NDIR (USENDIR):  
?C: This symbol, if defined, indicates that the program should compile  
?C: the ndir.c code provided with the package.  
?C:.  
?C:I\_NDIR (LIBNDIR):  
?C: This symbol, if defined, indicates that the program should include the  
?C: system's version of ndir.h, rather than the one with this package.  
?C:.  
?H:#\$d\_usendir EMULATE\_NDIR /\*\*/  
?H:#\$i\_ndir I\_NDIR /\*\*/  
?H:.  
?T:val2  
?LINT: set d\_usendir i\_ndir  
: see if there are directory access routines out there  
echo " "  
if \$test `./findhdr ndir.h` && \



```

( $test -r /usr/lib/libndir$_a
|| $test -r /usr/local/lib/libndir$_a ); then
echo "Ndir library found." >&4
if $test -r /usr/lib/libndir$_a; then
  ndirlib='-lndir'
else
  ndirlib="/usr/local/lib/libndir$_a"
fi
val2="$define"
val="$undef"
else
  ndirlib=""
  val2="$undef"
case "$d_readdir" in
"$define")
echo "No ndir library found, but you have readdir() so we'll use that." >&4
  val="$undef";
  ;;
*)
echo "No ndir library found." >&4
  val="$define"
  ;;
esac
fi
set d_usendir
eval $setvar
val="$val2"
set i_ndir
eval $setvar

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_usendir.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Ins.U,v 3.0.1.1 1994/06/20 07:05:52 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: Ins.U,v \$

?RCS: Revision 3.0.1.1 1994/06/20 07:05:52 ram

?RCS: patch30: created by ADO

?RCS:

?X:

?X: This unit checks whether symbolic links are really supported.

?X: We can't rely on d\_symlink because that may be listed in the

?X: C library but unimplemented.

?X:

?MAKE:lns: ln rm touch

?MAKE: -pick add \$@ %<

?S:lns:

?S: This variable holds the name of the command to make

?S: symbolic

links (if they are supported). It can be used

?S: in the Makefile. It is either 'ln -s' or 'ln'

?S:.

: determine whether symbolic links are supported

echo " "

\$touch blurfl

if \$ln -s blurfl sym > /dev/null 2>&1 ; then

echo "Symbolic links are supported." >&4

lns="\$ln -s"

else

echo "Symbolic links are NOT supported." >&4

lns="\$ln"

fi

\$rm -f blurfl sym

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/lns.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_system.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_system.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:44 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_system: Inlibc

?MAKE: -pick add \$@ %<  
?S:d\_system:  
?S: This variable conditionally defines HAS\_SYSTEM if system() is  
?S: available to issue a shell command.  
?S:.  
?C:HAS\_SYSTEM (SYSTEM):  
?C: This symbol, if defined, indicates that the system routine is  
?C: available to issue a shell command.  
?C:.  
?H:#\$d\_system HAS\_SYSTEM /\*\*/  
?H:.  
?LINT:set  
d\_system  
: see if system exists  
set system d\_system  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_system.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: groupstye.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: groupstye.U,v \$  
?RCS: Revision 3.0.1.2 1994/10/29 16:18:08 ram  
?RCS: patch36: no longer uses Setvar to set 'groupstye' (ADO)  
?RCS: patch36: typo fix in the word 'argument' (ADO)  
?RCS:  
?RCS: Revision 3.0.1.1 1994/06/20 07:00:18 ram  
?RCS: patch30: created by ADO  
?RCS:  
?MAKE:groupstye: gidtype d\_getgrps Myread Oldconfig Findhdr cat d\_setgrps  
?MAKE: -pick add \$@ %<  
?INIT:groupstye="  
?S:groupstye:  
?S: This

```

variable defines Groups_t to be something like gid_t, int,
?S: ushort, or whatever type is used for the second argument to
?S: getgroups() and setgroups(). Usually, this is the same as
?S: gidtype (gid_t), but sometimes it isn't.
?S:.
?C:Groups_t (GROUPSTYPE):
?C: This symbol holds the type used for the second argument to
?C: getgroups() and setgroups(). Usually, this is the same as
?C: gidtype (gid_t) , but sometimes it isn't.
?C: It can be int, ushort, gid_t, etc...
?C: It may be necessary to include <sys/types.h> to get any
?C: typedef'ed information. This is only required if you have
?C: getgroups() or setgroups()..
?C:.
?H:%<:#if defined(HAS_GETGROUPS) || defined(HAS_SETGROUPS)
?H:%<:#define Groups_t $groupstype /* Type for 2nd arg to [sg]etgroups() */
?H:%<:#endif
?H:.
?W:%<:getgroups HAS_GETGROUPS setgroups HAS_SETGROUPS
: Find type of 2nd arg to 'getgroups()' and 'setgroups()'
echo " "
case "$d_getgrps$d_setgrps" in
*define*)
case
"$groupstype" in
") dflt="$gidtype" ;;
*) dflt="$groupstype" ;;
esac
$cat <<EOM

```

What type of pointer is the second argument to getgroups() and setgroups()?  
Usually this is the same as group ids, \$gidtype, but not always.

```

EOM
rp='What type pointer is the second argument to getgroups() and setgroups()?'
./myread
groupstype="$ans"
;;
*) groupstype="$gidtype";;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/groupstype.U

```

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```

?RCS: $Id: d_gethostbyaddr_r.U,v 0RCS:
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi
?RCS:

```

?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.  
?RCS:  
?MAKE:d\_gethostbyaddr\_r gethostbyaddr\_r\_proto: Inlibc Protochk Hasproto \  
i\_systypes usethreads i\_netdb extern\_C  
?MAKE: -pick add \$@ %<  
?S:d\_gethostbyaddr\_r:  
?S: This variable conditionally defines the HAS\_GETHOSTBYADDR\_R symbol,  
?S: which indicates to the C program that the gethostbyaddr\_r()  
?S: routine is available.  
?S:.  
?S:gethostbyaddr\_r\_proto:  
?S: This variable encodes the prototype of gethostbyaddr\_r.  
?S: It is zero if d\_gethostbyaddr\_r is undef, and one of the  
?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_gethostbyaddr\_r  
?S: is defined.  
?S:.  
?C:HAS\_GETHOSTBYADDR\_R:  
?C: This symbol, if defined, indicates  
that the gethostbyaddr\_r routine  
?C: is available to gethostbyaddr re-entrantly.  
?C:.  
?C:GETHOSTBYADDR\_R\_PROTO:  
?C: This symbol encodes the prototype of gethostbyaddr\_r.  
?C: It is zero if d\_gethostbyaddr\_r is undef, and one of the  
?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_gethostbyaddr\_r  
?C: is defined.  
?C:.  
?H:#\$d\_gethostbyaddr\_r HAS\_GETHOSTBYADDR\_R /\*\*/  
?H:#define GETHOSTBYADDR\_R\_PROTO \$gethostbyaddr\_r\_proto /\*\*/  
?H:.  
?T:try hdrs d\_gethostbyaddr\_r\_proto  
: see if gethostbyaddr\_r exists  
set gethostbyaddr\_r d\_gethostbyaddr\_r  
eval \$inlibc  
case "\$d\_gethostbyaddr\_r" in  
"\$define")  
hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_netdb netdb.h"  
case "\$d\_gethostbyaddr\_r\_proto:\$usethreads" in  
":define") d\_gethostbyaddr\_r\_proto=define  
set d\_gethostbyaddr\_r\_proto gethostbyaddr\_r \$hdrs  
eval \$hasproto ;;  
\*) ;;  
esac  
case "\$d\_gethostbyaddr\_r\_proto" in  
define)

```

case "$gethostbyaddr_r_proto" in
"|0) try='int gethostbyaddr_r(const char*, size_t, int, struct hostent*, char*,
size_t, struct hostent**, int*);'
./protochk "$extern_C $try" $hdrs && gethostbyaddr_r_proto=I_CWISBWRE ;;
esac
case "$gethostbyaddr_r_proto" in
"|0) try='struct hostent* gethostbyaddr_r(const char*, size_t, int, struct hostent*, char*, size_t, int, int*);'
./protochk "$extern_C $try" $hdrs && gethostbyaddr_r_proto=S_CWISBWIE ;;
esac
case "$gethostbyaddr_r_proto" in
"|0) try='struct hostent* gethostbyaddr_r(const char*, size_t, int, struct hostent*, char*, int, int*);'
./protochk "$extern_C $try" $hdrs && gethostbyaddr_r_proto=S_CWISBIE ;;
esac
case "$gethostbyaddr_r_proto" in
"|0) try='struct hostent* gethostbyaddr_r(const void*, size_t, int, struct hostent*, char*, int, int*);'
./protochk "$extern_C $try" $hdrs && gethostbyaddr_r_proto=S_TWISBIE ;;
esac
case "$gethostbyaddr_r_proto" in
"|0) try='struct hostent* gethostbyaddr_r(const char*, int, int, struct hostent*, char*, int, int*);'
./protochk "$extern_C $try" $hdrs && gethostbyaddr_r_proto=S_CIISBIE ;;
esac
case
"$gethostbyaddr_r_proto" in
"|0) try='struct hostent* gethostbyaddr_r(const char*, struct hostent*, char*, int, int*);'
./protochk "$extern_C $try" $hdrs && gethostbyaddr_r_proto=S_CSBIE ;;
esac
case "$gethostbyaddr_r_proto" in
"|0) try='struct hostent* gethostbyaddr_r(const void*, struct hostent*, char*, int, int*);'
./protochk "$extern_C $try" $hdrs && gethostbyaddr_r_proto=S_TSBIE ;;
esac
case "$gethostbyaddr_r_proto" in
"|0) try='int gethostbyaddr_r(const char*, size_t, int, struct hostent*, struct hostent_data*);'
./protochk "$extern_C $try" $hdrs && gethostbyaddr_r_proto=I_CWISD ;;
esac
case "$gethostbyaddr_r_proto" in
"|0) try='int gethostbyaddr_r(const char*, int, int, struct hostent*, struct hostent_data*);'
./protochk "$extern_C $try" $hdrs && gethostbyaddr_r_proto=I_CIISD ;;
esac
case "$gethostbyaddr_r_proto" in
"|0) try='int gethostbyaddr_r(const char*, int, int);'
./protochk "$extern_C $try" $hdrs && gethostbyaddr_r_proto=I_CII ;;
esac
case
"$gethostbyaddr_r_proto" in
"|0) try='int gethostbyaddr_r(const void*, socklen_t, int, struct hostent*, char*, size_t, struct hostent**, int*);'
./protochk "$extern_C $try" $hdrs && gethostbyaddr_r_proto=I_TsISBWRE ;;
esac
case "$gethostbyaddr_r_proto" in

```

```

"|0) d_gethostbyaddr_r=undef
gethostbyaddr_r_proto=0
echo "Disabling gethostbyaddr_r, cannot determine prototype." >&4 ;;
*) case "$gethostbyaddr_r_proto" in
REENTRANT_PROTO*) ;;
*) gethostbyaddr_r_proto="REENTRANT_PROTO_$gethostbyaddr_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usetthreads" in
define) echo "gethostbyaddr_r has no prototype, not using it." >&4 ;;
esac
d_gethostbyaddr_r=undef
gethostbyaddr_r_proto=0
;;
esac
;;
*) gethostbyaddr_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_gethostbyaddr_r.U
```

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?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1997, Chip Salzenberg

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: sh.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 16:20:13 ram

?RCS: patch61: created

?RCS:

?MAKE:sh: Head

?MAKE: -pick wipe \$@ %<

?S:sh:

?S: This variable contains the full pathname of the shell used

?S: on this system to execute Bourne shell scripts. Usually, this will be

?S: /bin/sh, though it's possible that some systems will have /bin/ksh,

?S: /bin/pdksh, /bin/ash, /bin/bash, or even something such as  
 ?S: D:/bin/sh.exe.  
 ?S: This unit comes before Options.U,  
 so you can't set sh with a -D  
 ?S: option, though you can override this (and startsh)  
 ?S: with -O -Dsh=/bin/whatever -Dstartsh=whatever  
 ?S:.  
 ?C:SH\_PATH:  
 ?C: This symbol contains the full pathname to the shell used on this  
 ?C: on this system to execute Bourne shell scripts. Usually, this will be  
 ?C: /bin/sh, though it's possible that some systems will have /bin/ksh,  
 ?C: /bin/pdksh, /bin/ash, /bin/bash, or even something such as  
 ?C: D:/bin/sh.exe.  
 ?C:.  
 ?H:#define SH\_PATH "\$sh" /\*\*/  
 ?H:.  
 ?T:xxx try pth p SYSTYPE  
 ?LINT:extern maintloc maintname  
 ?X:  
 ?X: Be quiet unless something unusual happens because this gets  
 ?X: loaded up even before options are processed.  
 ?X: Can't use ./loc because that depends on startsh, which, in turn  
 ?X: depends on this unit.  
 ?X:  
 : Find the basic shell for Bourne shell scripts  
 case "\$sh" in  
 ")  
 ?X: SYSTYPE is for some older MIPS systems.  
 ?X: I do not know if it is still needed.  
 case "\$SYSTYPE" in  
 \*bsd\*|sys5\*) xxx="/\$SYSTYPE/bin/sh";;  
 \*) xxx="/bin/sh";;  
 esac  
 if  
 test -f "\$xxx"; then  
 sh="\$xxx"  
 else  
 : Build up a list and do a single loop so we can 'break' out.  
 pth=`echo \$PATH | sed -e "s/\$p\_/ /g"`  
 for xxx in sh bash ksh pdksh ash; do  
 for p in \$pth; do  
 try="\$try \${p}/\${xxx}"  
 done  
 done  
 for xxx in \$try; do  
 if test -f "\$xxx"; then  
 sh="\$xxx"  
 break



```
elif test -f "$xxx$_exe"; then
  sh="$xxx"
  break
elif test -f "$xxx.exe"; then
  sh="$xxx"
  break
fi
done
fi
;;
esac
```

?X: fd 4 isn't open yet...

```
case "$sh" in
```

```
) cat >&2 <<EOM
```

```
$me: Fatal Error: I can't find a Bourne Shell anywhere.
```

Usually it's in /bin/sh. How did you even get this far?

Please contact me (<\$maintname>) at <\$maintloc> and

we'll try to straighten this all out.

```
EOM
```

```
exit 1
```

```
;;
```

```
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/sh.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_grp.U,v 3.0 1993/08/18 12:08:20 ram Exp $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
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```

```
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```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?RCS: GRPASSWD detection added by Andy Dougherty July 14, 1998.
```

```
?RCS:
```

```
?RCS: $Log: i_grp.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:08:20 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:i_grp d_grpasswd: \
```

```
contains rm cppstdin cppflags cppminus Inhdr Findhdr Setvar
```

```

?MAKE: -pick add $@ %<
?S:i_grp:
?S: This variable conditionally defines the I_GRP symbol, and indicates
?S: whether a C program should include <grp.h>.
?S:.
?S:d_grpasswd:
?S: This variable conditionally
defines GRPASSWD, which indicates
?S: that struct group in <grp.h> contains gr_passwd.
?S:.
?C:I_GRP:
?C: This symbol, if defined, indicates to the C program that it should
?C: include <grp.h>.
?C:.
?C:GRPASSWD:
?C: This symbol, if defined, indicates to the C program that struct group
?C: in <grp.h> contains gr_passwd.
?C:.
?H:#$i_grp I_GRP /**/
?H:#$d_grpasswd GRPASSWD /**/
?H:.
?LINT:set i_grp d_grpasswd
?T: xxx
: see if this is an grp system
set grp.h i_grp
eval $inhdr

case "$i_grp" in
$define)
xxx=`./findhdr grp.h`
$cpstdin $cppflags $cppminus < $xxx >$$h

if $contains 'gr_passwd' $$h >/dev/null 2>&1; then
val="$define"
else
val="$undef"
fi
set d_grpasswd
eval $setvar

$rm -f $$h
;;
*)
val="$undef";
set d_grpasswd; eval $setvar
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/i\_grp.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Loc\_sed.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1996, Andy Dougherty

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?RCS: of the source tree for dist 4.0.

?RCS:

?X: This is used in perl.c.

?MAKE:full\_sed: sed

?MAKE:-pick add \$@ %<

?S:full\_sed:

?S: This variable contains the full pathname to 'sed', whether or

?S: not the user has specified 'portability'. This is only used

?S: in the compiled C program, and we assume that all systems which

?S: can share this executable will have the same full pathname to

?S: 'sed.'

?S:.

?X: Yes, I know about the C symbol PORTABLE, but I think sed

?X: is

unlikely to move, and I'm too lazy to add all the

?X: #ifdef PORTABLE sections to the perl source.

?X:

?C:LOC\_SED:

?C: This symbol holds the complete pathname to the sed program.

?C:.

?H:#define LOC\_SED "\$full\_sed" /\*\*/

?H:.

: Store the full pathname to the sed program for use in the C program

full\_sed=\$sed

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Loc\_sed.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: sig\_name.U,v \$  
?RCS: Revision 3.0.1.5 1997/02/28 16:21:25 ram  
?RCS: patch61: brand new algorithm for sig\_name and (new!) sig\_num  
?RCS:  
?RCS: Revision 3.0.1.4 1995/07/25 14:14:54 ram  
?RCS: patch56: added <asm/signal.h> lookup for linux  
?RCS:  
?RCS: Revision 3.0.1.3 1995/05/12 12:24:11 ram  
?RCS: patch54: now looks for <linux/signal.h> too (ADO)  
?RCS:  
?RCS: Revision 3.0.1.2 1994/06/20 07:06:57 ram  
?RCS: patch30: final echo was missing to close awk-printed string  
?RCS:  
?RCS: Revision 3.0.1.1  
1994/05/06 15:17:55 ram  
?RCS: patch23: signal list now formatted to avoid scroll-ups (ADO)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:47 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:sig\_name sig\_name\_init sig\_num sig\_num\_init sig\_count sig\_size: \  
awk Signal Oldconfig rm  
?MAKE: -pick add \$@ %<  
?S:sig\_name:  
?S: This variable holds the signal names, space separated. The leading  
?S: SIG in signal name is removed. A ZERO is prepended to the  
?S: list. This is currently not used.  
?S:.  
?S:sig\_name\_init:  
?S: This variable holds the signal names, enclosed in double quotes and  
?S: separated by commas, suitable for use in the SIG\_NAME definition  
?S: below. A "ZERO" is prepended to the list, and the list is  
?S: terminated with a plain 0. The leading SIG in signal names  
?S: is removed. See sig\_num.  
?S:.  
?S:sig\_num:  
?S: This variable holds the signal numbers, space separated. A ZERO is  
?S: prepended to the list (corresponding to the fake SIGZERO), and  
?S: the list is terminated  
with a 0. Those numbers correspond to  
?S: the value of the signal listed in the same place within the  
?S: sig\_name list.

?S:.

?S:sig\_num\_init:

?S: This variable holds the signal numbers, enclosed in double quotes and

?S: separated by commas, suitable for use in the SIG\_NUM definition

?S: below. A "ZERO" is prepended to the list, and the list is

?S: terminated with a plain 0.

?S:.

?S:sig\_count (sig\_name.U):

?S: This variable holds a number larger than the largest valid

?S: signal number. This is usually the same as the NSIG macro.

?S:.

?S:sig\_size:

?S: This variable contains the number of elements of the sig\_name

?S: and sig\_num arrays, excluding the final NULL entry.

?S:.

?C:SIG\_NAME:

?C: This symbol contains a list of signal names in order of

?C: signal number. This is intended

?C: to be used as a static array initialization, like this:

?C: char \*sig\_name[] = { SIG\_NAME };

?C: The signals in the list are separated with commas, and each signal

?C: is surrounded by double

quotes. There is no leading SIG in the signal

?C: name, i.e. SIGQUIT is known as "QUIT".

?C: Gaps in the signal numbers (up to NSIG) are filled in with NUMnn,

?C: etc., where nn is the actual signal number (e.g. NUM37).

?C: The signal number for sig\_name[i] is stored in sig\_num[i].

?C: The last element is 0 to terminate the list with a NULL. This

?C: corresponds to the 0 at the end of the sig\_num list.

?C:.

?C:SIG\_NUM:

?C: This symbol contains a list of signal numbers, in the same order as the

?C: SIG\_NAME list. It is suitable for static array initialization, as in:

?C: int sig\_num[] = { SIG\_NUM };

?C: The signals in the list are separated with commas, and the indices

?C: within that list and the SIG\_NAME list match, so it's easy to compute

?C: the signal name from a number or vice versa at the price of a small

?C: dynamic linear lookup.

?C: Duplicates are allowed, but are moved to the end of the list.

?C: The signal number corresponding to sig\_name[i] is sig\_number[i].

?C: if (i

< NSIG) then sig\_number[i] == i.

?C: The last element is 0, corresponding to the 0 at the end of

?C: the sig\_name list.

?C:.

?C:SIG\_COUNT:

?C: This variable contains a number larger than the largest

?C: signal number. This is usually the same as the NSIG macro.

```

?C:.
?C:SIG_SIZE:
?C: This variable contains the number of elements of the sig_name
?C: and sig_num arrays, excluding the final NULL entry.
?C:.
?H:#define SIG_NAME $sig_name_init /**/
?H:#define SIG_NUM $sig_num_init /**/
?H:#define SIG_COUNT $sig_count /**/
?H:#define SIG_SIZE $sig_size /**/
?H:.
?T:i doinit
?F:!= !signal_cmd
?X: signal.cmd creates a file signal.lst which has two columns:
?X: NAME number, e.g.
?X: HUP 1
?X: The list is sorted on signal number, with duplicates moved to
?X: the end..
: generate list of signal names
echo " "
case "$sig_name_init" in
") doinit=yes ;;
*) case "$sig_num_init" in
  "*,*) doinit=yes ;;
  esac ;;
esac
case "$doinit" in
yes)
echo "Generating a list of signal names and
numbers..." >&4
. ./signal_cmd
sig_count=`$awk '/^NSIG/ { printf "%d", $2 }' signal.lst`
sig_name=`$awk 'BEGIN { printf "ZERO " }
!/^NSIG/ { printf "%s ", $1 }' signal.lst`
sig_num=`$awk 'BEGIN { printf "0 " }
!/^NSIG/ { printf "%d ", $2 }' signal.lst`
sig_name_init=`$awk 'BEGIN { printf "\"ZERO\", " }
!/^NSIG/ { printf "\"%s\", ", $1 }
END { printf "0\n" }' signal.lst`
sig_num_init=`$awk 'BEGIN { printf "0, " }
!/^NSIG/ { printf "%d, ", $2}
END { printf "0\n" }' signal.lst`
;;
esac
echo "The following $sig_count signals are available:"
echo " "
echo $sig_name | $awk \
'BEGIN { linc = 0 }
{

```

```

for (i = 1; i <= NF; i++) {
    name = "SIG" $i " "
    linelen = linelen + length(name)
    if (linelen > 70) {
        printf "\n"
        linelen = length(name)
    }
    printf "%s", name
}
printf "\n"
}'
sig_size=`echo $sig_name | awk '{print NF}'`
$rm -f signal signal.c signal.awk signal.lst signal_cmd

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/sig_name.U
```

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?RCS:

?RCS: \$Log: d\_wifstat.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 15:47:43 ram

?RCS: patch61: added a ?F: metalint hint

?RCS:

?RCS: Revision 3.0.1.2 1995/07/25 14:09:10 ram

?RCS: patch56: re-arranged compile line to include ldflags before objects

?RCS:

?RCS: Revision 3.0.1.1 1995/03/21 08:47:46 ram

?RCS: patch52: created

?RCS:

?MAKE:d\_wifstat: d\_uwait +cc +ccflags +ldflags +libs Oldconfig cat rm

?MAKE: -pick add \$@ %<

?S:d\_wifstat:

?S: This symbol conditionally defines USE\_WIFSTAT if the C program can

?S: safely

use the WIFxxx macros with the kind of wait() parameter

?S: declared in the program (see UNION\_WAIT), or if it can't. Should

?S: only matter on HP-UX, where the macros are incorrectly written and

?S: therefore cause programs using them with an 'union wait' variable

?S: to not compile properly.

?S:.

?C:USE\_WIFSTAT:

?C: This symbol, if defined, indicates to the C program that the argument

?C: for the WIFxxx set of macros such as WIFSIGNALED or WIFEXITED can

?C: be of the same kind as the one used to hold the wait() status. Should

?C: only matter on HP-UX, where the macros are incorrectly written and

?C: therefore cause programs using them with an 'union wait' variable

?C: to not compile properly. See also UNION\_WAIT.

?C:.

?H:#\$d\_wifstat USE\_WIFSTAT /\*\*/

?H:.

?T:type

?F:!foo

: see if we can use WIFxxx macros

echo " "

case "\$d\_wifstat" in

"\$define") echo "As before, you can safely use WIFEXITED and friends!" >&4;;

"\$undef") echo "You still can't use WIFEXITED and friends!" >&4;;

\*)

echo

"Let's see whether you can use the WIFEXITED(status) macro and its"

case "\$d\_uwait" in

"\$define") type='union wait';;

\*) type='int';;

esac

echo "friends with status declared as '\$type status'..."

\$cat >foo.c <<EOCP

#include <sys/types.h>

#include <sys/wait.h>

int main()

{

  \$type status;

  int e = 0;

#ifdef WIFEXITED

  if (WIFEXITED(status))

    printf("\n");

    exit(0);

#else

  exit(2);

#endif

}

EOCP

d\_wifstat="\$undef"

if \$cc \$ccflags \$ldflags -o foo foo.c \$libs >/dev/null 2>&1; then

  if ./foo >/dev/null; then



```

echo "Great! Looks like we can use the WIFxxx macros." >&4
d_wifstat="$define"
else
echo "You don't seem to have WIFxxx macros, but that's ok." >&4
fi
else
echo "Apparently you can't use WIFxxx macros properly." >&4
fi
$rm -f foo.* foo core
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_wifstat.U

```

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?RCS:

?RCS: \$Log: d\_voidsig.U,v \$

?RCS: Revision 3.0.1.3 1995/05/12 12:12:46 ram

?RCS: patch54: made cppflags dependency optional

?RCS:

?RCS: Revision 3.0.1.2 1994/08/29 16:20:35 ram

?RCS: patch32: now sets signal\_t only once d\_voidsig is known (WED)

?RCS:

?RCS: Revision 3.0.1.1 1994/06/20 06:59:54 ram

?RCS: patch30: now properly sets signal\_t when re-using previous value

?RCS:

?RCS: Revision 3.0 1993/08/18 12:07:56 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_voidsig signal\_t: rm contains

cppstdin cppminus +cppflags test Myread \

Oldconfig Setvar Findhdr

?MAKE: -pick add \$@ %<

?S:d\_voidsig:

?S: This variable conditionally defines VOIDSIG if this system

?S: declares "void (\*signal(...))()" in signal.h. The old way was to

?S: declare it as "int (\*signal(...))()".

?S:.

?S:signal\_t:

?S: This variable holds the type of the signal handler (void or int).

?S:.

?C:VOIDSIG:

?C: This symbol is defined if this system declares "void (\*signal(...))()" in

?C: signal.h. The old way was to declare it as "int (\*signal(...))()". It

?C: is up to the package author to declare things correctly based on the

?C: symbol.

?C:.

?C:Signal\_t (SIGNAL\_T):

?C: This symbol's value is either "void" or "int", corresponding to the

?C: appropriate return type of a signal handler. Thus, you can declare

?C: a signal handler using "Signal\_t (\*handler())", and define the

?C: handler using "Signal\_t handler(sig)".

?C:.

?H:#\$d\_voidsig VOIDSIG /\*\*/

?H:#define Signal\_t \$signal\_t /\* Signal handler's return

type \*/

?H:.

?T:xxx

?LINT:set d\_voidsig

: see if signal is declared as pointer to function returning int or void

echo " "

xxx=`./findhdr signal.h`

\$test "\$xxx" && \$cppstdin \$cppminus \$cppflags < \$xxx >\$\$.tmp 2>/dev/null

if \$contains 'int.\*\\*[ ]\*signal' \$\$tmp >/dev/null 2>&1 ; then

echo "You have int (\*signal())() instead of void." >&4

val="\$undef"

elif \$contains 'void.\*\\*[ ]\*signal' \$\$tmp >/dev/null 2>&1 ; then

echo "You have void (\*signal())() instead of int." >&4

val="\$define"

elif \$contains 'extern[ ]\*[ \\*]\*signal' \$\$tmp >/dev/null 2>&1 ; then

echo "You have int (\*signal())() instead of void." >&4

val="\$undef"

else

case "\$d\_voidsig" in

)

echo "I can't determine whether signal handler returns void or int..." >&4

dflt=void

rp="What type does your signal handler return?"

./myread

case "\$ans" in

v\*) val="\$define";;

\*) val="\$undef";;

esac;;

"\$define")

echo "As you already told me, signal handler returns void." >&4;;

```

*)
  echo "As you already told
me, signal handler returns int." >&4;;
esac
fi
set d_voidsig
eval $setvar
case "$d_voidsig" in
"$define") signal_t="void";;
*) signal_t="int";;
esac
$rm -f $$tmp

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_voidsig.U

```

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?RCS:

?MAKE:d\_eaccess: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_eaccess:

?S: This variable conditionally defines the HAS\_EACCESS symbol, which

?S: indicates to the C program that the eaccess() routine is available.

?S:.

?C:HAS\_EACCESS :

?C: This symbol, if defined, indicates that the eaccess routine is

?C: available to do extended access checks.

?C:.

?H:#\$d\_eaccess HAS\_EACCESS /\*\*/

?H:.

?LINT:set d\_eaccess

: see if eaccess exists

set eaccess d\_eaccess

eval \$inlibc

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/acl/d_eaccess.U

```

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?RCS: \$Id: d\_getnetbyname\_r.U,v 0RCS:

```

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?RCS:
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.
?RCS:
?MAKE:d_getnetbyname_r getnetbyname_r_proto: Inlibc Protochk Hasproto \
i_systypes usethreads i_netdb extern_C
?MAKE: -pick add $@ %<
?S:d_getnetbyname_r:
?S: This variable conditionally defines the HAS_GETNETBYNAME_R symbol,
?S: which indicates to the C program that the getnetbyname_r()
?S: routine is available.
?S:.
?S:getnetbyname_r_proto:
?S: This variable encodes the prototype of getnetbyname_r.
?S: It is zero if d_getnetbyname_r is undef, and one of the
?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_getnetbyname_r
?S: is defined.
?S:.
?C:HAS_GETNETBYNAME_R:
?C: This symbol, if defined, indicates that
the getnetbyname_r routine
?C: is available to getnetbyname re-entrantly.
?C:.
?C:GETNETBYNAME_R_PROTO:
?C: This symbol encodes the prototype of getnetbyname_r.
?C: It is zero if d_getnetbyname_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_getnetbyname_r
?C: is defined.
?C:.
?H:#$d_getnetbyname_r HAS_GETNETBYNAME_R /**/
?H:#define GETNETBYNAME_R_PROTO $getnetbyname_r_proto /**/
?H:.
?T:try hdrs d_getnetbyname_r_proto
: see if getnetbyname_r exists
set getnetbyname_r d_getnetbyname_r
eval $inlibc
case "$d_getnetbyname_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_netdb netdb.h"
case "$d_getnetbyname_r_proto:$usethreads" in
":define") d_getnetbyname_r_proto=define
set d_getnetbyname_r_proto getnetbyname_r $hdrs
eval $hasproto ;;
*) ;;
esac

```

```

case "$d_getnetbyname_r_proto" in
define)
case "$getnetbyname_r_proto" in
"|0) try='int getnetbyname_r(const char*, struct netent*, char*, size_t, struct netent**, int*);'
./protochk "$extern_C
$try" $hdrs && getnetbyname_r_proto=I_CSBWRE ;;
esac
case "$getnetbyname_r_proto" in
"|0) try='int getnetbyname_r(const char*, struct netent*, char*, int);'
./protochk "$extern_C $try" $hdrs && getnetbyname_r_proto=I_CSBI ;;
esac
case "$getnetbyname_r_proto" in
"|0) try='struct netent* getnetbyname_r(const char*, struct netent*, char*, int);'
./protochk "$extern_C $try" $hdrs && getnetbyname_r_proto=S_CSBI ;;
esac
case "$getnetbyname_r_proto" in
"|0) try='int getnetbyname_r(const char*, struct netent*, struct netent_data*);'
./protochk "$extern_C $try" $hdrs && getnetbyname_r_proto=I_CSD ;;
esac
case "$getnetbyname_r_proto" in
"|0) d_getnetbyname_r=undef
getnetbyname_r_proto=0
echo "Disabling getnetbyname_r, cannot determine prototype." >&4 ;;
*) case "$getnetbyname_r_proto" in
REENTRANT_PROTO*) ;;
*) getnetbyname_r_proto="REENTRANT_PROTO_${getnetbyname_r_proto}" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usetthreads" in
define) echo
"getnetbyname_r has no prototype, not using it." >&4 ;;
esac
d_getnetbyname_r=undef
getnetbyname_r_proto=0
;;
esac
;;
*) getnetbyname_r_proto=0
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_getnetbyname\_r.U

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?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: i\_db.U,v \$

?RCS: Revision 3.0.1.3 1995/07/25 14:10:22 ram

?RCS: patch56: conditionally use const in test programs (ADO)

?RCS:

?RCS: Revision 3.0.1.2 1995/05/12 12:14:42 ram

?RCS: patch54: extended for more intimate DB probing (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/08/29 16:21:50 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:i\_db db\_hashtype db\_prefixtype: Inhdr +cc +ccflags rm\_try contains cat \  
d\_const

?MAKE: -pick  
add \$@ %<

?S:i\_db:

?S: This variable conditionally defines the I\_DB symbol, and indicates  
?S: whether a C program may include Berkeley's DB include file <db.h>.

?S:.

?S:db\_hashtype:

?S: This variable contains the type of the hash structure element  
?S: in the <db.h> header file. In older versions of DB, it was  
?S: int, while in newer ones it is u\_int32\_t.

?S:.

?S:db\_prefixtype:

?S: This variable contains the type of the prefix structure element  
?S: in the <db.h> header file. In older versions of DB, it was  
?S: int, while in newer ones it is size\_t.

?S:.

?C:I\_DB:

?C: This symbol, if defined, indicates to the C program that it should  
?C: include Berkeley's DB include file <db.h>.

?C:.

?C:DB\_Prefix\_t:

?C: This symbol contains the type of the prefix structure element  
?C: in the <db.h> header file. In older versions of DB, it was  
?C: int, while in newer ones it is u\_int32\_t.

```

?C:.
?C:DB_Hash_t:
?C: This symbol contains the type of the prefix structure element
?C: in the <db.h> header
file. In older versions of DB, it was
?C: int, while in newer ones it is size_t.
?C:.
?H:#$i_db I_DB /**/
?H:#define DB_Hash_t $db_hashtype /**/
?H:#define DB_Prefix_t $db_prefixtype /**/
?H:.
?LINT:set i_db
: see if this is a db.h system
set db.h i_db
eval $inhdr

@if DB_Hash_t
case "$i_db" in
define)
: Check the return type needed for hash
echo " "
echo "Checking return type needed for hash for Berkeley DB ..." >&4
$cat >try.c <<EOCP
#$d_const HASCONST
#ifdef HASCONST
#define const
#endif
#include <sys/types.h>
#include <db.h>
u_int32_t hash_cb (ptr, size)
const void *ptr;
size_t size;
{
}
HASHINFO info;
int main()
{
info.hash = hash_cb;
}
EOCP
if $cc $ccflags -c try.c >try.out 2>&1 ; then
if $contains warning try.out >>/dev/null 2>&1 ; then
db_hashtype='int'
else
db_hashtype='u_int32_t'
fi
else
echo "I can't seem to compile the test program." >&4

```

```

db_hashtype=int
fi
$rm_try
echo "Your version of Berkeley DB uses $db_hashtype for hash."
;;
*) db_hashtype=int
;;
esac

@end
@if
DB_Prefix_t
case "$i_db" in
define)
: Check the return type needed for prefix
echo " "
echo "Checking return type needed for prefix for Berkeley DB ..." >&4
cat >try.c <<EOCP
#$d_const HASCONST
#ifndef HASCONST
#define const
#endif
#include <sys/types.h>
#include <db.h>
size_t prefix_cb (key1, key2)
const DBT *key1;
const DBT *key2;
{
}
BTREEINFO info;
int main()
{
info.prefix = prefix_cb;
}
EOCP
if $cc $ccflags -c try.c >try.out 2>&1 ; then
if $contains warning try.out >>/dev/null 2>&1 ; then
db_prefixtype='int'
else
db_prefixtype='size_t'
fi
else
echo "I can't seem to compile the test program." >&4
db_prefixtype='int'
fi
$rm_try
echo "Your version of Berkeley DB uses $db_prefixtype for prefix."
;;

```



```
*) db_prefixtype='int'
```

```
::
```

```
esac
```

```
@end
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_db.U
```

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?RCS:

?MAKE:d\_fpgetround: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fpgetround:

?S: This variable conditionally defines HAS\_FPGETROUND if fpgetround()

?S: is available to get the floating point rounding mode.

?S:.

?C:HAS\_FPGETROUND:

?C: This symbol, if defined, indicates that the fpgetround routine is

?C: available to get the floating point rounding mode.

?C:.

?H:#\$d\_fpgetround HAS\_FPGETROUND /\*\*/

?H:.

?LINT:set d\_fpgetround

: see if fpgetround exists

set fpgetround d\_fpgetround

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_fpgetround.U
```

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?RCS: \$Id: vendorhtml3dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera \$

?RCS:

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?RCS:

?RCS: \$Log: vendorhtml3dir.U,v \$

?RCS: Revision 1.1 1999/07/08 18:32:57 doughera

```

?RCS: Initial revision
?RCS:
?MAKE:vendorhtml3dir vendorhtml3direxp installvendorhtml3dir: html3dir Getfile \
Oldconfig Setprefixvar Prefixit test vendorprefix prefix sed
?MAKE: -pick add $@ %<
?Y:TOP
?S:vendorhtml3dir:
?S: This variable contains the name of the directory for html
?S: library pages. It may have a ~ on the front.
?S: The standard distribution will put nothing
in this directory.
?S: Vendors who distribute perl may wish to place their own
?S: html pages for modules and extensions in this directory with
?S: MakeMaker Makefile.PL INSTALLDIRS=vendor
?S: or equivalent. See INSTALL for details.
?S:.
?S:vendorhtml3direxp:
?S: This variable is the ~name expanded version of vendorhtml3dir, so that you
?S: may use it directly in Makefiles or shell scripts.
?S:.
?D:installvendorhtml3dir="
?S:installvendorhtml3dir:
?S: This variable is really the same as vendorhtml3direxp but may differ on
?S: those systems using AFS. For extra portability, only this variable
?S: should be used in makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installvendorhtml3dir
: Set the vendorhtml3dir variables
case "$vendorprefix" in
") vendorhtml3dir="
vendorhtml3direxp="
;;
*) : determine where vendor-supplied module html pages go.
: There is no standard location, so try to copy the previously-selected
: directory structure for the core html pages.
: XXX Better default
suggestions would be welcome.
case "$vendorhtml3dir" in
") dflt=`echo "$html3dir" | $sed "s#^$prefix#$vendorprefix#"` ;;
*) dflt=$vendorhtml3dir ;;
esac
case "$dflt" in
"| ") dflt=none ;;
esac
fn=dn+~
rp='Pathname for the vendor-supplied html pages?'
. ./getfile

```

```
vendorhtml3dir="$ans"
vendorhtml3direxp="$ansexp"
;;
esac
: Use ' ' for none so value is preserved next time through Configure
$test X"$vendorhtml3dir" = "X" && vendorhtml3dir=' '
prefixvar=vendorhtml3dir
. ./installprefix
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/vendorhtml3dir.U
```

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?RCS: \$Id: MailList.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS:

?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>

?RCS:

?RCS: \$Log: MailList.U,v \$

?RCS: Revision 3.0.1.1 1994/01/24 14:01:49 ram

?RCS: patch16: created

?RCS:

?RCS:

?X:

?X: This unit offers the user the option of subscribing to the mailing

?X: list. To force inclusion of this unit, you must add it's name to the

?X: dependancies on the MAKE line in your private copy of End.U.

?X: The address of the mailing list server must be set via a "list\_request=..."

?X:

entry in the .package file. This is usually done by running packinit and

?X: answering the proper questions.

?X:

?MAKE:MailList: cat mailer package Myread cf\_name cf\_email

?MAKE: -pick wipe \$@ %<

?T:list\_request list\_sub list\_unsub list\_name

?X:

?X: The cf\_name dependency is used through list\_sub when the mailing list

?X: manager happens to be listserv, whereas cf\_email is used whith majordomo

?X: or when the mailing list request address is scanned by a human. Since

?X: they do not appear within the unit itself, we need a lint hint.

```
?X:
?LINT:use cf_name cf_email
: offer to join the mailing list
list_request='<$list_request>'
list_sub="<$list_sub>"
list_unsub="<$list_unsub>"
list_name="<$list_name>"
$cat <<EOM
```

There is a mailing list for discussion about \$package and related issues. This is the preferred place to ask questions about the program and discuss modifications and additions with the author and other users. If you are able to send mail to the Internet, you are encouraged to subscribe. You need only ever subscribe once, and you can unsubscribe automatically at any time in the future. If you have already subscribed and you wish to unsubscribe now, you may do so by answering "unsubscribe". Answer "subscribe" to subscribe to the list.

```
EOM
rp="Subscribe to or unsubscribe from the $list_name mailing list?"
dfmt=neither
./myread
case "$ans" in
[sS]*) $cat <<EOM
```

You will be sent a message from the list server to let you know when your subscription has been successful and telling you how to submit articles and how to unsubscribe again when necessary. You may also unsubscribe by running this script again and asking it to do so for you.

```
EOM
echo "Sending mail to subscribe you to the $list_name list..." >&4
$mlr $list_request <<EOM >/dev/null 2>&1
Precedence: junk
To: $list_request
```

```
$list_sub
EOM
;;
[uU]*) echo "Sending mail to unsubscribe you from the $list_name list..." >&4
$mlr $list_request <<EOM >/dev/null 2>&1
Precedence: junk
To:
$list_request
```

```
$list_unsub
EOM
```

```
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/MailList.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: siteprefix.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1999 Andy Dougherty
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?RCS: $Log: siteprefix.U,v $
```

```
?RCS: Revision 1.1 1999/07/08 18:32:57 doughera
```

```
?RCS: Initial revision
```

```
?RCS:
```

```
?MAKE:siteprefix siteprefixexp +oldsiteprefix: Getfile Loc Oldconfig cat package prefix
```

```
?MAKE: -pick add $@ %<
```

```
?S:siteprefix:
```

```
?S: This variable holds the full absolute path of the directory below
```

```
?S: which the user will install add-on packages.
```

```
?S: See INSTALL for usage and examples.
```

```
?S:.
```

```
?S:siteprefixexp:
```

```
?S: This variable holds the full absolute path of the
directory below
```

```
?S: which the user will install add-on packages. Derived from siteprefix.
```

```
?S:.
```

```
?S:oldsiteprefix:
```

```
?S: This variable is set non-null if the siteprefix was previously defined
```

```
?S: and gets set to a new value. Used internally by Configure only.
```

```
?S:.
```

```
: Set the siteprefix variables
```

```
$cat <<EOM
```

After \$package is installed, you may wish to install various add-on modules and utilities. Typically, these add-ons will be installed under \$prefix with the rest of this package. However, you may wish to install such add-ons elsewhere under a different prefix.

If you do not wish to put everything under a single prefix, that's

ok. You will be prompted for the individual locations; this siteprefix is only used to suggest the defaults.

The default should be fine for most people.

EOM

```
fn=d~+
```

```
rp='Installation prefix to use for add-on modules and utilities?'
```

```
: XXX Here might be another good place for an installstyle setting.
```

```
case "$siteprefix" in
```

```
) dflt=$prefix ;;
```

```
*) dflt=$siteprefix
```

```
;;
```

```
esac
```

```
./getfile
```

```
: XXX Prefixit unit does not yet support siteprefix and vendorprefix
```

```
oldsiteprefix="
```

```
case "$siteprefix" in
```

```
) ;;
```

```
*) case "$ans" in
```

```
"$prefix") ;;
```

```
*) oldsiteprefix="$prefix";;
```

```
esac
```

```
;;
```

```
esac
```

```
siteprefix="$ans"
```

```
siteprefixexp="$ansexp"
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/siteprefix.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: vendorprefix.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1999 Andy Dougherty
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?RCS: $Log: vendorprefix.U,v $
```

```
?RCS: Revision 1.1 1999/07/08 18:32:57 doughera
```

```
?RCS: Initial revision
```

```
?RCS:
```

```
?MAKE:usevendorprefix vendorprefix vendorprefixexp +oldvendorprefix: \
```

```

Getfile Loc Oldconfig cat prefix Myread
?MAKE: -pick add $@ %<
?S:usevendorprefix:
?S: This variable tells whether the vendorprefix
?S: and consequently other vendor* paths are in use.
?S:.
?S:vendorprefix:
?S: This variable holds the full absolute path of the directory below
?S: which
the vendor will install add-on packages.
?S: See INSTALL for usage and examples.
?S:.
?S:vendorprefixexp:
?S: This variable holds the full absolute path of the directory below
?S: which the vendor will install add-on packages. Derived from vendorprefix.
?S:.
?S:oldvendorprefix:
?S: This variable is set non-null if the vendorprefix was previously defined
?S: and gets set to a new value. Used internally by Configure only.
?S:.
: Set the vendorprefix variables
$cat <<EOM

```

The installation process will also create a directory for vendor-supplied add-ons. Vendors who supply perl with their system may find it convenient to place all vendor-supplied files in this directory rather than in the main distribution directory. This will ease upgrades between binary-compatible maintenance versions of perl.

Of course you may also use these directories in whatever way you see fit. For example, you might use them to access modules shared over a company-wide network.

The default answer should be fine for most people.

This causes further questions about vendor add-ons to be skipped and no vendor-specific directories will be configured for perl.

EOM

```

rp="Do you want to configure vendor-specific add-on directories?"
case "$usevendorprefix" in
define|true|[yY]*) dflt=y ;;
*) : User may have set vendorprefix directly on Configure command line.
case "$vendorprefix" in
"|" ) dflt=n ;;
*) dflt=y ;;
esac
;;

```

```

esac
./myread
case "$ans" in
[yY]*) fn=d~+
rp='Installation prefix to use for vendor-supplied add-ons?'
case "$vendorprefix" in
") dflt="$prefix" ;;
*) dflt=$vendorprefix ;;
esac
./getfile
: XXX Prefixit unit does not yet support siteprefix and vendorprefix
oldvendorprefix="
case "$vendorprefix" in
") ;;
*) case "$ans" in
"$prefix") ;;
*) oldvendorprefix="$prefix";;
esac
;;
esac
usevendorprefix="$define"
vendorprefix="$ans"
vendorprefixexp="$sansexp"
;;
*) usevendorprefix="$undef"
vendorprefix="
vendorprefixexp="
;;
esac

```

Found in path(s):

\*

/opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/vendorprefix.U

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_expm1: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_expm1:

?S: This variable conditionally defines the HAS\_EXPM1 symbol, which

?S: indicates to the C program that the expm1() routine is available.

?S:.

?C:HAS\_EXPM1:

?C: This symbol, if defined, indicates that the expm1 routine is

?C: available to do the exp(x) - 1 when x is near 1 function.



```
?C:
?H:#$d_expm1 HAS_EXPM1 /**/
?H:
?LINT:set d_expm1
: see if expm1 exists
set expm1 d_expm1
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_expm1.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 2008 H.Merijn Brand
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:d_ctime64 d_localtime64 d_gmtime64 d_mktime64 d_difftime64 d_asctime64: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_ctime64:
```

```
?S: This variable conditionally defines the HAS_CTIME64 symbol, which
```

```
?S: indicates to the C program that the ctime64 () routine is available.
```

```
?S:.
```

```
?S:d_localtime64:
```

```
?S: This variable conditionally defines the HAS_LOCALTIME64 symbol, which
```

```
?S: indicates to the C program that the localtime64 () routine is available.
```

```
?S:.
```

```
?S:d_gmtime64:
```

```
?S: This variable conditionally defines the HAS_GMTIME64 symbol, which
```

```
?S: indicates to the C program that the gmtime64 () routine is available.
```

```
?S:.
```

```
?S:d_mktime64:
```

```
?S: This variable conditionally defines the HAS_MKTIME64 symbol, which
```

```
?S: indicates to the
```

```
C program that the mktime64 () routine is available.
```

```
?S:.
```

```
?S:d_difftime64:
```

```
?S: This variable conditionally defines the HAS_DIFFTIME64 symbol, which
```

```
?S: indicates to the C program that the difftime64 () routine is available.
```

```
?S:.
```

```
?S:d_asctime64:
```

```
?S: This variable conditionally defines the HAS_ASCTIME64 symbol, which
```

```
?S: indicates to the C program that the asctime64 () routine is available.
```

```
?S:.
```

```
?C:HAS_CTIME64:
```

?C: This symbol, if defined, indicates that the ctime64 () routine is  
 ?C: available to do the 64bit variant of ctime ()  
 ?C:.  
 ?C:HAS\_LOCALTIME64:  
 ?C: This symbol, if defined, indicates that the localtime64 () routine is  
 ?C: available to do the 64bit variant of localtime ()  
 ?C:.  
 ?C:HAS\_GMTIME64:  
 ?C: This symbol, if defined, indicates that the gmtime64 () routine is  
 ?C: available to do the 64bit variant of gmtime ()  
 ?C:.  
 ?C:HAS\_MKTIME64:  
 ?C: This symbol, if defined, indicates that the mktime64 () routine is  
 ?C: available to do the 64bit variant of mktime ()  
 ?C:.  
 ?C:HAS\_DIFFTIME64:  
 ?C: This  
 symbol, if defined, indicates that the difftime64 () routine is  
 ?C: available to do the 64bit variant of difftime ()  
 ?C:.  
 ?C:HAS\_ASCTIME64:  
 ?C: This symbol, if defined, indicates that the asctime64 () routine is  
 ?C: available to do the 64bit variant of asctime ()  
 ?C:.  
 ?H:#\$d\_ctime64 HAS\_CTIME64 /\*\*/  
 ?H:#\$d\_localtime64 HAS\_LOCALTIME64 /\*\*/  
 ?H:#\$d\_gmtime64 HAS\_GMTIME64 /\*\*/  
 ?H:#\$d\_mkttime64 HAS\_MKTIME64 /\*\*/  
 ?H:#\$d\_difftime64 HAS\_DIFFTIME64 /\*\*/  
 ?H:#\$d\_asctime64 HAS\_ASCTIME64 /\*\*/  
 ?H:.  
 ?LINT:set d\_ctime64 d\_localtime64 d\_gmtime64 d\_mkttime64 d\_difftime64 d\_asctime64  
 : see if 64bit time functions exists

```
set ctime64 d_ctime64
eval $inlibc
```

```
set localtime64 d_localtime64
eval $inlibc
```

```
set gmtime64 d_gmtime64
eval $inlibc
```

```
set mktime64 d_mkttime64
eval $inlibc
```

```
set difftime64 d_difftime64
eval $inlibc
```

```
set asctime64 d_asctime64
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_timefuncs64.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_sysparam.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: i_sysparam.U,v $
```

```
?RCS: Revision 3.0.1.1 1994/08/29 16:22:43 ram
```

```
?RCS: patch32: created
```

```
?RCS:
```

```
?MAKE:i_sysparam: Inhdr
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_sysparam:
```

```
?S: This variable conditionally defines the I_SYS_PARAM symbol, and indicates
```

```
?S: whether a C program should include <sys/param.h>.
```

```
?S:.
```

```
?C:I_SYS_PARAM:
```

```
?C: This symbol, if defined, indicates to the C program that it should
```

```
?C: include <sys/param.h>.
```

```
?C:.
```

```
?H:#$i_sysparam I_SYS_PARAM /**/
```

```
?H:.
```

```
?LINT:set
```

```
  i_sysparam
```

```
  : see if this is a sys/param system
```

```
  set sys/param.h i_sysparam
```

```
  eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_sysparam.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

?RCS: Copyright (c) 2003 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_scalbnl: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_scalbnl:  
?S: This variable conditionally defines the HAS\_SCALBNL symbol, which  
?S: indicates to the C program that the scalbnl() routine is available.  
?S: If ilogbl is also present we can emulate frexpl.  
?S:.  
?C:HAS\_SCALBNL:  
?C: This symbol, if defined, indicates that the scalbnl routine is  
?C: available. If ilogbl is also present we can emulate frexpl.  
?C:.  
?H:#\$d\_scalbnl HAS\_SCALBNL /\*\*/  
?H:.  
?LINT:set d\_scalbnl  
: see if scalbnl exists  
set scalbnl d\_scalbnl  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_scalbnl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_sysndir.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: i\_sysndir.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:08:33 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:i\_sysndir: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_sysndir:  
?S: This variable conditionally defines the I\_SYS\_NDIR symbol, and indicates  
?S: whether a C program should include <sys/ndir.h>.  
?S:.

?C:I\_SYS\_NDIR (I\_SYSNDIR):

?C: This symbol, if defined, indicates to the C program that it should

?C: include <sys/ndir.h>.

?C:.

?H:#\$i\_sysndir

I\_SYS\_NDIR /\*\*/

?H:.

?LINT:set i\_sysndir

: see if this is an sysndir system

set sys/ndir.h i\_sysndir

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_sysndir.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: inc\_version\_list.U,v \$

?RCS:

?RCS: Copyright (c) 2000 Andy Dougherty

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: inc\_version\_list.U,v \$

?RCS:

?MAKE:inc\_version\_list inc\_version\_list\_init d\_inc\_version\_list: cat sed \

Getfile perl5 version api\_versionstring rm Myread archname \

prefix sitelib\_stem exe\_ext

?MAKE: -pick add \$@ %<

?Y:TOP

?S:inc\_version\_list:

?S: This variable specifies the list of subdirectories in over

?S: which perl.c:incpush() and lib/lib.pm will automatically

?S: search when adding directories to @INC. The elements in

?S: the list are separated by spaces. This is only useful

?S: if

you have a perl library directory tree structured like the

?S: default one. See INSTALL for how this works. The versioned

?S: site\_perl directory was introduced in 5.005, so that is the

?S: lowest possible value.

?S:

?S: This list includes architecture-dependent directories back to

?S: version \$api\_versionstring (e.g. 5.5.640) and

?S: architecture-independent directories all the way back to

?S: 5.005.

?S:.

?S:inc\_version\_list\_init:

?S: This variable holds the same list as inc\_version\_list, but

?S: each item is enclosed in double quotes and separated by commas,

?S: suitable for use in the PERL\_INC\_VERSION\_LIST initialization.

?S:.

?S:d\_inc\_version\_list:

?S: This variable conditionally defines PERL\_INC\_VERSION\_LIST.

?S: It is set to undef when PERL\_INC\_VERSION\_LIST is empty.

?S:.

?C:PERL\_INC\_VERSION\_LIST:

?C: This variable specifies the list of subdirectories in over

?C: which perl.c:incpush() and lib/lib.pm will automatically

?C: search when adding directories to @INC, in a format suitable

?C: for

  a C initialization string. See the inc\_version\_list entry

?C: in Porting/Glossary for more details.

?C:.

?H:#\$d\_inc\_version\_list PERL\_INC\_VERSION\_LIST \$inc\_version\_list\_init /\*\*/

?H:.

?T:stem

: Determine list of previous versions to include in @INC

```
$cat > getverlist <<EOPL
# !$perl5 -w
use File::Basename;
\sapi_versionstring = "$sapi_versionstring";
\ $version = "$version";
\ $stem = "$sitelib_stem";
\ $archname = "$archname";
EOPL
$cat >> getverlist <<'EOPL'
# The list found is store twice for each entry: the original name, and
# the binary broken down version as pack "sss", so sorting is easy and
# unambiguous. This will work for all versions that have a maximum of
# three digit groups, separate by '.'s or '_'s. Names are extended with
# ".0.0" to ensure at least three elements for the pack.
# -- H.Merijn Brand (m)'06 23-10-2006

# Can't have leading @ because metaconfig interprets it as a command!
;@inc_version_list=();
# XXX Redo to do opendir/readdir?
if (-d $stem)
{
  chdir($stem);
  ;@candidates = map {
[ $_, pack "sss", split m/[. _]/, "$_.0.0" ] } glob("5.*");
  ;@candidates = sort { $a->[1] cmp $b->[1]} @candidates;
```

```

}
else {
    ;@candidates = ();
}

($pversion, $saverion, $vsns5005) = map {
    pack "sss", split m/[._]/, "$_.0.0" } $version, $api_versionstring, "5.005";
foreach $d (@candidates) {
    if ($d->[1] lt $pversion) {
    if ($d->[1] ge $saverion) {
        unshift(@inc_version_list, grep { -d } $d->[0]."/$sarchname", $d->[0]);
    }
    elsif ($d->[1] ge $vsns5005) {
        unshift(@inc_version_list, grep { -d } $d->[0]);
    }
    }
    else {
# Skip newer version. I.e. don't look in
# 5.7.0 if we're installing 5.6.1.
    }
}

if (@inc_version_list) {
    print join(' ', @inc_version_list);
}
else {
    # Blank space to preserve value for next Configure run.
    print " ";
}
EOPL
chmod +x getverlist
case "$inc_version_list" in
") if test -x "$perl5$exe_ext"; then
    dflt=`$perl5 getverlist`
else
    dflt='none'
fi
;;
$undef) dflt='none'
;;
?X: Configure -Dinc_version_list='5.6.0/$sarchname 5.6.0' ...
*) eval dflt=\"\$inc_version_list\" ;;
esac
case "$dflt" in
"|") dflt=none ;;
esac
case "$dflt" in
5.005) dflt=none ;;

```

```
esac
$cat <<EOM
```

In order to ease the process of upgrading, this version of perl can be configured to use modules built and installed with earlier versions of perl that were installed under \$prefix. Specify here the list of earlier versions that this version of perl should check. If Configure detected no earlier versions of perl installed under \$prefix, then the list will be empty. Answer 'none' to tell perl to not search earlier versions.

The default should almost always be sensible, so if you're not sure, just accept the default.

EOM

```
rp='List of earlier versions to include in @INC?'
./myread
case "$ans" in
[Nn]one|"|" '$undef) inc_version_list=' ' ';
*) inc_version_list="$ans" ;;
esac
case "$inc_version_list" in
|" ')
inc_version_list_init='0'
d_inc_version_list="$undef"
;;
*) inc_version_list_init=`echo
$inc_version_list |
$sed -e 's/^/"' -e 's/"/"','/g' -e 's/$/"',0/'
d_inc_version_list="$define"
;;
esac
$rm -f getverlist
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/inc_version_list.U
```

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?RCS: \$Id\$

?RCS:

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?RCS:  
?RCS: \$Log: prototype.U,v \$  
?RCS: Revision 3.0.1.3 1994/05/06 15:11:49 ram  
?RCS: patch23: ensure cc flags used when looking for prototype support  
?RCS:  
?RCS: Revision 3.0.1.2 1994/01/24 14:15:36 ram  
?RCS: patch16: prototype handling macros now appear only when needed  
?RCS:  
?RCS: Revision 3.0.1.1 1993/08/25 14:03:12 ram  
?RCS: patch6: defines were referring to non-existent VOID symbol  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:36 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:prototype:  
Myread Oldconfig cat +cc +ccflags rm Setvar  
?MAKE: -pick add \$@ %<  
?S:prototype:  
?S: This variable holds the eventual value of CAN\_PROTOTYPE, which  
?S: indicates the C compiler can handle function prototypes.  
?S:.  
?C:CAN\_PROTOTYPE ~ %<:  
?C: If defined, this macro indicates that the C compiler can handle  
?C: function prototypes.  
?C:.  
?C:DOTS:  
?C: This macro is used to specify the ... in function prototypes which  
?C: have arbitrary additional arguments.  
?C:.  
?C:NXT\_ARG:  
?C: This macro is used to separate arguments in the declared argument list.  
?C:.  
?C:P\_FUNC:  
?C: This macro is used to declare "private" (static) functions.  
?C: It takes three arguments: the function type and name, a parenthesized  
?C: traditional (comma separated) argument list, and the declared argument  
?C: list (in which arguments are separated with NXT\_ARG, and additional  
?C: arbitrary arguments are specified with DOTS). For example:  
?C:  
?C: P\_FUNC(int foo, (bar, baz), int bar NXT\_ARG char \*baz[])  
?C:.  
?C:P\_FUNC\_VOID:  
?C: This  
macro is used to declare "private" (static) functions that have  
?C: no arguments. The macro takes one argument: the function type and name.  
?C: For example:  
?C:  
?C: P\_FUNC\_VOID(int subr)

```

?C:.
?C:V_FUNC:
?C: This macro is used to declare "public" (non-static) functions.
?C: It takes three arguments: the function type and name, a parenthesized
?C: traditional (comma separated) argument list, and the declared argument
?C: list (in which arguments are separated with NXT_ARG, and additional
?C: arbitrary arguments are specified with DOTS). For example:
?C:
?C: V_FUNC(int main, (argc, argv), int argc NXT_ARG char *argv[])
?C:.
?C:V_FUNC_VOID:
?C: This macro is used to declare "public" (non-static) functions that have
?C: no arguments. The macro takes one argument: the function type and name.
?C: For example:
?C:
?C: V_FUNC_VOID(int fork)
?C:.
?C:_ (P):
?C: This macro is used to declare function parameters for folks who want
?C: to make declarations with prototypes using a
?C: different style than
?C: the above macros. Use double parentheses. For example:
?C:
?C: int main _((int argc, char *argv[]));
?C:.
?H:%<:#$prototype CAN_PROTOTYPE /**/
?H:%<:#ifdef CAN_PROTOTYPE
?H:NXT_ARG:#define NXT_ARG ,
?H:DOTS:#define DOTS , ...
?H:V_FUNC:#define V_FUNC(name, arglist, args)name(args)
?H:P_FUNC:#define P_FUNC(name, arglist, args)static name(args)
?H:V_FUNC_VOID:#define V_FUNC_VOID(name)name(void)
?H:P_FUNC_VOID:#define P_FUNC_VOID(name)static name(void)
?H:?:#define _(args) args
?H:%<:#else
?H:NXT_ARG:#define NXT_ARG ;
?H:DOTS:#define DOTS
?H:V_FUNC:#define V_FUNC(name, arglist, args)name arglist args;
?H:P_FUNC:#define P_FUNC(name, arglist, args)static name arglist args;
?H:V_FUNC_VOID:#define V_FUNC_VOID(name)name()
?H:P_FUNC_VOID:#define P_FUNC_VOID(name)static name()
?H:?:#define _(args) ()
?H:%<:#endif
?H:.
?W:%<:NXT_ARG DOTS V_FUNC P_FUNC V_FUNC_VOID P_FUNC_VOID _
?LINT:set prototype
: Cruising for prototypes
echo " "

```

```

echo "Checking out
function prototypes..." >&4
$cat >prototype.c <<'EOCP'
int main(int argc, char *argv[]) {
    exit(0);}
EOCP
if $cc $ccflags -c prototype.c >prototype.out 2>&1 ; then
    echo "Your C compiler appears to support function prototypes."
    val="$define"
else
    echo "Your C compiler doesn't seem to understand function prototypes."
    val="$undef"
fi
set prototype
eval $setvar
$rm -f prototype*

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/prototype.U
```

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?RCS: \$Id: d\_getspnam\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

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?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_getspnam\_r getsppnam\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads i\_shadow extern\_C

?MAKE: -pick add \$@ %<

?S:d\_getspnam\_r:

?S: This variable conditionally defines the HAS\_GETSPNAM\_R symbol,

?S: which indicates to the C program that the getsppnam\_r()

?S: routine is available.

?S:.

?S:getsppnam\_r\_proto:

?S: This variable encodes the prototype of getsppnam\_r.

?S: It is zero if d\_getspnam\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getspnam\_r

?S: is defined.

?S:.

?C:HAS\_GETSPNAM\_R:

?C: This symbol, if defined, indicates that the getsppnam\_r routine

?C: is available

to getsnam re-entrantly.

?C:.

?C:GETSPNAM\_R\_PROTO:

?C: This symbol encodes the prototype of getsnam\_r.

?C: It is zero if d\_getsnam\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getsnam\_r

?C: is defined.

?C:.

?H:#\$d\_getsnam\_r HAS\_GETSPNAM\_R /\*\*/

?H:#define GETSPNAM\_R\_PROTO \$getsnam\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_getsnam\_r\_proto

: see if getsnam\_r exists

set getsnam\_r d\_getsnam\_r

eval \$inlibc

case "\$d\_getsnam\_r" in

"\$define")

hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_shadow shadow.h"

case "\$d\_getsnam\_r\_proto:\$usethreads" in

":define") d\_getsnam\_r\_proto=define

set d\_getsnam\_r\_proto getsnam\_r \$hdrs

eval \$hasproto ;;

\*) ;;

esac

case "\$d\_getsnam\_r\_proto" in

define)

case "\$getsnam\_r\_proto" in

"|0) try='int getsnam\_r(const char\*, struct spwd\*, char\*, size\_t, struct spwd\*\*);'

./prochck "\$extern\_C \$try" \$hdrs && getsnam\_r\_proto=I\_CSBWR ;;

esac

case "\$getsnam\_r\_proto" in

"|0) try='struct spwd\* getsnam\_r(const char\*, struct  
spwd\*, char\*, int);'

./prochck "\$extern\_C \$try" \$hdrs && getsnam\_r\_proto=S\_CSBI ;;

esac

case "\$getsnam\_r\_proto" in

"|0) d\_getsnam\_r=undef

getsnam\_r\_proto=0

echo "Disabling getsnam\_r, cannot determine prototype." >&4 ;;

\* ) case "\$getsnam\_r\_proto" in

REENTRANT\_PROTO\*) ;;

\*) getsnam\_r\_proto="REENTRANT\_PROTO\_\$getsnam\_r\_proto" ;;

esac

echo "Prototype: \$try" ;;

esac

::

\*) case "\$usethreads" in

define) echo "getsnam\_r has no prototype, not using it." >&4 ;;

```
esac
d_getspnam_r=undef
getspnam_r_proto=0
;;
esac
;;
*) getspnam_r_proto=0
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_getspnam_r.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_gethbyad.U,v $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1998 Andy Dougherty
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:d_gethbyaddr: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_gethbyaddr:
```

```
?S: This variable conditionally defines the HAS_GETHOSTBYADDR symbol, which
```

```
?S: indicates to the C program that the gethostbyaddr() routine is available
```

```
?S: to look up hosts by their IP addresses.
```

```
?S:.
```

```
?C:HAS_GETHOSTBYADDR:
```

```
?C: This symbol, if defined, indicates that the gethostbyaddr() routine is
```

```
?C: available to look up hosts by their IP addresses.
```

```
?C:.
```

```
?H:#$d_gethbyaddr HAS_GETHOSTBYADDR /**/
```

```
?H:.
```

```
?LINT:set d_gethbyaddr
```

```
: see if gethostbyaddr exists
```

```
set gethostbyaddr d_gethbyaddr
```

```
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_gethbyad.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_dlerror.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: d\_dlerror.U,v \$  
?RCS: Revision 3.0.1.2 1995/07/25 13:52:49 ram  
?RCS: patch56: force compile-link test since symbol might lie in crt0.o (ADO)  
?RCS:  
?RCS: Revision 3.0.1.1 1994/10/29 16:11:23 ram  
?RCS: patch36: created by ADO  
?RCS:  
?MAKE:d\_dlerror: Inlibc runnm  
?MAKE: -pick add \$@ %<  
?S:d\_dlerror:  
?S: This variable conditionally defines the HAS\_DLERROR symbol, which  
?S: indicates  
to the C program that the dlerror() routine is available.  
?S:.  
?C:HAS\_DLERROR :  
?C: This symbol, if defined, indicates that the dlerror routine is  
?C: available to return a string describing the last error that  
?C: occurred from a call to dlopen(), dlclose() or dlsym().  
?C:.  
?H:#\$d\_dlerror HAS\_DLERROR /\*\*/  
?H:.  
?T: xxx\_runnm  
?LINT:set d\_dlerror  
?X: We don't permanently change runnm, but we do temporarily.  
?LINT: change runnm  
: see if dlerror exists  
?X: On NetBSD and FreeBSD, dlerror might be available, but it is in  
?X: /usr/lib/crt0.o, not in any of the libraries. Therefore, do not  
?X: use the nm extraction, but use a real compile and link test instead.  
xxx\_runnm="\$runnm"  
runnm=false  
set dlerror d\_dlerror  
eval \$inlibc  
runnm="\$xxx\_runnm"

Found in path(s):  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_dlerror.U

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: voidflags.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 16:27:58 ram

?RCS: patch61: don't prompt them if the void support is high enough for us

?RCS:

?RCS: Revision 3.0.1.1 1995/01/11 15:37:44 ram

?RCS: patch45: cosmetic change to avoid spurious blank lines when using -s

?RCS:

?RCS: Revision 3.0 1993/08/18 12:10:01 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:voidflags defvoidused: cat sed rm rm\_try contains +cc +ccflags package \  
Oldconfig Myread

?MAKE: -pick add \$@ %<

?S:voidflags:

?S: This

variable contains the eventual value of the VOIDFLAGS symbol,

?S: which indicates how much support of the void type is given by this

?S: compiler. See VOIDFLAGS for more info.

?S:.

?S:defvoidused:

?S: This variable contains the default value of the VOIDUSED symbol (15).

?S:.

?X: Exceptionally, we have to explicitly alias the symbol name for

?X: config\_h.SH, otherwise the comment would not appear.

?C:VOIDFLAGS ~ %<:

?C: This symbol indicates how much support of the void type is given by this

?C: compiler. What various bits mean:

?C:

?C: 1 = supports declaration of void

?C: 2 = supports arrays of pointers to functions returning void

?C: 4 = supports comparisons between pointers to void functions and

?C: addresses of void functions

?C: 8 = supports declaration of generic void pointers

?C:

?C: The package designer should define VOIDUSED to indicate the requirements

?C: of the package. This can be done either by #defining VOIDUSED before

```

?C: including
    config.h, or by defining defvoidused in Myinit.U. If the
?C: latter approach is taken, only those flags will be tested. If the
?C: level of void support necessary is not present, defines void to int.
?C:.
?H:%<:#ifndef VOIDUSED
?H:%<:#define VOIDUSED $defvoidused
?H:%<:#endif
?H:%<:#define VOIDFLAGS $voidflags
?H:%<:#if (VOIDFLAGS & VOIDUSED) != VOIDUSED
?H:%<:#define void int /* is void to be avoided? */
?H:%<:#define M_VOID /* Xenix strikes again */
?H:%<:#endif
?H:.
?W:%<:void
?F:!.out !try.c !flags
?LINT:usefile .out flags try.c
?INIT:: full support for void wanted by default
?INIT:defvoidused=15
?INIT:
?LINT:known void M_VOID VOIDUSED
: check for void type
echo " "
echo "Checking to see how well your C compiler groks the void type..." >&4
$cat >flags <<EOM

```

Support flag bits are:

- 1: basic void declarations.
- 2: arrays of pointers to functions returning void.
- 4: operations between pointers to and addresses of void functions.
- 8: generic void pointers.

```

EOM
case
"$voidflags" in
")
$cat >try.c <<'EOCP'
#if TRY & 1
void sub() {
#else
sub() {
#endif
extern void moo(); /* function returning void */
void (*goo)(); /* ptr to func returning void */
#if TRY & 8
void *hue; /* generic ptr */
#endif
#if TRY & 2

```



```

void (*foo[10])();
#endif

#if TRY & 4
if(goo == moo) {
    exit(0);
}
#endif
exit(0);
}
int main() { sub(); }
EOCP
?X: This unit used to use cc -S in those tests to try to speed up things, but
?X: unfortunately, AIX 3.2 does not support this option.
if $cc $ccflags -c -DTRY=$defvoidused try.c >/dev/null 2>&1 ; then
    voidflags=$defvoidused
    echo "Good. It appears to support void to the level $package wants."
    if $contains warning .out >/dev/null 2>&1; then
        echo "However, you might get some warnings that look like this:"
        $sed -e 's/^/' .out
    fi
else
echo "Hmm, your compiler has some difficulty with void. Checking further..." >&4
$cat >&4 flags
$rm -f flags
if $cc $ccflags -c -DTRY=1 try.c >/dev/null 2>&1; then
    echo
    "It supports 1..."
    if $cc $ccflags -c -DTRY=3 try.c >/dev/null 2>&1; then
        echo "It also supports 2..."
    fi
    if $cc $ccflags -c -DTRY=7 try.c >/dev/null 2>&1; then
        voidflags=7
        echo "And it supports 4 but not 8 definitely."
    else
        echo "It doesn't support 4..."
    fi
    if $cc $ccflags -c -DTRY=11 try.c >/dev/null 2>&1; then
        voidflags=11
        echo "But it supports 8."
    else
        voidflags=3
        echo "Neither does it support 8."
    fi
fi
else
echo "It does not support 2..."
if $cc $ccflags -c -DTRY=13 try.c >/dev/null 2>&1; then
    voidflags=13
    echo "But it supports 4 and 8."

```

```

else
if $cc $ccflags -c -DTRY=5 try.c >/dev/null 2>&1; then
voidflags=5
echo "And it supports 4 but has not heard about 8."
else
echo "However it supports 8 but not 4."
fi
fi
fi
else
echo "There is no support at all for void."
voidflags=0
fi
fi
esac
?X: Only prompt user if support does not match the
level we want
case "$voidflags" in
"$defvoidused")
echo "Good. I already know it supports void to the level $package wants."
;;
*)
dflt="$voidflags";
test -f flags && $cat flags
rp="Your void support flags add up to what?"
./myread
voidflags="$ans"
;;
esac
$rm_try flags

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/voidflags.U
```

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public License or the Artistic License, as specified in the README file.

?RCS:

?RCS:

?X:

?X: This unit is just a quick shorthand for the compile command

?X: to be used in all the other metaconfig units.

?X:

?MAKE:Compile: +cc +optimize +ccflags +ldflags +libs

?MAKE: -pick add \$@ %<

?LINT:define compile compile\_ok

?V:compile compile\_ok mc\_file

?S:compile:

?S: This shell variable is used internally by Configure to provide a convenient shorthand for the typical compile command, namely

?S: \$cc \$optimize \$ccflags \$ldflags -o \$1 \$1.c \$libs > /dev/null 2>&1

?S: Note that the output filename does not include the \_exe extension. Instead we assume that the linker will be "helpful" and automatically appending the correct suffix.

?S: OS/2 users will apparently need to supply the `-Zexe` flag to get this behavior.

?S:

?S: To use this variable, say something like:

?S: `echo 'int main() { exit(0); }' > try.c`

?S: `set try`

?S: `if eval $compile; then`

?S: `echo "success" # and do whatever . . .`

?S: `else`

?S: `echo "failure" # and do whatever . . .`

?S: `fi`

?S: To add extra flags cc flags (e.g. `-DWHATEVER`) just put them in `$*`, e.g.

?S: `set try -DTRY_THIS_FLAG`

?S:.

?S:compile\_ok:

?S: This shell variable is used internally by Configure to provide a convenient shorthand for the typical compile command that you expect to work ok. It is the same as `$compile`, except we deliberately let the user see any error messages.

?S:.

: define a shorthand compile call

`compile='`

`mc_file=$1;`

`shift;`

`$cc -o ${mc_file} $optimize $ccflags $ldflags $* ${mc_file}.c $libs > /dev/null 2>&1;`

: define a shorthand compile call for compilations that should be ok.

```
compile_ok='
mc_file=$1;
shift;
$cc -o ${mc_file} $optimize $ccflags $ldflags $* ${mc_file}.c $libs;
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Compile.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_math.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: i_math.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:21:59 ram
?RCS: patch32: created by ADO
?RCS:
?MAKE:i_math: Inhdr
?MAKE: -pick add $@ %<
?X: Are there really systems that *DON'T* have math.h?
?S:i_math:
?S: This variable conditionally defines the I_MATH symbol, and indicates
?S: whether a C program may include <math.h>.
?S:.
?C:I_MATH:
?C: This symbol, if defined, indicates
?C: to the C program that it should
?C: include <math.h>.
?C:.
?H:#$i_math I_MATH /**/
?H:.
?LINT:set i_math
: see if this is a math.h system
set math.h i_math
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_math.U
```

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```
?RCS: $Id$
?RCS:
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?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_readv: Inlibc
?MAKE:-pick add $@ %<
?S:d_readv:
?S: This variable conditionally defines the HAS_READV symbol, which
?S: indicates to the C program that the readv() routine is available.
?S:.
?C:HAS_READV:
?C: This symbol, if defined, indicates that the readv routine is
?C: available to do gather reads. You will also need <sys/uio.h>
?C: and there I_SYSUIO.
?C:.
?H:#$d_readv HAS_READV /**/
?H:.
?LINT:set d_readv
: see if readv exists
set readv d_readv
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_readv.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_safebcpy.U,v $
?RCS: Revision 3.0.1.4 1997/02/28 15:40:58 ram
?RCS: patch61: improved overlapping copy check
?RCS: patch61: comfort them if they have memmove
?RCS: patch61: added ?F: metalint hint
?RCS:
```

?RCS: Revision 3.0.1.3 1995/07/25 13:58:40 ram

?RCS: patch56: re-arranged compile line to include ldflags before objects

?RCS:

?RCS: Revision 3.0.1.2 1995/01/11 15:29:23 ram

?RCS: patch45: added 'ldflags' to the test compile line (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 14:49:03  
ram

?RCS: patch23: ensure string is not optimized in read-only memory (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:06:58 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_safebcpy: cat d\_bcopy +cc +optimize +ccflags +ldflags +libs rm \  
d\_memmove i\_memory i\_stdlib i\_string i\_unistd Oldconfig Setvar

?MAKE: -pick add \$@ %<

?S:d\_safebcpy:

?S: This variable conditionally defines the HAS\_SAFE\_BCOPY symbol if  
?S: the bcopy() routine can do overlapping copies.

?S:.

?C:HAS\_SAFE\_BCOPY (SAFE\_BCOPY):

?C: This symbol, if defined, indicates that the bcopy routine is available  
?C: to copy potentially overlapping memory blocks. Otherwise you should  
?C: probably use memmove() or memcpy(). If neither is defined, roll your  
?C: own version.

?C:.

?H:#\$d\_safebcpy HAS\_SAFE\_BCOPY /\*\*/  
?H:.

?F:!safebcpy

?LINT: set d\_safebcpy  
: can bcopy handle overlapping blocks?  
?X: assume the worst

```
val="$undef"
case "$d_bcopy" in
"$define")
echo " "
echo "Checking to see if your bcopy() can do overlapping
copies..." >&4
$cat >foo.c <<EOCP
#$i_memory I_MEMORY
#$i_stdlib I_STDLIB
#$i_string I_STRING
#$i_unistd I_UNISTD
EOCP
$cat >>foo.c <<'EOCP'
#include <stdio.h>
#ifdef I_MEMORY
# include <memory.h>
```

```

#endif
#ifdef I_STDLIB
# include <stdlib.h>
#endif
#ifdef I_STRING
# include <string.h>
#else
# include <strings.h>
#endif
#ifdef I_UNISTD
# include <unistd.h> /* Needed for NetBSD */
#endif
int main()
{
char buf[128], abc[128];
char *b;
int len;
int off;
int align;

?X: Copy "abcde..." string to char abc[] so that gcc doesn't
?X: try to store the string in read-only memory.
bcopy("abcdefghijklmnopqrstuvwxy0123456789", abc, 36);

for (align = 7; align >= 0; align--) {
for (len = 36; len; len--) {
b = buf+align;
bcopy(abc, b, len);
for (off = 1; off <= len; off++) {
bcopy(b, b+off, len);
bcopy(b+off, b, len);
if (bcmp(b, abc, len))
exit(1);
}
}
}
exit(0);
}
EOCP
if $cc $optimize $ccflags $ldflags \
-o safebcopy foo.c $libs >/dev/null 2>&1; then
if ./safebcopy
2>/dev/null; then
echo "Yes, it can."
val="$define"
else
echo "It can't, sorry."
case "$d_memmove" in

```

```

"$define") echo "But that's Ok since you have memmove()." ;;
esac
fi
else
echo "(I can't compile the test program, so we'll assume not...)"
case "$d_memmove" in
"$define") echo "But that's Ok since you have memmove()." ;;
esac
fi
;;
esac
$rm -f foo.* safebcpy core
set d_safebcpy
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_safebcpy.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: netdbtype.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: netdbtype.U,v \$

?RCS:

?MAKE:netdb\_host\_type netdb\_hlen\_type netdb\_name\_type netdb\_net\_type: \

Protochk Oldconfig Myread cat \

d\_gethostbyaddr d\_gethostbyname d\_getnetbyaddr \

i\_niin i\_netdb i\_unistd d\_socket sizetype extern\_C

?MAKE: -pick add \$@ %<

?S:netdb\_host\_type:

?S: This variable holds the type used for the 1st argument to

?S: gethostbyaddr(). Usually, this is char \* or void \*, possibly

?S: with or without a const prefix.

?S: This is only useful if you have gethostbyaddr(), naturally.

?S:.

?S:netdb\_hlen\_type:

?S: This variable holds the type used for the 2nd argument to

?S: gethostbyaddr(). Usually,

this is int or size\_t or unsigned.

?S: This is only useful if you have gethostbyaddr(), naturally.

?S:.



```

?S:netdb_name_type:
?S: This variable holds the type used for the argument to
?S: gethostbyname(). Usually, this is char * or const char *.
?S: This is only useful if you have gethostbyname(), naturally.
?S:.
?S:netdb_net_type:
?S: This variable holds the type used for the 1st argument to
?S: getnetbyaddr(). Usually, this is int or long.
?S: This is only useful if you have getnetbyaddr(), naturally.
?S:.
?C:Netdb_host_t:
?C: This symbol holds the type used for the 1st argument
?C: to gethostbyaddr().
?C:.
?C:Netdb_hlen_t:
?C: This symbol holds the type used for the 2nd argument
?C: to gethostbyaddr().
?C:.
?C:Netdb_name_t:
?C: This symbol holds the type used for the argument to
?C: gethostbyname().
?C:.
?C:Netdb_net_t:
?C: This symbol holds the type used for the 1st argument to
?C: getnetbyaddr().
?C:.
?H:#define Netdb_host_t $netdb_host_type /**/
?H:#define Netdb_hlen_t $netdb_hlen_type
/**/
?H:#define Netdb_name_t $netdb_name_type /**/
?H:#define Netdb_net_t $netdb_net_type /**/
?H:.
?T:xxx yyy try hdrs
@if netdb_host_type || Netdb_host_t || netdb_hlen_type || Netdb_hlen_t
: check for type of arguments to gethostbyaddr.
if test "X$netdb_host_type" = X -o "X$netdb_hlen_type" = X; then
case "$d_gethbyaddr" in
$define)
$cat <<EOM

```

Checking to see what type of arguments are accepted by gethostbyaddr().

EOM

```

hdrs="$define sys/types.h
$d_socket sys/socket.h
$i_niin netinet/in.h
$i_netdb netdb.h
$i_unistd unistd.h"
: The first arg can 'char *' or 'void *'

```

```

: The second arg is some of integral type
for xxx in in_addr_t 'const void *' 'const char *' 'void *' 'char *'; do
for yyy in size_t long int; do
case "$netdb_host_type" in
") try="$extern_C struct hostent *gethostbyaddr($xxx, $yyy, int);"
if ./protochk "$try" $hdrs; then
echo "Your system accepts $xxx for the first arg."
echo "...and $yyy for the second arg."
netdb_host_type="$xxx"
netdb_hlen_type="$yyy"
fi
;;
esac
done
done
:

```

In case none of those worked, prompt the user.

```

case "$netdb_host_type" in
") rp='What is the type for the 1st argument to gethostbyaddr?'
dflt='char *'
./myread
netdb_host_type=$ans
rp='What is the type for the 2nd argument to gethostbyaddr?'
dflt="$sizetype"
./myread
netdb_hlen_type=$ans
;;
esac
;;
*) : no gethostbyaddr, so pick harmless defaults
netdb_host_type='char *'
netdb_hlen_type="$sizetype"
;;
esac
# Remove the "const" if needed. -- but then we'll have a
# prototype clash!
# netdb_host_type=`echo "$netdb_host_type" | sed 's/^const //'`
fi
@end

```

```

@if netdb_name_type || Netdb_name_t
: check for type of argument to gethostbyname.
if test "X$netdb_name_type" = X ; then
case "$d_gethbyname" in
$define)
$cat <<EOM

```

Checking to see what type of argument is accepted by gethostbyname().

EOM

```
hdrs="$define sys/types.h
$d_socket sys/socket.h
$i_niin
netinet/in.h
$i_netdb netdb.h
$i_unistd unistd.h"
for xxx in "const char *" "char *"; do
case "$netdb_name_type" in
") try="$xtern_C struct hostent *gethostbyname($xxx);"
if ./protochk "$try" $hdrs; then
echo "Your system accepts $xxx."
netdb_name_type="$xxx"
fi
;;
esac
done
: In case none of those worked, prompt the user.
case "$netdb_name_type" in
") rp='What is the type for the 1st argument to gethostbyname?'
dflt='char *'
./myread
netdb_name_type=$ans
;;
esac
;;
*) : no gethostbyname, so pick harmless default
netdb_name_type='char *'
;;
esac
fi
@end
```

```
@if netdb_net_type || Netdb_net_t
: check for type of 1st argument to getnetbyaddr.
if test "X$netdb_net_type" = X ; then
case "$d_getnbyaddr" in
$define)
$cat <<EOM
```

Checking to see what type of 1st argument is accepted by getnetbyaddr().

EOM

```
hdrs="$define sys/types.h
$d_socket sys/socket.h
$i_niin netinet/in.h
$i_netdb netdb.h
$i_unistd
```

```

unistd.h"
for xxx in in_addr_t "unsigned long" long "unsigned int" int; do
case "$netdb_net_type" in
") try="$xtern_C struct netent *getnetbyaddr($xxx, int);"
if ./protochk "$stry" $hdrs; then
echo "Your system accepts $xxx."
netdb_net_type="$xxx"
fi
;;
esac
done
: In case none of those worked, prompt the user.
case "$netdb_net_type" in
") rp='What is the type for the 1st argument to getnetbyaddr?'
dflt='long'
./myread
netdb_net_type=$ans
;;
esac
;;
*) : no getnetbyaddr, so pick harmless default
netdb_net_type='long'
;;
esac
fi
@end

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/netdbtype.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getservprotos.U,v \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_getservprotos : Hasproto i\_netdb

?MAKE: -pick add \$@ %<

?S:d\_getservprotos:

?S: This variable conditionally defines the HAS\_GETSERV\_PROTOS symbol,

?S: which indicates to the C program that <netdb.h> supplies

?S: prototypes for the various getserv\*() functions.

?S: See also netdbtype.U for probing for various netdb types.  
?S:.  
?C:HAS\_GETSERV\_PROTOS:  
?C: This symbol, if defined, indicates that <netdb.h> includes  
?C: prototypes for getservent(), getservbyname(), and  
?C: getservbyaddr(). Otherwise,  
it is up to the program to guess  
?C: them. See netdbtype.U for probing for various Netdb\_xxx\_t types.  
?C:.  
?H:#\$d\_getservprotos HAS\_GETSERV\_PROTOS /\*\*/  
?H:.  
?LINT:set d\_getservprotos  
: see if prototypes for various getservxxx netdb.h functions are available  
echo " "  
set d\_getservprotos getservent \$i\_netdb netdb.h  
eval \$hasproto

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/d\_getservprotos.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getnetprotos.U,v \$  
?RCS:  
?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
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?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?MAKE:d\_getnetprotos : Hasproto i\_netdb  
?MAKE: -pick add \$@ %<  
?S:d\_getnetprotos:  
?S: This variable conditionally defines the HAS\_GETNET\_PROTOS symbol,  
?S: which indicates to the C program that <netdb.h> supplies  
?S: prototypes for the various getnet\*() functions.  
?S: See also netdbtype.U for probing for various netdb types.  
?S:.  
?C:HAS\_GETNET\_PROTOS:  
?C: This symbol, if defined, indicates that <netdb.h> includes  
?C: prototypes for getnetent(), getnetbyname(), and  
?C: getnetbyaddr(). Otherwise,  
it is up to the program to guess  
?C: them. See netdbtype.U for probing for various Netdb\_xxx\_t types.  
?C:.  
?H:#\$d\_getnetprotos HAS\_GETNET\_PROTOS /\*\*/

```
?H:
?LINT:set d_getnetprotos
: see if prototypes for various getnetxxx netdb.h functions are available
echo " "
set d_getnetprotos getnetent $i_netdb netdb.h
eval $hasproto
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/d_getnetprotos.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1998, Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?MAKE:i_syssecrets: Inhdr
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_syssecrets:
```

```
?S: This variable conditionally defines the I_SYS_SECURITY symbol,
```

```
?S: and indicates whether a C program should include <sys/security.h>.
```

```
?S:.
```

```
?C:I_SYS_SECURITY:
```

```
?C: This symbol, if defined, indicates to the C program that it should
```

```
?C: include <sys/security.h>.
```

```
?C:.
```

```
?H:#$i_syssecrets I_SYS_SECURITY /**/
```

```
?H:
```

```
?LINT:set i_syssecrets
```

```
: see if sys/security.h is available
```

```
set sys/security.h i_syssecrets
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/acl/i_syssecrets.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Warn_v7EXT.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

?RCS: You may redistribute only under the terms of the Artistic Licence,  
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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: Warn\_v7EXT.U,v \$  
?RCS: Revision 3.0.1.1 1994/10/29 16:01:42 ram  
?RCS: patch36: call ./v7 explicitly instead of relying on PATH  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:17 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This unit issues warnings to V7 sites that they are living dangerously.  
?X: This unit needs to get mentioned in End.U to get included.  
?X:  
?MAKE:Warn\_v7EXT: package Guess  
?MAKE: -pick add \$@ %<  
: Warnings  
if ./v7;  
then  
cat <<EOM

NOTE: the V7 compiler may ignore some #undefs that \$package uses. If so,  
you may get messages about redefining EXT. Some V7 compilers also have  
difficulties with #defines near buffer boundaries, so beware. You may have  
to play with the spacing in some .h files, believe it or not.

EOM  
fi

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/dist/U/Warn\_v7EXT.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_syslog.U,v \$  
?RCS:  
?RCS: Copyright (c) 2000 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:i\_syslog: Inhdr Hasfield  
?MAKE: -pick add \$@ %<  
?S:i\_syslog:  
?S: This variable conditionally defines the I\_SYSLOG symbol,  
?S: and indicates whether a C program should include <syslog.h>.

?S:  
?C:I\_SYSLOG:  
?C: This symbol, if defined, indicates that <syslog.h> exists and  
?C: should be included.  
?C:.  
?H:#\$i\_syslog I\_SYSLOG /\*\*/  
?H:.  
?LINT:set i\_syslog  
: see if this is a syslog.h system  
set syslog.h i\_syslog  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_syslog.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Copyright (c) 1999 Jarkko Hietaniemi  
?RCS:  
?MAKE:usesocks: Myread Oldconfig Setvar spackage package  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?S:usesocks:  
?S: This variable conditionally defines the USE\_SOCKS symbol,  
?S: and indicates that Perl should be built to use SOCKS.  
?S:.  
?C:USE\_SOCKS:  
?C: This symbol, if defined, indicates that Perl should  
?C: be built to use socks.  
?C:.  
?H:?\$<:#\$usesocks USE\_SOCKS /\*\*/  
?H:.  
?D:usesocks="  
?LINT:set usesocks  
: check for requested SOCKS support  
case "\$usesocks" in  
\$define|true|[yY]\*) dflt='y';;  
\*)



```
dflt='n';
esac
cat <<EOM
```

\$package can be built to use the SOCKS proxy protocol library.  
If this doesn't make any sense to you, just accept the default '\$dflt'.

EOM

```
rp="Build $package for SOCKS?"
./myread
case "$ans" in
y|Y) val="$define" ;;
*)   val="$undef" ;;
esac
set usesocks
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/usesocks.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_time.U,v 3.0.1.2 1995/07/25 14:07:43 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: d\_time.U,v \$

?RCS: Revision 3.0.1.2 1995/07/25 14:07:43 ram

?RCS: patch56: typo fix, sytem -> system

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 16:16:38 ram

?RCS: patch36: now uses new Typedef unit to compute type information (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:07:45 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X: Maybe <sys/types.h> should be included?

?X:INC: i\_systypes

?MAKE:d\_time timetype: Csym Setvar Findhdr Myread Typedef

?MAKE: -pick

add \$@ %<

?S:d\_time:

?S: This variable conditionally defines the HAS\_TIME symbol, which indicates

?S: that the time() routine exists. The time() routine is normally  
?S: provided on UNIX systems.

?S:.

?S:timetype:

?S: This variable holds the type returned by time(). It can be long,  
?S: or time\_t on BSD sites (in which case <sys/types.h> should be  
?S: included). Anyway, the type Time\_t should be used.

?S:.

?C:HAS\_TIME (TIMER):

?C: This symbol, if defined, indicates that the time() routine exists.

?C:.

?C:Time\_t (TIMETYPE):

?C: This symbol holds the type returned by time(). It can be long,  
?C: or time\_t on BSD sites (in which case <sys/types.h> should be  
?C: included).

?C:.

?H:#\$d\_time HAS\_TIME /\*\*/

?H:#define Time\_t \$timetype /\* Time type \*/

?H:.

?LINT:set d\_time

: see if time exists

echo " "

?X: MPE/iX needs this protection of hint values.

?X: See d\_sterror.U for more explanation.

if test "\$d\_time" = X -o X"\$timetype" = X; then

if set time val -f d\_time; eval \$csym; \$val;

then

echo 'time() found.' >&4

val="\$define"

rp="What is the type returned by time() on this system?"

set time\_t timetype long stdio.h sys/types.h

eval \$typedef\_ask

else

echo 'time() not found, hope that will do.' >&4

val="\$undef"

timetype='int';

fi

set d\_time

eval \$setvar

fi

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/U/typedefs/d\_time.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_fsetpos.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_fsetpos.U,v \$  
?RCS: Revision 3.0.1.1 1994/06/20 06:57:38 ram  
?RCS: patch30: created  
?RCS:  
?MAKE:d\_fsetpos: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_fsetpos:  
?S: This variable conditionally defines HAS\_FSETPOS if fsetpos() is  
?S: available to set the file position indicator.  
?S:.  
?C:HAS\_FSETPOS:  
?C: This symbol, if defined, indicates that the fsetpos routine is  
?C: available to set the file position indicator, similar to fseek().  
?C:.  
?H:#\$d\_fsetpos  
HAS\_FSETPOS /\*\*/  
?H:.  
?LINT:set d\_fsetpos  
: see if fsetpos exists  
set fsetpos d\_fsetpos  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_fsetpos.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_setnetent\_r.U,v 0RCS:  
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.  
?RCS:  
?MAKE:d\_setnetent\_r setnetent\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_netdb extern\_C  
?MAKE: -pick add \$@ %<  
?S:d\_setnetent\_r:  
?S: This variable conditionally defines the HAS\_SETNETENT\_R symbol,

?S: which indicates to the C program that the setnetent\_r()  
?S: routine is available.  
?S:.  
?S:setnetent\_r\_proto:  
?S: This variable encodes the prototype of setnetent\_r.  
?S: It is zero if d\_setnetent\_r is undef, and one of the  
?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_setnetent\_r  
?S: is defined.  
?S:.  
?C:HAS\_SETNETENT\_R:  
?C: This symbol, if defined, indicates that the setnetent\_r routine  
?C: is  
available to setnetent re-entrantly.  
?C:.  
?C:SETNETENT\_R\_PROTO:  
?C: This symbol encodes the prototype of setnetent\_r.  
?C: It is zero if d\_setnetent\_r is undef, and one of the  
?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_setnetent\_r  
?C: is defined.  
?C:.  
?H:#\$d\_setnetent\_r HAS\_SETNETENT\_R /\*\*/  
?H:#define SETNETENT\_R\_PROTO \$setnetent\_r\_proto /\*\*/  
?H:.  
?T:try hdrs d\_setnetent\_r\_proto  
: see if setnetent\_r exists  
set setnetent\_r d\_setnetent\_r  
eval \$inlibc  
case "\$d\_setnetent\_r" in  
"\$define")  
hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_netdb netdb.h"  
case "\$d\_setnetent\_r\_proto:\$usetthreads" in  
":define") d\_setnetent\_r\_proto=define  
set d\_setnetent\_r\_proto setnetent\_r \$hdrs  
eval \$hasproto ;;  
\*) ;;  
esac  
case "\$d\_setnetent\_r\_proto" in  
define)  
case "\$setnetent\_r\_proto" in  
"|0) try='int setnetent\_r(int, struct netent\_data\*);'  
./protochk "\$extern\_C \$try" \$hdrs && setnetent\_r\_proto=I\_ID ;;  
esac  
case "\$setnetent\_r\_proto" in  
"|0) try='void setnetent\_r(int, struct netent\_data\*);'  
./protochk  
"\$extern\_C \$try" \$hdrs && setnetent\_r\_proto=V\_ID ;;  
esac  
case "\$setnetent\_r\_proto" in

```

"|0) d_setnetent_r=undef
setnetent_r_proto=0
echo "Disabling setnetent_r, cannot determine prototype." >&4 ;;
*) case "$setnetent_r_proto" in
REENTRANT_PROTO*) ;;
*) setnetent_r_proto="REENTRANT_PROTO_$setnetent_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "setnetent_r has no prototype, not using it." >&4 ;;
esac
d_setnetent_r=undef
setnetent_r_proto=0
;;
esac
;;
*) setnetent_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_setnetent_r.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_sjis2jis.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
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```
?RCS: as specified in the README file that comes with the distribution.
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?RCS: You may reuse parts of this distribution only within the terms of
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?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_sjis2jis.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:07:25 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:d_sjis2jis: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_sjis2jis:
```

```
?S: This variable conditionally defines the HAS_SJIS2JIS symbol, which
```

```
?S: indicates to the C program that the sjis2jis() routine is available
```

```
?S: to convert SJIS to JIS.
```

```
?S:.
```

?C:HAS\_SJIS2JIS:

?C: This symbol, if defined, indicates that the sjis2jis routine is

?C: available

to convert SJIS to JIS.

?C:.

?H:#\$d\_sjis2jis HAS\_SJIS2JIS /\*\*/

?H:.

?LINT:set d\_sjis2jis

: see if sjis2jis exists

set sjis2jis d\_sjis2jis

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_sjis2jis.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_cuserid.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_cuserid.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:07:25 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:d\_cuserid: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_cuserid:

?S: This variable conditionally defines the HAS\_CUSERID symbol, which

?S: indicates to the C program that the cuserid() routine is available

?S: to get character login names.

?S:.

?C:HAS\_CUSERID :

?C: This symbol,

if defined, indicates that the cuserid routine is

?C: available to get character login names.

?C:.

?H:#\$d\_cuserid HAS\_CUSERID /\*\*/

?H:.

?LINT:set d\_cuserid

```
: see if cuserid exists
set cuserid d_cuserid
eval $inlibc
```

Found in path(s):

```
*/opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_cuserid.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_attribut.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
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?RCS: as specified in the README file that comes with the distribution.
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```
?RCS: You may reuse parts of this distribution only within the terms of
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```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
```

```
?RCS:
```

```
?RCS: $Log: d_attribut.U,v $
```

```
?RCS: Revision 3.0.1.3 1995/01/30 14:33:45 ram
```

```
?RCS: patch49: test C program now includes <stdio.h> (WED)
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.2 1995/01/11 15:25:47 ram
```

```
?RCS: patch45: fixed typo in the d_attribut variable (ADO)
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.1 1994/10/29 16:08:55 ram
```

```
?RCS: patch36: created by ADO
```

```
?RCS:
```

```
?MAKE:d_attribute_deprecated d_attribute_format
```

```
d_attribute_malloc \
```

```
d_attribute_nonnull d_attribute_noreturn d_attribute_pure \
```

```
d_attribute_unused d_attribute_warn_unused_result \
```

```
d_printf_format_null: \
```

```
Myread Oldconfig cat cc ccflags rm Setvar contains i_stdlib run \
```

```
i_inttypes
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_attribute_format:
```

```
?S: This variable conditionally defines HASATTRIBUTE_FORMAT, which
```

```
?S: indicates the C compiler can check for printf-like formats.
```

```
?S:.
```

```
?S:d_attribute_deprecated:
```

```
?S: This variable conditionally defines HASATTRIBUTE_DEPRECATED, which
```

```
?S: indicates that GCC can handle the attribute for marking deprecated
```

```
?S: APIs
```

```
?S:.
```

?S:d\_printf\_format\_null:

?S: This variable conditionally defines PRINTF\_FORMAT\_NULL\_OK, which

?S: indicates the C compiler allows printf-like formats to be null.

?S:.

?S:d\_attribute\_malloc:

?S: This variable conditionally defines HASATTRIBUTE\_MALLOC, which

?S: indicates the C compiler can understand functions as having

?S: malloc-like semantics.

?S:.

?S:d\_attribute\_nonnull:

?S: This

variable conditionally defines HASATTRIBUTE\_NONNULL, which

?S: indicates that the C compiler can know that certain arguments

?S: must not be NULL, and will check accordingly at compile time.

?S:.

?S:d\_attribute\_noreturn:

?S: This variable conditionally defines HASATTRIBUTE\_NORETURN, which

?S: indicates that the C compiler can know that certain functions

?S: are guaranteed never to return.

?S:.

?S:d\_attribute\_pure:

?S: This variable conditionally defines HASATTRIBUTE\_PURE, which

?S: indicates that the C compiler can know that certain functions

?S: are "pure" functions, meaning that they have no side effects, and

?S: only rely on function input and/or global data for their results.

?S:.

?S:d\_attribute\_unused:

?S: This variable conditionally defines HASATTRIBUTE\_UNUSED, which

?S: indicates that the C compiler can know that certain variables

?S: and arguments may not always be used, and to not throw warnings

?S: if they don't get used.

?S:.

?S:d\_attribute\_warn\_unused\_result:

?S: This variable

conditionally defines

?S: HASATTRIBUTE\_WARN\_UNUSED\_RESULT, which indicates that the C

?S: compiler can know that certain functions have a return values

?S: that must not be ignored, such as malloc() or open().

?S:.

?C:HASATTRIBUTE\_FORMAT ~ %< (GNU\_ATTRIBUTE\_CHECK):

?C: Can we handle GCC attribute for checking printf-style formats

?C:.

?C:PRINTF\_FORMAT\_NULL\_OK:

?C: Allows \_\_printf\_\_ format to be null when checking printf-style

?C:.

?C:HASATTRIBUTE\_MALLOC:

?C: Can we handle GCC attribute for malloc-style functions.

?C:.



```

?C:HASATTRIBUTE_NONNULL:
?C: Can we handle GCC attribute for nonnull function parms.
?C:.
?C:HASATTRIBUTE_NORETURN:
?C: Can we handle GCC attribute for functions that do not return
?C:.
?C:HASATTRIBUTE_PURE:
?C: Can we handle GCC attribute for pure functions
?C:.
?C:HASATTRIBUTE_UNUSED:
?C: Can we handle GCC attribute for unused variables and arguments
?C:.
?C:HASATTRIBUTE_DEPRECATED:
?C: Can we handle GCC attribute for marking deprecated APIs
?C:.
?C:HASATTRIBUTE_WARN_UNUSED_RESULT
~ %< (HASATTRIBUTE):
?C: Can we handle GCC attribute for warning on unused results
?C:.
?H:?%<:#$d_attribute_deprecated HASATTRIBUTE_DEPRECATED /**/
?H:?%<:#$d_attribute_format HASATTRIBUTE_FORMAT /**/
?H:?%<:#$d_printf_format_null PRINTF_FORMAT_NULL_OK /**/
?H:?%<:#$d_attribute_noreturn HASATTRIBUTE_NORETURN /**/
?H:?%<:#$d_attribute_malloc HASATTRIBUTE_MALLOC /**/
?H:?%<:#$d_attribute_nonnull HASATTRIBUTE_NONNULL /**/
?H:?%<:#$d_attribute_pure HASATTRIBUTE_PURE /**/
?H:?%<:#$d_attribute_unused HASATTRIBUTE_UNUSED /**/
?H:?%<:#$d_attribute_warn_unused_result HASATTRIBUTE_WARN_UNUSED_RESULT /**/
?H:.
?F:!attrib !attrib.out !attrib.c
?LINT:set d_attribute_deprecated
?LINT:set d_attribute_format
?LINT:set d_printf_format_null
?LINT:set d_attribute_malloc
?LINT:set d_attribute_nonnull
?LINT:set d_attribute_noreturn
?LINT:set d_attribute_pure
?LINT:set d_attribute_unused
?LINT:set d_attribute_warn_unused_result
: Look for GCC-style attribute format
case "$d_attribute_format"
in
")
echo " "
echo "Checking whether your compiler can handle __attribute__((format)) ..." >&4
$cat >attrib.c <<'EOCP'
#include <stdio.h>
void my_special_printf(char* pat,...) __attribute__((__format__(__printf__,1,2)));

```

```

EOCP
if $cc $ccflags -c attrib.c >attrib.out 2>&1 ; then
if $contains 'warning' attrib.out >/dev/null 2>&1; then
    echo "Your C compiler doesn't support __attribute__((format))."
    val="$undef"
else
    echo "Your C compiler supports __attribute__((format))."
    val="$define"
fi
else
    echo "Your C compiler doesn't seem to understand __attribute__ at all."
    val="$undef"
fi
;;
*) val="$d_attribute_format" ;;
esac
set d_attribute_format
eval $setvar
$rm -f attrib*

: Look for GCC-style attribute format with null format allowed
case "$d_printf_format_null" in
") case "$d_attribute_format" in
    $define)
    echo " "
    echo "Checking whether your compiler allows __printf__ format to be null ..." >&4
$cat >attrib.c <<EOCP
#include <stdio.h>
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#ifdef I_INTTYPES
#include <inttypes.h>
#endif
#ifdef INTPTR_MAX
#define intptr_t int
#endif
int null_printf (char* pat,...) __attribute__((__format__(__printf__,1,2)));
int null_printf (char* pat,...) { return (int)(intptr_t)pat; }
int main () { exit(null_printf(NULL)); }
EOCP
if $cc $ccflags -o attrib attrib.c >attrib.out 2>&1 ; then
    : run the executable in case it produces a run-time warning
    if $run ./attrib >>attrib.out 2>&1; then
    if $contains 'warning' attrib.out >/dev/null 2>&1; then

```

```

    echo "Your C compiler doesn't allow __printf__ format to be null."
    val="$undef"
else
    echo "Your C compiler allows __printf__ format to be null."
    val="$define"
fi
else
    echo "Your C compiler executable failed with __printf__ format null."
    val="$undef"
fi
else
    echo "Your C compiler fails with __printf__ format null."
    val="$undef"
fi
;;
*) val="$undef" ;;
esac
;;
*)
    val="$d_printf_format_null" ;;
esac
set d_printf_format_null
eval $setvar
$rm -f attrib*

: Look for GCC-style attribute malloc
case "$d_attribute_malloc" in
")
    echo " "
    echo "Checking whether your compiler can handle __attribute__((malloc)) ..." >&4
    $cat >attrib.c <<'EOCP'
    #include <stdio.h>
    char *go_get_some_memory( int how_many_bytes ) __attribute__((malloc));
    EOCP
    if $cc $ccflags -c attrib.c >attrib.out 2>&1 ; then
    if $contains 'warning' attrib.out >/dev/null 2>&1; then
        echo "Your C compiler doesn't support __attribute__((malloc))."
        val="$undef"
    else
        echo "Your C compiler supports __attribute__((malloc))."
        val="$define"
    fi
else
    echo "Your C compiler doesn't seem to understand __attribute__ at all."
    val="$undef"
fi
;;
*) val="$d_attribute_malloc" ;;

```

```

esac
set d_attribute_malloc
eval $setvar
$rm -f attrib*

: Look for GCC-style attribute nonnull
case "$d_attribute_nonnull" in
")
echo " "
echo "Checking whether your compiler can handle __attribute__((nonnull(1))) ..."
>&4
$cat >attrib.c <<'EOCP'
#include <stdio.h>
void do_something (char *some_pointer,...) __attribute__((nonnull(1)));
EOCP
if $cc $ccflags -c attrib.c >attrib.out 2>&1 ; then
if $contains 'warning' attrib.out >/dev/null 2>&1; then
echo "Your C compiler doesn't support __attribute__((nonnull))."
val="$undef"
else
echo "Your C compiler supports __attribute__((nonnull))."
val="$define"
fi
else
echo "Your C compiler doesn't seem to understand __attribute__ at all."
val="$undef"
fi
;;
*) val="$d_attribute_nonnull" ;;
esac
set d_attribute_nonnull
eval $setvar
$rm -f attrib*

```

```

: Look for GCC-style attribute noreturn
case "$d_attribute_noreturn" in
")
echo " "
echo "Checking whether your compiler can handle __attribute__((noreturn)) ..." >&4
$cat >attrib.c <<'EOCP'
#include <stdio.h>
void fall_over_dead( void ) __attribute__((noreturn));
EOCP
if $cc $ccflags -c attrib.c >attrib.out 2>&1 ; then
if $contains 'warning' attrib.out >/dev/null 2>&1; then
echo "Your C compiler doesn't
support __attribute__((noreturn))."
val="$undef"

```

```

else
  echo "Your C compiler supports __attribute__((noreturn))."
  val="$define"
fi
else
  echo "Your C compiler doesn't seem to understand __attribute__ at all."
  val="$undef"
fi
;;
*) val="$d_attribute_noreturn" ;;
esac
set d_attribute_noreturn
eval $setvar
$rm -f attrib*

: Look for GCC-style attribute pure
case "$d_attribute_pure" in
  *)
    echo " "
    echo "Checking whether your compiler can handle __attribute__((pure)) ..." >&4
    $cat >attrib.c <<'EOCP'
    #include <stdio.h>
    int square( int n ) __attribute__((pure));
    EOCP
    if $cc $ccflags -c attrib.c >attrib.out 2>&1 ; then
      if $contains 'warning' attrib.out >/dev/null 2>&1 ; then
        echo "Your C compiler doesn't support __attribute__((pure))."
        val="$undef"
      else
        echo "Your C compiler supports __attribute__((pure))."
        val="$define"
      fi
    else
      echo "Your C compiler doesn't seem to understand __attribute__ at all."
      val="$undef"
    fi
  ;;
*) val="$d_attribute_pure" ;;
esac
set d_attribute_pure
eval
$setvar
$rm -f attrib*

: Look for GCC-style attribute unused
case "$d_attribute_unused" in
  *)
    echo " "

```

```

echo "Checking whether your compiler can handle __attribute__((unused)) ..." >&4
$cat >attrib.c <<'EOCP'
#include <stdio.h>
int do_something( int dummy __attribute__((unused)), int n );
EOCP
if $cc $ccflags -c attrib.c >attrib.out 2>&1 ; then
if $contains 'warning' attrib.out >/dev/null 2>&1; then
echo "Your C compiler doesn't support __attribute__((unused))."
val="$undef"
else
echo "Your C compiler supports __attribute__((unused))."
val="$define"
fi
else
echo "Your C compiler doesn't seem to understand __attribute__ at all."
val="$undef"
fi
;;
*) val="$d_attribute_unused" ;;
esac
set d_attribute_unused
eval $setvar
$rm -f attrib*

: Look for GCC-style attribute deprecated
case "$d_attribute_deprecated" in
")
echo " "
echo "Checking whether your compiler can handle __attribute__((deprecated)) ..." >&4
$cat >attrib.c <<'EOCP'
#include <stdio.h>
int I_am_deprecated(void)
__attribute__((deprecated));
EOCP
if $cc $ccflags -c attrib.c >attrib.out 2>&1 ; then
if $contains 'warning' attrib.out >/dev/null 2>&1; then
echo "Your C compiler doesn't support __attribute__((deprecated))."
val="$undef"
else
echo "Your C compiler supports __attribute__((deprecated))."
val="$define"
fi
else
echo "Your C compiler doesn't seem to understand __attribute__ at all."
val="$undef"
fi
;;
*) val="$d_attribute_deprecated" ;;

```

```

esac
set d_attribute_deprecated
eval $setvar
$rm -f attrib*

: Look for GCC-style attribute warn_unused_result
case "$d_attribute_warn_unused_result" in
")
echo " "
echo "Checking whether your compiler can handle __attribute__((warn_unused_result)) ..." >&4
$cat >attrib.c <<'EOCP'
#include <stdio.h>
int I_will_not_be_ignored(void) __attribute__((warn_unused_result));
EOCP
if $cc $ccflags -c attrib.c >attrib.out 2>&1 ; then
if $contains 'warning' attrib.out >/dev/null 2>&1; then
echo "Your C compiler doesn't support __attribute__((warn_unused_result))."
val="$undef"
else
echo
"Your C compiler supports __attribute__((warn_unused_result))."
val="$define"
fi
else
echo "Your C compiler doesn't seem to understand __attribute__ at all."
val="$undef"
fi
;;
*) val="$d_attribute_warn_unused_result" ;;
esac
set d_attribute_warn_unused_result
eval $setvar
$rm -f attrib*

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_attribut.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_castneg.U,v 3.0.1.2 1995/05/12 12:11:21 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
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?RCS: of the source tree for dist 3.0.
```

?RCS:  
?RCS: \$Log: d\_castneg.U,v \$  
?RCS: Revision 3.0.1.2 1995/05/12 12:11:21 ram  
?RCS: patch54: made sure cc and ccflags are conditional dependencies  
?RCS: patch54: added improved test case for Interactive Unix  
?RCS:  
?RCS: Revision 3.0.1.1 1994/10/29 16:10:50 ram  
?RCS: patch36: don't forget to tell user about compilation failures (ADO)  
?RCS: patch36: declare signal handler correctly using 'signal\_t' (ADO)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:47 ram  
?RCS: Baseline  
for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: Can the compiler cast negative / odd floats to unsigned values.  
?X:  
?MAKE:d\_castneg castflags: cat Compile rm\_try Setvar signal\_t run i\_stdlib  
?MAKE: -pick add \$@ %<  
?S:d\_castneg:  
?S: This variable conditionally defines CASTNEG, which indicates  
?S: whether the C compiler can cast negative float to unsigned.  
?S:.  
?S:castflags:  
?S: This variable contains a flag that precise difficulties the  
?S: compiler has casting odd floating values to unsigned long:  
?S: 0 = ok  
?S: 1 = couldn't cast < 0  
?S: 2 = couldn't cast >= 0x80000000  
?S: 4 = couldn't cast in argument expression list  
?S:.  
?C:CASTNEGFLOAT:  
?C: This symbol is defined if the C compiler can cast negative  
?C: numbers to unsigned longs, ints and shorts.  
?C:.  
?C:CASTFLAGS:  
?C: This symbol contains flags that say what difficulties the compiler  
?C: has casting odd floating values to unsigned long:  
?C: 0 = ok  
?C: 1 = couldn't cast < 0  
?C: 2 = couldn't cast >= 0x80000000  
?C: 4 = couldn't  
cast in argument expression list  
?C:.  
?H:#\$d\_castneg CASTNEGFLOAT /\*\*/  
?H:#define CASTFLAGS \$castflags /\*\*/  
?H:.  
?F:!try



```

?LINT:set d_castneg
: check for ability to cast negative floats to unsigned
echo " "
echo 'Checking whether your C compiler can cast negative float to unsigned.' >&4
$cat >try.c <<EOCP
#include <stdio.h>
#$i_stdlib I_STDLIB
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#include <sys/types.h>
#include <signal.h>
$signal_t blech(int s) { exit(7); }
$signal_t blech_in_list(int s) { exit(4); }
unsigned long dummy_long(unsigned long p) { return p; }
unsigned int dummy_int(unsigned int p) { return p; }
unsigned short dummy_short(unsigned short p) { return p; }
int main()
{
double f;
unsigned long along;
unsigned int aint;
unsigned short ashort;
int result = 0;
char str[16];

/* Frustrate gcc-2.7.2's optimizer which failed this test with
   a direct f = -123. assignment. gcc-2.8.0 reportedly
   optimized the whole file away
*/
/* Store the number in a writable
string for gcc to pass to
scanf under HP-UX.
*/
sprintf(str, "-123");
scanf(str, "%lf", &f); /* f = -123.; */

signal(SIGFPE, blech);
along = (unsigned long)f;
aint = (unsigned int)f;
ashort = (unsigned short)f;
if (along != (unsigned long)-123)
result |= 1;
if (aint != (unsigned int)-123)
result |= 1;
if (ashort != (unsigned short)-123)
result |= 1;
sprintf(str, "1073741824.");

```

```

sscanf(str, "%lf", &f); /* f = (double)0x40000000; */
f = f + f;
along = 0;
along = (unsigned long)f;
if (along != 0x80000000)
    result |= 2;
f -= 1.;
along = 0;
along = (unsigned long)f;
if (along != 0x7fffffff)
    result |= 1;
f += 2.;
along = 0;
along = (unsigned long)f;
if (along != 0x80000001)
    result |= 2;
if (result)
    exit(result);
?X:
?X: The following is a test for Interactive Unix Version 4.1, which
?X: has an 'improved' compiler which can correctly cast negative
?X: floats in expression lists, but apparently not in argument lists.
?X: Contributed by Winfried Koenig
<win@incom.rhein-main.de>
?X:
signal(SIGFPE, blech_in_list);
sprintf(str, "123.");
sscanf(str, "%lf", &f); /* f = 123.; */
along = dummy_long((unsigned long)f);
aint = dummy_int((unsigned int)f);
ashort = dummy_short((unsigned short)f);
if (along != (unsigned long)123)
    result |= 4;
if (aint != (unsigned int)123)
    result |= 4;
if (ashort != (unsigned short)123)
    result |= 4;
exit(result);

}
EOCP
set try
if eval $compile_ok; then
    $run ./try 2>/dev/null
    castflags=$?
else
    echo "(I can't seem to compile the test program--assuming it can't)"
    castflags=7

```

```

fi
case "$castflags" in
0) val="$define"
echo "Yup, it can."
;;
*) val="$undef"
echo "Nope, it can't."
;;
esac
set d_castneg
eval $setvar
$rm_try

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_castneg.U
```

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?RCS:

?MAKE:d\_strtod\_l: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_strtod\_l:

?S: This variable conditionally defines the HAS\_STRTOD\_L symbol, which

?S: indicates to the C program that the strtod\_l() routine is available.

?S:.

?C:HAS\_STRTOD\_L:

?C: This symbol, if defined, indicates that the strtod\_l routine is

?C: available to convert strings to long doubles.

?C:.

?H:#\$d\_strtod\_l HAS\_STRTOD\_L /\*\*/

?H:.

?LINT:set d\_strtod\_l

: see if strtod\_l exists

set strtod\_l d\_strtod\_l

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_strtod_l.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_setpgrp.U,v 3.0.1.3 1997/02/28 15:44:16 ram Exp \$

?RCS:  
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?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: d\_setpgrp.U,v \$  
?RCS: Revision 3.0.1.3 1997/02/28 15:44:16 ram  
?RCS: patch61: obsoleted USE\_BSDGRP in favor of USE\_BSD\_SETPGRP  
?RCS: patch61: another unit now also defines a USE\_BSD\_GETPGRP  
?RCS: patch61: fallback for test program failure improved  
?RCS:  
?RCS: Revision 3.0.1.2 1995/07/25 13:59:30 ram  
?RCS: patch56: re-arranged compile line to include ldflags before objects  
?RCS:  
?RCS: Revision 3.0.1.1 1994/10/29 16:15:37 ram  
?RCS: patch36: added  
'ldflags' to the test compile line (ADO)  
?RCS: patch36: call ./usg explicitly instead of relying on PATH  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:07:09 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_setpgrp d\_bsdsetpgrp: cat rm\_try +cc +libs +ccflags \  
+ldflags Inlibc Guess Setvar i\_unistd i\_stdlib run  
?MAKE: -pick add \$@ %<  
?S:d\_setpgrp:  
?S: This variable conditionally defines HAS\_SETPGRP if setpgrp() is  
?S: available to set the current process group.  
?S:.  
?S:d\_bsdsetpgrp (d\_bsdpggrp):  
?S: This variable conditionally defines USE\_BSD\_SETPGRP if  
?S: setpgrp needs two arguments whereas USG one needs none.  
?S: See also d\_setpgid for a POSIX interface.  
?S:.  
?C:HAS\_SETPGRP (SETPGRP):  
?C: This symbol, if defined, indicates that the setpgrp routine is  
?C: available to set the current process group.  
?C:.  
?C:USE\_BSD\_SETPGRP (USE\_BSDPGRP BSDPGRP):  
?C: This symbol, if defined, indicates that setpgrp needs two  
?C: arguments whereas USG one needs none. See also HAS\_SETPGID  
?C: for  
a POSIX interface.  
?C:.

```

?H:#$d_setpgrp HAS_SETPGRP /**/
?H:#$d_bsdsetpgrp USE_BSD_SETPGRP /**/
?H:.
?T:xxx
?F:!try
?LINT:set d_setpgrp d_bsdsetpgrp
: see if setpgrp exists
set setpgrp d_setpgrp
eval $inlibc

@if USE_BSD_SETPGRP || d_bsdsetpgrp
case "$d_setpgrp" in
"$define")
echo " "
echo "Checking to see which flavor of setpgrp is in use..."
$cat >try.c <<EOP
#$i_unistd I_UNISTD
#include <sys/types.h>
#ifdef I_UNISTD
# include <unistd.h>
#endif
#$i_stdlib I_STDLIB
#ifdef I_STDLIB
#include <stdlib.h>
#endif
int main()
{
if (getuid() == 0) {
printf("(I see you are running Configure as super-user...)\n");
setuid(1);
}
#ifdef TRY_BSD_PGRP
if (-1 == setpgrp(1, 1))
exit(0);
#else
if (setpgrp() != -1)
exit(0);
#endif
exit(1);
}
EOP
if $cc -o try -DTRY_BSD_PGRP $ccflags $ldflags try.c $libs >/dev/null 2>&1 && $run ./try; then
echo 'You have to use setpgrp(pid,pgrp) instead of setpgrp().' >&4
val="$define"
elif $cc -o try $ccflags $ldflags try.c $libs >/dev/null 2>&1 &&
$run ./try; then
echo 'You have to use setpgrp() instead of setpgrp(pid,pgrp).' >&4
val="$undef"

```

```

else
echo "(I can't seem to compile and run the test program.)"
if ./usg; then
xxx="a USG one, i.e. you use setpgrp()."
else
# SVR4 systems can appear rather BSD-ish.
case "$i_unistd" in
$undef)
xxx="a BSD one, i.e. you use setpgrp(pid,pgrp)."
val="$define"
;;
$define)
xxx="probably a USG one, i.e. you use setpgrp()."
val="$undef"
;;
esac
fi
echo "Assuming your setpgrp is $xxx" >&4
fi
;;
*) val="$undef";;
esac
set d_bsdsetpgrp
eval $setvar
$rm_try
@end

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_setpgrp.U
```

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_setitimer: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_setitimer:

?S: This variable conditionally defines the HAS\_SETITIMER symbol, which

?S: indicates to the C program that the setitimer() routine is available.

?S:.

?C:HAS\_SETITIMER:

?C: This symbol, if defined, indicates that the setitimer routine is

?C: available to set interval timers.

```
?C:
?H:#$d_setitimer HAS_SETITIMER /**/
?H:
?LINT:set d_setitimer
: see if setitimer exists
set setitimer d_setitimer
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_setitimer.U
```

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```
?RCS: $Id: i_systypes.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_systypes.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:41 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: Look wether <sys/types.h> needs to be included.
?X:
?MAKE:i_systypes: Inhdr
?MAKE: -pick add $@ %<
?S:i_systypes:
?S: This variable conditionally defines the I_SYS_TYPES symbol,
?S: and indicates whether a C program should include <sys/types.h>.
?S:
?C:I_SYS_TYPES (I_SYSTYPES):
?C: This symbol, if defined, indicates to the C program
that it should
?C: include <sys/types.h>.
?C:
?H:#$i_systypes I_SYS_TYPES /**/
?H:
?LINT:set i_systypes
: see if sys/types.h has to be included
set sys/types.h i_systypes
eval $inhdr
```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_systypes.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: nis.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 16:17:38 ram

?RCS: patch61: ensure suitable defaults for hostcat and friends

?RCS:

?RCS: Revision 3.0.1.2 1995/03/21 08:48:34 ram

?RCS: patch52: continued fix for NeXT NIS/NetInfo handling

?RCS:

?RCS: Revision 3.0.1.1 1995/02/15 14:16:23 ram

?RCS: patch51: now correctly handles NeXT using NIS rather than NetInfo

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:24 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:passcat groupcat hostcat:

Myread Oldconfig test contains

?MAKE: -pick add \$@ %<

?S:passcat:

?S: This variable contains a command that produces the text of the

?S: /etc/passwd file. This is normally "cat /etc/passwd", but can be

?S: "ypcat passwd" when NIS is used.

?S:.

?S:groupcat:

?S: This variable contains a command that produces the text of the

?S: /etc/group file. This is normally "cat /etc/group", but can be

?S: "ypcat group" when NIS is used.

?S:.

?S:hostcat:

?S: This variable contains a command that produces the text of the

?S: /etc/hosts file. This is normally "cat /etc/hosts", but can be

?S: "ypcat hosts" when NIS is used.

?S:.

: see if we have to deal with yellow pages, now NIS.

?X: NeXT gives us some fun here, as always, by having both NIS (former YP)



?X: and NetInfo. But since it has both, it's ok to put the test inside the if.

?X: Contributed by Thomas Neumann <tom@smart.bo.open.de>.

```
if $stest -d /usr/etc/yp || $stest -d /etc/yp || $stest -d /usr/lib/yp; then
```

```
if $stest -f /usr/etc/nibindd; then
```

```
echo
```

```
" "
```

```
echo "I'm fairly confident you're on a NeXT."
```

```
@if passcat || groupcat
```

```
echo " "
```

```
rp='Do you get the passwd file via NetInfo?'
```

```
dflt=y
```

```
case "$passcat" in
```

```
nidump*) ;;
```

```
"); ;;
```

```
*) dflt=n;;
```

```
esac
```

```
./myread
```

```
case "$ans" in
```

```
y*) passcat='nidump passwd .'
```

```
@if groupcat
```

```
echo "(Assuming /etc/group is also distributed.)"
```

```
groupcat='nidump group .'
```

```
@end
```

```
::
```

```
*) echo "You told me, so don't blame me."
```

```
case "$passcat" in
```

```
nidump*) passcat="
```

```
@if groupcat
```

```
groupcat="";;
```

```
@end
```

```
esac
```

```
@if groupcat
```

```
echo "(Assuming /etc/group is handled the same way.)"
```

```
@end
```

```
::
```

```
esac
```

```
@end
```

```
@if hostcat
```

```
echo " "
```

```
rp='Do you get the hosts file via NetInfo?'
```

```
dflt=y
```

```
case "$hostcat" in
```

```
nidump*) ;;
```

```
"); ;;
```

```
*) dflt=n;;
```

```
esac
```

```
./myread
```

```
case "$ans" in
```

```

y*) hostcat='nidump hosts .';;
*) case "$hostcat" in
  nidump*) hostcat="";;
  esac
;;
esac
@end
fi
@if passcat || groupcat
case "$passcat" in
nidump*) ;;
*)
case "$passcat" in
*yecat*) dflt=y;;
")
if $contains '^+' /etc/passwd >/dev/null 2>&1; then
  dflt=y
else
  dflt=n
fi;;
*) dflt=n;;
esac
echo " "
rp='Are you getting the passwd file via yellow pages?'
./myread
case "$ans" in
y*) passcat='yecat passwd'
@if groupcat
  echo "(Assuming /etc/group is also distributed.)"
  groupcat='yecat group'
@end
;;
*) passcat='cat /etc/passwd'
@if groupcat
  echo "(Assuming /etc/group is also local.)"
  groupcat='cat /etc/group'
@end
;;
esac
;;
esac
@end
@if hostcat
case "$hostcat" in
nidump*) ;;
*)
case "$hostcat" in
*yecat*) dflt=y;;

```

```

") if $contains '^+' /etc/passwd >/dev/null 2>&1; then
  dflt=y
else
  dflt=n
fi;;
*) dflt=n;;
esac
echo " "
rp='Are you getting the hosts file via yellow pages?'
./myread
case "$ans" in
y*) hostcat='ypcat hosts';;
*) hostcat='cat /etc/hosts';;
esac
;;
esac
@end
fi

```

?X: Ensure suitable default -- Manoj Srivastava

```

case "$hostcat" in
") hostcat=':
$test -f /etc/hosts && hostcat='cat
/etc/hosts';;
esac
case "$groupcat" in
") groupcat=':
$test -f /etc/group && groupcat='cat /etc/group';;
esac
case "$passcat" in
") passcat=':
$test -f /etc/passwd && passcat='cat /etc/passwd';;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/nis.U

```

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?RCS: \$Id: d\_drاند48\_r.U,v 0RCS:

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?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

```

?MAKE:d_drاند48_r drاند48_r_proto: Inlibc Protochk Hasproto i_systypes \
  usethreads i_stdlib extern_C

```

```

?MAKE: -pick add $@ %<
?S:d_drand48_r:
?S: This variable conditionally defines the HAS_DRAND48_R symbol,
?S: which indicates to the C program that the drand48_r()
?S: routine is available.
?S:.
?S:drand48_r_proto:
?S: This variable encodes the prototype of drand48_r.
?S: It is zero if d_drand48_r is undef, and one of the
?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_drand48_r
?S: is defined.
?S:.
?C:HAS_DRAND48_R:
?C: This symbol, if defined, indicates that the drand48_r routine
?C: is available to drand48 re-entrantly.
?C:.
?C:DRAND48_R_PROTO:
?C: This
symbol encodes the prototype of drand48_r.
?C: It is zero if d_drand48_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_drand48_r
?C: is defined.
?C:.
?H:#$d_drand48_r HAS_DRAND48_R /**/
?H:#define DRAND48_R_PROTO $drand48_r_proto /**/
?H:.
?T:try hdrs d_drand48_r_proto
: see if drand48_r exists
set drand48_r d_drand48_r
eval $inlibc
case "$d_drand48_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_stdlib stdlib.h"
case "$d_drand48_r_proto:$usethreads" in
":define") d_drand48_r_proto=define
set d_drand48_r_proto drand48_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_drand48_r_proto" in
define)
case "$drand48_r_proto" in
"|0) try='int drand48_r(struct drand48_data*, double*);'
./protochk "$extern_C $try" $hdrs && drand48_r_proto=I_ST ;;
esac
case "$drand48_r_proto" in
"|0) d_drand48_r=undef
drand48_r_proto=0

```

```

echo "Disabling drand48_r, cannot determine prototype." >&4 ;;
*) case
"$drand48_r_proto" in
REENTRANT_PROTO*) ;;
*) drand48_r_proto="REENTRANT_PROTO_$drand48_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$susetthreads" in
define) echo "drand48_r has no prototype, not using it." >&4 ;;
esac
d_drand48_r=undef
drand48_r_proto=0
;;
esac
;;
*) drand48_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_drand48_r.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: voidflags.U,v 3.0.1.2 1997/02/28 16:27:58 ram Exp $
?RCS:
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?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: voidflags.U,v $
?RCS: Revision 3.0.1.2 1997/02/28 16:27:58 ram
?RCS: patch61: don't prompt them if the void support is high enough for us
?RCS:
?RCS: Revision 3.0.1.1 1995/01/11 15:37:44 ram
?RCS: patch45: cosmetic change to avoid spurious blank lines when using -s
?RCS:
?RCS: Revision 3.0 1993/08/18 12:10:01 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE: voidflags defvoidused: cat rm_try contains +cc +ccflags package \
Oldconfig

```

```

Myread i_stdlib
?MAKE: -pick add $@ %<
?S:voidflags:
?S: This variable contains the eventual value of the VOIDFLAGS symbol,
?S: which indicates how much support of the void type is given by this
?S: compiler. See VOIDFLAGS for more info.
?S:.
?S:defvoidused:
?S: This variable contains the default value of the VOIDUSED symbol (15).
?S:.
?X: Exceptionally, we have to explicitly alias the symbol name for
?X: config_h.SH, otherwise the comment would not appear.
?C:VOIDFLAGS ~ %<:
?C: This symbol indicates how much support of the void type is given by this
?C: compiler. What various bits mean:
?C:
?C: 1 = supports declaration of void
?C: 2 = supports arrays of pointers to functions returning void
?C: 4 = supports comparisons between pointers to void functions and
?C: addresses of void functions
?C: 8 = supports declaration of generic void pointers
?C:
?C: The package designer should define VOIDUSED to indicate the requirements
?C: of the package. This can be done either
?C: by #defining VOIDUSED before
?C: including config.h, or by defining defvoidused in Myinit.U. If the
?C: latter approach is taken, only those flags will be tested. If the
?C: level of void support necessary is not present, defines void to int.
?C:.
?H:%<:#ifndef VOIDUSED
?H:%<:#define VOIDUSED $defvoidused
?H:%<:#endif
?H:%<:#define VOIDFLAGS $voidflags
?H:%<:#if (VOIDFLAGS & VOIDUSED) != VOIDUSED
?H:%<:#define void int /* is void to be avoided? */
?H:%<:#define M_VOID /* Xenix strikes again */
?H:%<:#endif
?H:.
?INIT:: full support for void wanted by default
?INIT:defvoidused=15
?INIT:
?LINT:known void M_VOID VOIDUSED
: check for void type
echo " "
echo "Checking to see how well your C compiler groks the void type..." >&4
case "$voidflags" in
")
$cat >try.c <<EOCP

```

```

#$i_stdlib I_STDLIB
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#if TRY & 1
void sub() {
#else
sub() {
#endif
extern void moo(); /* function returning void */
void (*goo()); /* ptr to func returning void
*/
#if TRY & 8
void *hue; /* generic ptr */
#endif
#if TRY & 2
void (*foo[10])();
#endif

#if TRY & 4
if(goo == moo) {
    exit(0);
}
#endif
exit(0);
}
int main() { sub(); }
EOCP
?X: This unit used to use cc -S in those tests to try to speed up things, but
?X: unfortunately, AIX 3.2 does not support this option.
if $cc $ccflags -c -DTRY=$defvoidused try.c >.out 2>&1 ; then
    voidflags=$defvoidused
echo "Good. It appears to support void to the level $package wants.">&4
if $contains warning .out >/dev/null 2>&1; then
    echo "However, you might get some warnings that look like this:"
    $cat .out
fi
else
echo "Hmm, your compiler has some difficulty with void. Checking further...">&4
if $cc $ccflags -c -DTRY=1 try.c >/dev/null 2>&1; then
    echo "It supports 1..."
if $cc $ccflags -c -DTRY=3 try.c >/dev/null 2>&1; then
    echo "It also supports 2..."
if $cc $ccflags -c -DTRY=7 try.c >/dev/null 2>&1; then
    voidflags=7
    echo "And it supports 4 but not 8 definitely."
else
    echo

```

```

"It doesn't support 4..."
if $cc $ccflags -c -DTRY=11 try.c >/dev/null 2>&1; then
    voidflags=11
    echo "But it supports 8."
else
    voidflags=3
    echo "Neither does it support 8."
fi
fi
else
echo "It does not support 2..."
if $cc $ccflags -c -DTRY=13 try.c >/dev/null 2>&1; then
    voidflags=13
    echo "But it supports 4 and 8."
else
if $cc $ccflags -c -DTRY=5 try.c >/dev/null 2>&1; then
    voidflags=5
    echo "And it supports 4 but has not heard about 8."
else
    echo "However it supports 8 but not 4."
fi
fi
fi
else
echo "There is no support at all for void."
voidflags=0
fi
fi
esac
?X: Only prompt user if support does not match the level we want
case "$voidflags" in
"$defvoidused") ;;
*) $cat >&4 <<'EOM'
Support flag bits are:
    1: basic void declarations.
    2: arrays of pointers to functions returning void.
    4: operations between pointers to and addresses of
void functions.
    8: generic void pointers.
EOM
dflt="$voidflags";
rp="Your void support flags add up to what?"
./myread
voidflags="$ans"
;;
esac
$rm_try

```



Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/voidflags.U

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_gethent.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:09 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_gethent: Inlibc

?MAKE: -pick add @\$@ %<

?S:d\_gethent:

?S: This variable conditionally defines HAS\_GETHOSTENT if gethostent() is

?S: available to dup file descriptors.

?S:.

?C:HAS\_GETHOSTENT (GETHOSTENT):

?C: This symbol, if defined, indicates that the gethostent routine is

?C: available to lookup host names in some data base or other.

?C:.

?H:#\$d\_gethent HAS\_GETHOSTENT /\*\*/

?H:.

?LINT:set

d\_gethent

: see if gethostent exists

set gethostent d\_gethent

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_gethent.U

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```
?RCS:
?MAKE:uidformat: uidsize uidsign ivsize uvsize longsize intsize shortsize \
  ivdformat uvuformat test echo
?MAKE: -pick add $@ %<
?S:uidformat:
?S: This variable contains the format string used for printing a Uid_t.
?S:.
?C:Uid_t_f:
?C: This symbol defines the format string used for printing a Uid_t.
?C:.
?H:#define Uid_t_f $uidformat /**/
?H:.
: Check format string for UID
echo " "
$echo "Checking the format string to be used for uids..." >&4
```

```
case "$uidsign" in
-1) if $test X"$uidsize" = X"$ivsize"; then
  uidformat="$ivdformat"
else
  if $test X"$uidsize" = X"$longsize"; then
  uidformat="ld"
else
  if $test X"$uidsize" = X"$intsize"; then
  uidformat="d"
else
  if $test X"$uidsize"
= X"$shortsize"; then
  uidformat="hd"
  fi
  fi
  fi
  fi
  ;;
*) if $test X"$uidsize" = X"$uvsize"; then
  uidformat="$uvuformat"
else
  if $test X"$uidsize" = X"$longsize"; then
  uidformat="lu"
else
  if $test X"$uidsize" = X"$intsize"; then
  uidformat="u"
else
  if $test X"$uidsize" = X"$shortsize"; then
  uidformat="hu"
  fi
  fi
  fi
```

```
fi
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/uidf.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: sizetype.U,v 3.0.1.1 1994/08/29 16:32:10 ram Exp $
?RCS:
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?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: sizetype.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:32:10 ram
?RCS: patch32: created by ADO
?RCS:
?MAKE:sizetype: Myread Typedef
?MAKE: -pick add $@ %<
?S:sizetype:
?S: This variable defines sizetype to be something like size_t,
?S: unsigned long, or whatever type is used to declare length
?S: parameters for string functions.
?S:.
?C:Size_t:
?C: This symbol holds the type used
?C: to declare length parameters
?C: for string functions. It is usually size_t, but may be
?C: unsigned long, int, etc. It may be necessary to include
?C: <sys/types.h> to get any typedef'ed information.
?C:.
?H:#define Size_t $sizetype /* length parameter for string functions */
?H:.
?LINT: set sizetype
: see what type is used for size_t
rp="What is the type used for the length parameter for string functions?"
set size_t sizetype 'unsigned int' stdio.h sys/types.h
eval $typedef_ask
```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/sizetype.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: lex.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>

?RCS:

?RCS: \$Log: lex.U,v \$

?RCS: Revision 3.0.1.3 1994/10/29 16:22:50 ram

?RCS: patch36: spurious single quote could cause Configure to crash

?RCS: patch36: (reported by Xavier Le Vouch <xavierl@eiffel.com>.)

?RCS:

?RCS: Revision 3.0.1.2 1994/08/29 16:27:09 ram

?RCS: patch32: added lexflags variable for lex flags setting

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 15:06:01 ram

?RCS: patch23: added

trailing blank line for metalint

?RCS:

?RCS: Revision 3.0 1993/08/18 12:08:55 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:lex lexflags: Guess Myread Oldconfig flex test

?MAKE: -pick add \$@ %<

?S:lex:

?S: This variable holds the name of the lexical analyser generator we

?S: want to use in the Makefile. It can be lex or flex.

?S:.

?S:lexflags:

?S: This variable holds any flags that should be passed to the lexical

?S: analyzer. It is up to the Makefile to use it.

?S:.

: determine lexical analyser generator

case "\$lex" in

)

dflt=lex;;

\*)

dflt="\$lex";;

esac

```

echo " "
if $test -f "$flex"; then
  rp='Which lexical analyser generator (lex or flex) shall I use?'
else
  rp='Which lexical analyser generator shall I use?'
fi
./myread
lex="$ans"

@if lexflags
: if using lex this will normally be useless, but flex frequently takes args
echo " "
case "$lexflags" in
  *) dflt='none';;
  *) dflt="$lexflags";;
esac
rp="What flags should be given to $lex?"
./myread
case "$ans"
in
  none) lexflags="";;
  *) lexflags="$ans";;
esac

@end

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/lex.U
```

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?RCS:

?RCS: \$Log: cf\_email.U,v \$

?RCS: Revision 3.0.1.1 1994/01/24 14:05:06 ram

?RCS: patch16: created

?RCS:

?RCS:

?MAKE:cf\_email: cat cf\_by test myhostname mydomain Oldconfig Myread

?MAKE: -pick add \$@ %<

?S:cf\_email:  
?S: Electronic mail address of the person who ran Configure. This can be  
?S: used by units that require the user's e-mail, like MailList.U.  
?S:.  
?T:cont maildomain  
?LINT:extern MAILDOMAIN  
: determine the e-mail address of the user who is running us  
\$cat <<EOM

I need to get your e-mail address  
in Internet format if possible, i.e.  
something like user@host.domain. Please answer accurately since I have  
no easy means to double check it. The default value provided below  
is most probably close to reality but may not be valid from outside  
your organization...

```
EOM
cont=x
while test "$cont"; do
case "$MAILDOMAIN" in
")
if $test -s /etc/mailname; then
maildomain=`$cat /etc/mailname`
else
maildomain="$myhostname$mydomain"
fi
;;
*) maildomain="$MAILDOMAIN";;
esac
case "$cf_email" in
") dflt="$cf_by@$maildomain";;
*) dflt="$cf_email";;
esac
rp='What is your e-mail address?'
./myread
cf_email="$ans"
case "$cf_email" in
* @ * . * ) cont=" " ;;
*)
rp='Address does not look like an Internet one. Use it anyway?'
case "$fastread" in
yes) dflt=y ;;
*) dflt=n ;;
esac
./myread
case "$ans" in
y*) cont=" " ;;
*) echo " " ;;
```

```
esac
;;
esac
done
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/cf_email.U
```

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?RCS:

?MAKE:perladmin: cf\_email Oldconfig Myread cat

?MAKE: -pick add \$@ %<

?Y:TOP

?S:perladmin:

?S: Electronic mail address of the perl5 administrator.

?S:.

: Ask e-mail of administrator

\$cat <<EOM

If you or somebody else will be maintaining perl at your site, please fill in the correct e-mail address here so that they may be contacted if necessary. Currently, the "perlbug" program included with perl will send mail to this address in addition to perlbug@perl.org. You may enter "none" for no administrator.

EOM

```
case "$perladmin" in
```

```
) dflt="$cf_email";;
```

```
*) dflt="$perladmin";;
```

```
esac
```

```
rp='Perl administrator e-mail address'
```

```
./myread
```

```
perladmin="$ans"
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/perladmin.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: selecttype.U,v 3.0.1.3 1997/02/28 16:20:09 ram Exp \$

?RCS:

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?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: selecttype.U,v \$  
?RCS: Revision 3.0.1.3 1997/02/28 16:20:09 ram  
?RCS: patch61: always include <sys/select.h> when available for test  
?RCS:  
?RCS: Revision 3.0.1.2 1995/07/25 14:14:06 ram  
?RCS: patch56: removed harmful spaces in assignment  
?RCS:  
?RCS: Revision 3.0.1.1 1994/06/20 07:06:31 ram  
?RCS: patch30: created by ADO  
?RCS:  
?MAKE:selecttype: Protochk Oldconfig Myread cat  
\  
d\_fd\_set d\_select d\_socket i\_systime i\_sysselect extern\_C  
?MAKE: -pick add \$@ %<  
?S:selecttype:  
?S: This variable holds the type used for the 2nd, 3rd, and 4th  
?S: arguments to select. Usually, this is 'fd\_set \*', if HAS\_FD\_SET  
?S: is defined, and 'int \*' otherwise. This is only useful if you  
?S: have select(), naturally.  
?S:.  
?C:Select\_fd\_set\_t:  
?C: This symbol holds the type used for the 2nd, 3rd, and 4th  
?C: arguments to select. Usually, this is 'fd\_set \*', if HAS\_FD\_SET  
?C: is defined, and 'int \*' otherwise. This is only useful if you  
?C: have select(), of course.  
?C:.  
?H:#define Select\_fd\_set\_t \$selecttype /\*\*/  
?H:.  
?T:xxx nfd tmo try hdrs val  
: check for type of arguments to select.  
case "\$selecttype" in  
") case "\$d\_select" in  
\$define)  
echo " "  
\$cat <<EOM  
Checking to see what type of arguments are accepted by select().  
EOM  
hdrs="\$define sys/types.h  
\$i\_systime sys/time.h  
\$i\_sysselect sys/select.h



```

    $d_socket sys/socket.h"
: The first arg can be int, unsigned,
or size_t
: The last arg may or may not be 'const'
val="
: void pointer has been seen but using that
: breaks the selectminbits test
for xxx in 'fd_set *' 'int *'; do
for nfd in 'int' 'size_t' 'unsigned long' 'unsigned' ; do
for tmo in 'struct timeval *' 'const struct timeval *'; do
case "$val" in
") try="$extern_C select _(($nfd, $xxx, $xxx, $xxx, $tmo));"
if ./protochk "$try" $hdrs; then
echo "Your system accepts $xxx."
val="$xxx"
fi
;;
esac
done
done
done

```

?X: In the unlikely event that none of those worked, prompt the user.

```

case "$val" in
") rp='What is the type for the 2nd, 3rd, and 4th arguments to select?'
case "$d_fd_set" in
$define) dflt="fd_set *" ;;
*) dflt="int *" ;;
esac
./myread
val=$ans
;;
esac
selecttype="$val"
;;
*) : no select, so pick a harmless default
selecttype='int *'
;;
esac
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/selecttype.U

```

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- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_sigaction.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_gai\_strerror.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/stdio\_streams.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d\_sanemcmp.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_casti32.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/sbrksmart.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/ssizetype.U
- \*
- /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_neterrno.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/charsize.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/sbrksmart.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_builtin.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d\_keepsig.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/bitpbyte.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/sockopt.U
- \*
- /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_access.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/ptrsize.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/doublesize.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_eofpipe.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_int64\_t.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_access.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/gccvers.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/nullified/fpu.U
- \*

/opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_isascii.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_wcsxfrm.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/abortsig.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d\_sgnchr.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_c99\_variadic.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/charsize.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_socklen\_t.U

\*

/opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/intsize.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_volatile.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/fpu.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/gidsign.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/uidsign.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/ebcdic.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/sunscanf.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_sprintf.U

\*

/opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/randbits.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/sizesize.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/alignbytes.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_strncpy.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/st\_ino\_def.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/doublesize.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d\_sigaction.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/bitpbyte.U

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*
/opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/Checkcc.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/fpossize.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/ssizetype.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/modified/i_neterrno.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/typedefs/gidsize.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/compline/sunscanf.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/compline/d_isascii.U
*
/opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/compline/floatsize.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_vprintf.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_const.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/modified/d_mmap.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/need_va_copy.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/sockopt.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_attribut.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/modified/d_volatile.U
*
/opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/compline/ptrsize.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/modified/i_malloc.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/i_inttypes.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/floatsize.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/abortsig.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_scannl.U
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/d_dir_dd_fd.U
*

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/opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d\_scannl.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/uidsize.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/selectminbits.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d\_open3.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_lc\_monetary\_2008.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_getpagsz.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d\_eofpipe.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_getpgrp.U

\*

/opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_isblank.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_open3.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/byteorder.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_ldbl\_dig.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_strtoul.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/alignbytes.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_wcscmp.U

\*

/opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_dirfd.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/gccvers.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_keepsig.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_getpgrp.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_sgnchr.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_sanemcmp.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d\_casti32.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/startperl.U

\*

/opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_u32align.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_accessx: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_accessx:

?S: This variable conditionally defines the HAS\_ACCESSX symbol, which

?S: indicates to the C program that the accessx() routine is available.

?S:.

?C:HAS\_ACCESSX :

?C: This symbol, if defined, indicates that the accessx routine is

?C: available to do extended access checks.

?C:.

?H:#\$d\_accessx HAS\_ACCESSX /\*\*/

?H:.

?LINT:set d\_accessx

: see if accessx exists

set accessx d\_accessx

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/acl/d\_accessx.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_SHM\_MAC.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_SHM\_MAC.U,v \$

?RCS: Revision 3.0 1993/08/18 12:05:41 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

```

?MAKE:d_SHM_MAC d_SHM_PRM d_SHM_SEG d_SHM_IMMU: cat d_shm test rm +cc +ccflags
?MAKE: -pick add $@ %<
?S:d_SHM_MAC:
?S: Sometimes, the SHMLBA manifest needs sys/sysmacros.h, usually for
?S: the ctob() macro.
?S:.
?S:d_SHM_PRM:
?S: Sometimes, the SHMLBA manifest needs sys/param.h, usually for the
?S: NBPC constant.
?S:.
?S:d_SHM_SEG:
?S: Sometimes,
the SHMLBA manifest needs sys/seg.h, usually for the
?S: SNUMSHFT constant.
?S:.
?S:d_SHM_IMMU:
?S: Sometimes, the SHMLBA manifest needs sys/immu.h, usually for the
?S: stob() macro.
?S:.
?C:SHMLBA_WANTS_SYSMACROS:
?C: This value tells us to include <sys/sysmacros.h> because SHMLBA
?C: needs something from there, probably the ctob() macro.
?C:.
?C:SHMLBA_WANTS_PARAM:
?C: This value tells us to include <sys/param.h> because SHMLBA needs
?C: something from there, probably the NBPC constant.
?C:.
?C:SHMLBA_WANTS_SEG:
?C: This value tells us to include <sys/seg.h> because SHMLBA needs
?C: something from there, probably the SNUMSHFT constant.
?C:.
?C:SHMLBA_WANTS_IMMU:
?C: This value tells us to include <sys/immu.h> because SHMLBA needs
?C: something from there, probably the stob() macro. (tower_600 only?)
?C:.
?H:#$d_SHM_MAC SHMLBA_WANTS_SYSMACROS /* SHMLBA wants ctob()? */
?H:#$d_SHM_PRM SHMLBA_WANTS_PARAM /* SHMLBA wants NBPC? */
?H:#$d_SHM_SEG SHMLBA_WANTS_SEG /* SHMLBA wants
SNUMSHFT? */
?H:#$d_SHM_IMMU SHMLBA_WANTS_IMMU /* SHMLBA wants stob()? */
?H:.
?T:flags D_sys_immu D_sys_seg D_sys_sysmacros D_sys_param
: check for SHMLBA braindamage
d_SHM_MAC="$undef"
d_SHM_PRM="$undef"
d_SHM_SEG="$undef"
d_SHM_IMMU="$undef"
if $test "$d_shm" = "$define" ; then

```

```
echo " "
$cat >&4 <<EOM
Checking to see if SHMLBA needs additional headers.
The headers I'll be checking are:
```

```
sys/macros.h (for the ctob() macro)
sys/param.h (for NBPC)
sys/seg.h (for SNUMSHFT)
sys/immu.h (for the stob() macro)
```

EOM

```
$cat >shm_mac.c <<'EOCP'
```

```
#include <sys/types.h>
#include <sys/ipc.h>
#include <sys/shm.h>
#ifdef I_SYS_IMMU
#include <sys/immu.h>
#endif
#ifdef I_SYS_SYSMACROS
#include <sys/sysmacros.h>
#endif
#ifdef I_SYS_PARAM
#include <sys/param.h>
#endif
#ifdef I_SYS_SEG
#include <sys/seg.h>
#endif
```

```
int main() {
int foo = SHMLBA ;
}
```

EOCP

```
flags='xxx'
for D_sys_immu in "-DI_SYS_IMMU"; do
for D_sys_seg in "-DI_SYS_SEG"; do
for D_sys_sysmacros in "-DI_SYS_SYSMACROS";
do
for D_sys_param in "-DI_SYS_PARAM"; do
case "$flags" in
'xxx')
case "$D_sys_immu$D_sys_param$D_sys_sysmacros$D_sys_seg" in
")
echo "Trying it normally..."
;;
*)
echo "Trying $D_sys_immu $D_sys_param $D_sys_sysmacros $D_sys_seg"
;;
esac
```



```

if $cc $ccflags \
$D_sys_immu $D_sys_param $D_sys_sysmacros $D_sys_seg \
-o shm_mac shm_mac.c >/dev/null 2>&1 ; then
set X $D_sys_immu $D_sys_param $D_sys_sysmacros $D_sys_seg
shift
flags="$*"
echo "Succeeded with $flags"
fi
;;
esac
done
done
done
done
case "$flags" in
xxx)
echo "I don't know how to keep SHMLBA happy. Good luck!"
;;
esac
case "$flags" in
*I_SYS_PARAM*) d_SHM_PRM="$define";;
esac
case "$flags" in
*I_SYS_SYSMACROS*) d_SHM_MAC="$define";;
esac
case "$flags" in
*I_SYS_SEG*) d_SHM_SEG="$define";;
esac
case "$flags" in
*I_SYS_IMMU*) d_SHM_IMMU="$define";;
esac
fi
$rm -f shm_mac*

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_SHM_MAC.U
```

No license file was found, but licenses were detected in source scan.

?RCS: Copyright (c) 2017, Karl Williamson

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_mbrlen: Inlibc

?MAKE: -pick add \$@ %<  
?S:d\_mbrlen:  
?S: This variable conditionally defines the HAS\_MBRLLEN symbol if the  
?S: mbrlen() routine is available to be used to get the length of  
?S: multi-byte character strings.  
?S:.  
?C:HAS\_MBRLLEN:  
?C: This symbol, if defined, indicates that the mbrlen routine is  
?C: available to get the length of multi-byte character strings.  
?C:.  
?H:#\$d\_mbrlen HAS\_MBRLLEN /\*\*/  
?H:.  
?LINT: set d\_mbrlen  
: see if mbrlen exists  
set mbrlen d\_mbrlen  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_mbrlen.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_tmpnam\_r.U,v 0RCS:  
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.  
?RCS:  
?MAKE:d\_tmpnam\_r tmpnam\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads extern\_C  
?MAKE: -pick add \$@ %<  
?S:d\_tmpnam\_r:  
?S: This variable conditionally defines the HAS\_TMPNAM\_R symbol,  
?S: which indicates to the C program that the tmpnam\_r()  
?S: routine is available.  
?S:.  
?S:tmpnam\_r\_proto:  
?S: This variable encodes the prototype of tmpnam\_r.  
?S: It is zero if d\_tmpnam\_r is undef, and one of the  
?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_tmpnam\_r  
?S: is defined.  
?S:.  
?C:HAS\_TMPNAM\_R:  
?C: This symbol, if defined, indicates that the tmpnam\_r routine  
?C: is available to tmpnam re-entrantly.  
?C:.

```

?C:TMPNAM_R_PROTO:
?C: This
symbol encodes the prototype of tmpnam_r.
?C: It is zero if d_tmpnam_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_tmpnam_r
?C: is defined.
?C:.
?H:#$d_tmpnam_r HAS_TMPNAM_R /**/
?H:#define TMPNAM_R_PROTO $tmpnam_r_proto /**/
?H:.
?T:try hdrs d_tmpnam_r_proto
: see if tmpnam_r exists
set tmpnam_r d_tmpnam_r
eval $inlibc
case "$d_tmpnam_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h "
case "$d_tmpnam_r_proto:$usethreads" in
":define") d_tmpnam_r_proto=define
set d_tmpnam_r_proto tmpnam_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_tmpnam_r_proto" in
define)
case "$tmpnam_r_proto" in
"|0) try='char* tmpnam_r(char*);'
./protochk "$extern_C $try" $hdrs && tmpnam_r_proto=B_B ;;
esac
case "$tmpnam_r_proto" in
"|0) d_tmpnam_r=undef
tmpnam_r_proto=0
echo "Disabling tmpnam_r, cannot determine prototype." >&4 ;;
* ) case "$tmpnam_r_proto" in
REENTRANT_PROTO*) ;;
*) tmpnam_r_proto="REENTRANT_PROTO_$tmpnam_r_proto"
;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "tmpnam_r has no prototype, not using it." >&4 ;;
esac
d_tmpnam_r=undef
tmpnam_r_proto=0
;;
esac

```

```
::
*) tmpnam_r_proto=0
::
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_tmpnam_r.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_endnent.U,v 3.0 1993/08/18 12:06:09 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: d_endnent.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:09 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_endnent: Inlibc
?MAKE: -pick add $@ %<
?S:d_endnent:
?S: This variable conditionally defines HAS_ENDNETENT if endnent() is
?S: available to close whatever was being used for network queries.
?S:.
?C:HAS_ENDNETENT:
?C: This symbol, if defined, indicates that the endnent() routine is
?C: available to close whatever was being used for network
?C: queries.
?C:.
?H:#$d_endnent HAS_ENDNETENT /**/
?H:.
?LINT:set d_endnent
: see if endnent exists
set endnent d_endnent
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_endnent.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_mktime.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```

?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_mkttime.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:09:44 ram
?RCS: patch32: created by ADO
?RCS:
?MAKE:d_mkttime: Inlibc
?MAKE: -pick add $@ %<
?S:d_mkttime:
?S: This variable conditionally defines the HAS_MKTIME symbol, which
?S: indicates to the C program that the mktime() routine is available.
?S:.
?C:HAS_MKTIME :
?C: This symbol, if defined, indicates that the mktime routine
is
?C: available.
?C:.
?H:#$d_mkttime HAS_MKTIME /**/
?H:.
?LINT:set d_mkttime
: see if mktime exists
set mktime d_mkttime
eval $inlibc

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_mkttime.U
```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_random_r.U,v ORCS:
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.
?RCS:
?MAKE:d_random_r random_r_proto: Inlibc Protochk Hasproto i_systypes \
usethreads i_stdlib extern_C

```

?MAKE: -pick add \$@ %<

?S:d\_random\_r:

?S: This variable conditionally defines the HAS\_RANDOM\_R symbol,  
 ?S: which indicates to the C program that the random\_r()  
 ?S: routine is available.

?S:.

?S:random\_r\_proto:

?S: This variable encodes the prototype of random\_r.  
 ?S: It is zero if d\_random\_r is undef, and one of the  
 ?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_random\_r  
 ?S: is defined.

?S:.

?C:HAS\_RANDOM\_R:

?C: This symbol, if defined, indicates that the random\_r routine  
 ?C: is available to random re-entrantly.

?C:.

?C:RANDOM\_R\_PROTO:

?C: This  
 symbol encodes the prototype of random\_r.  
 ?C: It is zero if d\_random\_r is undef, and one of the  
 ?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_random\_r  
 ?C: is defined.

?C:.

?H:#\$d\_random\_r HAS\_RANDOM\_R /\*\*/  
 ?H:#define RANDOM\_R\_PROTO \$random\_r\_proto /\*\*/  
 ?H:.

?T:try hdrs d\_random\_r\_proto  
 : see if random\_r exists  
 set random\_r d\_random\_r  
 eval \$inlibc  
 case "\$d\_random\_r" in  
 "\$define")  
 hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_stdlib stdlib.h"  
 case "\$d\_random\_r\_proto:\$usethreads" in  
 ":define") d\_random\_r\_proto=define  
 set d\_random\_r\_proto random\_r \$hdrs  
 eval \$hasproto ;;  
 \*) ;;  
 esac  
 case "\$d\_random\_r\_proto" in  
 define)  
 case "\$random\_r\_proto" in  
 "|0) try='int random\_r(int\*, struct random\_data\*);'  
 ./protochk "\$extern\_C \$try" \$hdrs && random\_r\_proto=I\_iS ;;  
 esac  
 case "\$random\_r\_proto" in  
 "|0) try='int random\_r(long\*, struct random\_data\*);'  
 ./protochk "\$extern\_C \$try" \$hdrs && random\_r\_proto=I\_lS ;;

```

esac
case "$random_r_proto" in
"|0)
try='int random_r(struct random_data*, int32_t*);'
./prothck "$extern_C $try" $hdrs && random_r_proto=I_St ;;
esac
case "$random_r_proto" in
"|0) d_random_r=undef
random_r_proto=0
echo "Disabling random_r, cannot determine prototype." >&4 ;;
* ) case "$random_r_proto" in
REENTRANT_PROTO*) ;;
*) random_r_proto="REENTRANT_PROTO_$random_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$susetheads" in
define) echo "random_r has no prototype, not using it." >&4 ;;
esac
d_random_r=undef
random_r_proto=0
;;
esac
;;
*) random_r_proto=0
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_random\_r.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_flexfnam.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:04 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

```

?MAKE:d_flexfnam: cat rm test Setvar
?MAKE: -pick add $@ %<
?S:d_flexfnam:
?S: This variable conditionally defines the FLEXFILENAMES symbol, which
?S: indicates that the system supports filenames longer than 14 characters.
?S:.
?C:FLEXFILENAMES:
?C: This symbol, if defined, indicates that the system supports filenames
?C: longer than 14 characters.
?C:.
?H:#$d_flexfnam FLEXFILENAMES /**/
?H:.
?T:first
second
?LINT:set d_flexfnam
: see if we can have long filenames
echo " "
?X:
?X: We have to test in both /tmp and . because of NFS (remote server may allow
?X: long filenames while the local filesystem cannot support them). If at least
?X: one of those file systems cannot support long filenames, then we assume the
?X: whole system can't.
?X:
rmlist="$rmlist /tmp/cf$$"
$test -d /tmp/cf$$ || mkdir /tmp/cf$$
first=123456789abcdef
second=/tmp/cf$$/$first
$rm -f $first $second
if (echo hi >$first) 2>/dev/null; then
if $test -f 123456789abcde; then
echo 'You cannot have filenames longer than 14 characters. Sigh.' >&4
val="$undef"
else
if (echo hi >$second) 2>/dev/null; then
if $test -f /tmp/cf$$/123456789abcde; then
$cat <<'EOM'
That's peculiar... You can have filenames longer than 14 characters, but only
on some of the filesystems. Maybe you are using NFS. Anyway, to avoid problems
I shall consider your system cannot support long filenames at all.
EOM
val="$undef"
else
echo
'You can have filenames longer than 14 characters.' >&4
val="$define"
fi
else
$cat <<'EOM'

```



How confusing! Some of your filesystems are sane enough to allow filenames longer than 14 characters but some others like /tmp can't even think about them. So, for now on, I shall assume your kernel does not allow them at all.

EOM

```
val="$undef"
fi
fi
else
$cat <<'EOM'
```

You can't have filenames longer than 14 chars. You can't even think about them!

EOM

```
val="$undef"
fi
set d_flexfnam
eval $setvar
$rm -rf /tmp/cf$$ 123456789abcde*
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_flexfnam.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:siteman1dir siteman1direxp installsiteman1dir: Getfile \

Setprefixvar prefix siteprefix man1dir sed

?MAKE: -pick add \$@ %<

?Y:TOP

?D:siteman1dir="

?S:siteman1dir:

?S: This variable contains the name of the directory in which site-specific

?S: manual source pages are to be put. It is the responsibility of the

?S: Makefile.SH to get the value of this into the proper command.

?S: You must be prepared to do the ~name expansion yourself.

?S: The standard distribution will put nothing in this directory.

?S: After perl

has been installed, users may install their own local

?S: man1 pages in this directory with

?S: MakeMaker Makefile.PL

?S: or equivalent. See INSTALL for details.

```

?S:.
?D:siteman1direxp="
?S:siteman1direxp:
?S: This variable is the same as the siteman1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installsiteman1dir="
?S:installsiteman1dir:
?S: This variable is really the same as siteman1direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man1direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installsiteman1dir
?LINT:set siteman1dir
?LINT:set siteman1direxp
: determine where add-on manual pages go
case "$siteman1dir" in
") dflt=`echo $man1dir | $sed "s#^$prefix#siteprefix#" ` ;;
*) dflt=$siteman1dir ;;
esac
case "$dflt" in
"| ") dflt=none ;;
esac
fn=dn+~
rp='Pathname
where the site-specific manual pages should be installed?'
./getfile
prefixvar=siteman1dir
./setprefixvar

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/installdirs/siteman1dir.U

```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_mmap.U,v $
```

?RCS: Revision 3.0.1.1 1993/12/15 08:19:12 ram

?RCS: patch15: created

?RCS:

?MAKE:d\_mmap: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_mmap:

?S: This variable conditionally defines HAS\_MMAP if mmap() is

?S: available to map a file into memory.

?S:.

?C:HAS\_MMAP:

?C: This symbol, if defined, indicates that the mmap system call is

?C: available to map a file into memory.

?C:.

?H:#\$d\_mmap HAS\_MMAP /\*\*/

?H:.

?LINT:set d\_mmap

: see if mmap exists

set mmap d\_mmap

eval \$inlibc

Found in path(s):

\*

/opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_mmap.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: dlsrc.U,v\$

?RCS:

?RCS: Copyright (c) 1996-1998, Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: \$Log: dlsrc.U,v \$

?RCS:

?X: hpux support thanks to Jeff Okamoto <okamoto@hpcc101.corp.hp.com>

?X:

?X: To create a shared library, you must compile ALL source files in the

?X: library with +z (or possibly +Z if the library is whopping huge),

?X: then link the library with -b. Example:

?X: cc -c +z module\_a.c

?X: cc -c +z module\_b.c

?X: ld -b module\_a.o module\_b.o -o module.sl

?X:

?MAKE:usedl ld dlsrc ccdlflags lddlflags ccdlflags bin\_ELF ld\_can\_script: \

rm\_try Getfile Myread test osname sed d\_dlopen Findhdr Setvar \

src run cc ccflags ldflags optimize ls gccversion cat rsrc i\_stdlib \

i\_unistd osvers sysroot

?MAKE: -pick add \$@ %<  
?Y:BOTTOM  
?S:usedl:  
?S: This variable indicates if the system supports dynamic loading of some sort. See also dlsrc and dlobj.  
?S:.  
?S:ld:  
?S: This variable indicates the program to be used to link libraries for dynamic loading. On some systems, it is 'ld'.  
?S: On ELF systems, it should be \$cc. Mostly, we'll try to respect the hint file setting.  
?S:.  
?S:dlsrc:  
?S: This variable contains the name of the dynamic loading file that will be used with the package.  
?S:.  
?S:cccdlflags:  
?S: This variable contains any special flags that might need to be passed with 'cc -c' to compile modules to be used to create a shared library that will be used for dynamic loading. For hpux, this should be +z. It is up to the makefile to use it.  
?S:.  
?S:lddlflags:  
?S: This variable contains any special flags that might need to be passed to \$ld to create a shared library suitable for dynamic loading. It is up to the makefile to use it. For hpux, it should be '-b'. For sunos 4.1, it is empty.  
?S:.  
?S:ccdflags:  
?S: This variable contains any special flags that might need to be passed to cc to link with a shared library for dynamic loading. It is up to the makefile to use it. For sunos 4.1, it should be empty.  
?S:.  
?S:bin\_ELF:  
?S: This variable saves the result from configure if generated binaries are in ELF format. Only set to defined when the test has actually been performed, and the result was positive.  
?S:.  
?S:ld\_can\_script:  
?S: This variable shows if the loader accepts scripts in the form of -Wl,--version-script=ld.script. This is currently only supported for GNU ld on ELF in dynamic loading builds.  
?S:.  
?C:USE\_DYNAMIC\_LOADING ~ %<  
?C: This symbol, if defined, indicates that dynamic loading of

```

?C: some sort is available.
?C:.
?H:%<:#$usedl USE_DYNAMIC_LOADING /**/
?H:.
?W:%<:dlopen
?T:dldir thisflag tdir
?F:!a.out
: determine which dynamic loading, if any, to compile in
echo " "
dldir="ext/DynaLoader"
case "$usedl" in
    $define|y|true)
    dflt='y'
    usedl="$define"
    ;;
    $undef|n|false)
    dflt='n'
    usedl="$undef"
    ;;
    *)
    dflt='n'
case "$d_dlopen" in
    $define) dflt='y' ;;
esac
: Does a dl_xxx.xs file exist for this operating system
$test -f $src/$dldir/dl_${osname}.xs && dflt='y'
;;
esac
rp="Do you wish to use dynamic loading?"
./myread
usedl="$ans"
bin_ELF="$undef"
case "$ans" in
    y*) usedl="$define"
case "$dlsrc" in
    ") if $test -f $src/$dldir/dl_${osname}.xs ; then
    dflt="$dldir/dl_${osname}.xs"
    elif $test "$d_dlopen" = "$define" ; then
    dflt="$dldir/dl_dlopen.xs"
    else
    dflt="
fi
;;
    *) dflt="$dldir/$dlsrc"
;;
esac
echo "The following dynamic loading files are available:"
: Can not go over to $dldir because getfile has path hard-coded in.

```

```

tdir=`pwd`; cd "$rsrc"; $ls -C $dldir/dl*.xs; cd "$tdir"
rp="Source file to use for dynamic loading"
fn="fne"
gfpth="$src"
./getfile
usedl="$define"
: emulate basename
dlsrc=`echo $ans | $sed -e 's%.*^\([^/]*\)%\1%`

$cat
<< EOM

```

Some systems may require passing special flags to \$cc -c to compile modules that will be used to create a shared library. To use no flags, say "none".

EOM

```

case "$cccdlflags" in
  ") case "$gccversion" in
  ") case "$osname" in
    hpux) dflt='+z' ;;
    irix*) dflt='-KPIC' ;;
    svr4*|esix*|solaris|nonstopux) dflt='-KPIC' ;;
    sunos) dflt='-pic' ;;
    *) dflt='none' ;;
  esac
  ;;
  *) case "$osname" in
    darwin) dflt='none' ;;
    *linux*|svr4*|esix*|solaris|nonstopux) dflt='-fPIC' ;;
    *) dflt='-fpic' ;;
  esac ;;
esac ;;
  ' ') dflt='none' ;;
  *) dflt="$cccdlflags" ;;
esac

case "$dflt" in
  none) dflt=" ;;
esac

# If -Dsysroot was specified, now's the time to add it
# to cccdflags
if test "X$sysroot" != X; then
  case "$gccversion" in
  ") ;;
  *) case "$dflt" in
    *sysroot*) ;;

```

```

'undef|*)
    dflt="$dflt --sysroot=$sysroot" ;;
esac
;;
esac
fi

case "$dflt" in
    ") dflt='none';;
esac

rp="Any
special flags to pass to $cc -c to compile shared library modules?"
./myread
case "$ans" in
?X: Use ' ' so that a subsequent Configure run preserves the old state.
    none) cccdlflags=' ' ;;
    *) cccdlflags="$ans" ;;
esac

cat << EOM

```

Some systems use ld to create libraries that can be dynamically loaded, while other systems (such as those using ELF) use \$cc.

EOM

```

: Determine if this is ELF
$cat >try.c <<EOM
/* Test for whether ELF binaries are produced */
#include <fcntl.h>
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#ifdef I_UNISTD
#include <unistd.h>
#endif
int main() {
    char b[4];
    int i = open("a.out",O_RDONLY);
    if(i == -1)
        exit(1); /* fail */
    if(read(i,b,4)==4 && b[0]==127 && b[1]=='E' && b[2]=='L' && b[3]=='F')
        exit(0); /* succeed (yes, it is ELF) */
    exit(1); /* fail */
}

```

```

EOM
if $cc $ccflags $ldflags -o a.out try.c >/dev/null 2>&1 && $run ./a.out; then
    bin_ELF="$define"
fi
$rm_try

case "$ld" in

    *) if $test $bin_ELF = "$define"; then
        cat <<EOM
You appear to have ELF support. I'll use $cc to build dynamic libraries.
EOM
        dflt="$cc"
    else
        echo "I'll use ld to build dynamic libraries."
        dflt='ld'
    fi
;;
*) dflt="$ld"
;;
esac

```

```

rp="What command should be used to create dynamic libraries?"
. ./myread
ld="$ans"

```

```

cat << EOM

```

Some systems may require passing special flags to \$ld to create a library that can be dynamically loaded. If your ld flags include -L/other/path options to locate libraries outside your loader's normal search path, you may need to specify those -L options here as well. To use no flags, say "none".

```

EOM
case "$lddflags" in
    *) case "$osname" in
        haiku) dflt='-shared' ;;
        hpux) dflt='-b';
    case "$gccversion" in
        *) dflt="$dflt +vnocompatwarnings" ;;
    esac
;;
*linux*|*irix*|*gnu*) dflt="-shared $optimize" ;;
solaris) # See [perl #66604].
    # On Solaris 11, gcc -m64
on amd64
    # appears not to understand -G. gcc versions at

```



```

# least as old as 3.4.3 support -shared, so just
# use that with Solaris 11 and later, but keep
# the old behavior for older Solaris versions.
case "$gccversion" in
") dflt='-G' ;;
*) case "$osvers" in
2.?|2.10) dflt='-G' ;;
*) dflt='-shared' ;;
esac
;;
esac
;;
sunos) dflt='-assert nodefaults' ;;
svr4*|esix*|nonstopux) dflt="-G $ldflags" ;;
*) dflt='none' ;;
esac
;;
*) dflt="$ldldflags" ;;
esac

```

: Only do this for gcc, since, for example, qcc has no concept  
: of --sysroot.

```

if $test "X$sysroot" != X; then
case "$gccversion" in
") ;;
*) dflt="$dflt --sysroot $sysroot" ;;
esac
fi

```

: Try to guess additional flags to pick up local libraries.

: Be careful not to append to a plain 'none'

```

case "$dflt" in
none) dflt=" ;;
esac
for thisflag in $ldflags; do
case "$thisflag" in
-L*|-R*|-Wl,-R*)

case " $dflt " in
*" $thisflag "*) ;;
*) dflt="$dflt $thisflag" ;;
esac
;;
esac
done

```

```

case "$dflt" in
"| ' ) dflt='none' ;;

```

```

esac

case "$ldflags" in
    *-fstack-protector-strong*)
case "$dflt" in
    *-fstack-protector-strong*) ;; # Don't add it again
    *) dflt="$dflt -fstack-protector-strong" ;;
esac
;;
    *-fstack-protector*)
case "$dflt" in
    *-fstack-protector*) ;; # Don't add it again
    *) dflt="$dflt -fstack-protector" ;;
esac
;;
esac

rp="Any special flags to pass to $ld to create a dynamically loaded library?"
./myread
case "$ans" in
?X: Use ' ' so that a subsequent Configure run preserves the old state.
    none) lddflags=' ' ;;
    *) lddflags="$ans" ;;
esac

```

cat <<EOM

Some systems may require passing special flags to \$cc to indicate that the resulting executable will use dynamic linking. To use no flags, say "none".

EOM

```

case "$ccldflags" in
    ") case "$osname" in
        *linux*|hpux|gnu*)
dflt='-Wl,-E' ;;
        sunos)          dflt='none' ;;
        *)              dflt='none' ;;
esac ;;
    ') dflt='none' ;;
    *) dflt="$ccldflags" ;;
esac

rp="Any special flags to pass to $cc to use dynamic linking?"
./myread
case "$ans" in
?X: Use ' ' so that a subsequent Configure run preserves the old state.
    none) ccldflags=' ' ;;
    *) ccldflags="$ans" ;;

```

```
esac
;;
?X: End of usedl=y section
```

```
*) usedl="$undef"
ld='ld'
dlsrc='dl_none.xs'
lddflags=""
ccldflags=""
;;
esac
```

```
ld_can_script="$undef"
case "$bin_ELF$usedl" in
  $define$define)
    # Abuse try.h and a.out names for neat cleanup
    $cat >try.c <<EOM
    void foo() {}
    void bar() {}
    EOM
    $cat >try.h <<EOM
    LIBTEST_42 {
    global:
    foo;
    local: *;
    };
    EOM
    if $cc $cccdlflags $ccdlflags $ccflags \
        $ldflags $lddlflags -o a.out try.c \
        -Wl,--version-script=try.h >/dev/null 2>&1 \
        && $test -s a.out ; then
        echo "ld supports scripting" >&4
        ld_can_script="$define"
    else

        echo "ld does not support scripting" >&4
    fi
    $rm_try
    ;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/dlsrc.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_statvfs d\_fstatvfs: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_statvfs:

?S: This variable conditionally defines the HAS\_STATVFS symbol, which

?S: indicates to the C program that the statvfs() routine is available.

?S:.

?S:d\_fstatvfs:

?S: This variable conditionally defines the HAS\_FSTATVFS symbol, which

?S: indicates to the C program that the fstatvfs() routine is available.

?S:.

?C:HAS\_STATVFS:

?C: This symbol, if defined, indicates that the statvfs routine is

?C: available to stat filesystems by filenames.

?C:.

?C:HAS\_FSTATVFS:

?C: This symbol, if defined, indicates that the fstatvfs routine is

?C: available to stat filesystems by file descriptors.

?C:.

?H:#\$d\_statvfs HAS\_STATVFS /\*\*/

?H:#\$d\_fstatvfs

HAS\_FSTATVFS /\*\*/

?H:.

?LINT:set d\_statvfs

?LINT:set d\_fstatvfs

: see if statvfs exists

set statvfs d\_statvfs

eval \$inlibc

: see if fstatvfs exists

set fstatvfs d\_fstatvfs

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_statvfs.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_float.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: i\_float.U,v \$  
?RCS: Revision 3.0.1.1 1994/08/29 16:21:57 ram  
?RCS: patch32: created by ADO  
?RCS:  
?MAKE:i\_float: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_float:  
?S: This variable conditionally defines the I\_FLOAT symbol, and indicates  
?S: whether a C program may include <float.h> to get symbols like DBL\_MAX  
?S: or DBL\_MIN, i.e. machine dependent floating point values.  
?S:.  
?C:I\_FLOAT:  
?C: This  
symbol, if defined, indicates to the C program that it should  
?C: include <float.h> to get definition of symbols like DBL\_MAX or  
?C: DBL\_MIN, i.e. machine dependent floating point values.  
?C:.  
?H:#\$i\_float I\_FLOAT /\*\*/  
?H:.  
?LINT:set i\_float  
: see if this is a float.h system  
set float.h i\_float  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_float.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_sbrk.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_sbrk.U,v \$  
?RCS: Revision 3.0.1.1 1994/01/24 14:06:31 ram  
?RCS: patch16: created

?RCS:  
?MAKE:d\_sbrk: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_sbrk:  
?S: This variable conditionally defines HAS\_SBRK if sbrk() is  
?S: available to add more core to the process.  
?S:.  
?C:HAS\_SBRK:  
?C: This symbol, if defined, indicates that the sbrk system call is  
?C: available to add/release core. Always true on Unix.  
?C:.  
?H:#\$d\_sbrk HAS\_SBRK /\*\*/  
?H:.  
?LINT:set d\_sbrk  
: see  
if sbrk exists  
set sbrk d\_sbrk  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_sbrk.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 2000 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_class: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_class:  
?S: This variable conditionally defines the HAS\_CLASS symbol, which  
?S: indicates to the C program that the class() routine is available.  
?S:.  
?C:HAS\_CLASS:  
?C: This symbol, if defined, indicates that the class routine is  
?C: available to classify doubles. Available for example in AIX.  
?C: The returned values are defined in <float.h> and are:  
?C:  
?C: FP\_PLUS\_NORM Positive normalized, nonzero  
?C: FP\_MINUS\_NORM Negative normalized, nonzero  
?C: FP\_PLUS\_DENORM Positive denormalized, nonzero  
?C: FP\_MINUS\_DENORM Negative denormalized, nonzero  
?C: FP\_PLUS\_ZERO +0.0  
?C: FP\_MINUS\_ZERO -0.0

```
?C: FP_PLUS_INF +INF
?C: FP_MINUS_INF -INF
?C: FP_NANS Signaling
Not a Number (NaNS)
?C: FP_NANQ Quiet Not a Number (NaNQ)
?C:.
?H:#$d_class HAS_CLASS /**/
?H:.
?LINT:set d_class
: see if class exists
set class d_class
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_class.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2014, H.Merijn Brand
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_backtrace.U,v $
?RCS:
?MAKE:d_backtrace: Inlibc
?MAKE: -pick add $@ %<
?S:d_backtrace:
?S: This variable conditionally defines the HAS_BACKTRACE symbol, which
?S: indicates to the C program that the backtrace() routine is available
?S: to get a stack trace.
?S:.
?C:HAS_BACKTRACE:
?C: This symbol, if defined, indicates that the backtrace() routine is
?C: available to get a stack trace. The <execinfo.h> header must be
?C: included to use this routine.
?C:.
?H:#$d_backtrace HAS_BACKTRACE /**/
?H:.
?LINT:set d_backtrace
:
see if backtrace exists
set backtrace d_backtrace
```

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_backtrace.U

No license file was found, but licenses were detected in source scan.

?RCS: Copyright (c) 2017, Lukas Mai

?RCS:

?RCS: You may distribute this file under the terms of either

?RCS: a) the "Artistic License" which comes with Perl, or

?RCS: b) the "Artistic License" which comes with dist, or

?RCS: c) the GNU General Public License as published by the Free

?RCS: Software Foundation; either version 1, or (at your option) any

?RCS: later version (see the file "Copying" that comes with the

?RCS: Perl distribution).

?RCS: Which one to use is your choice.

?RCS: See the U/README file.

?MAKE:d\_builtin\_add\_overflow d\_builtin\_sub\_overflow d\_builtin\_mul\_overflow : Compile Setvar cat run rm\_try

?MAKE: -pick add \$@ %<

?S:d\_builtin\_add\_overflow:

?S: This variable conditionally defines HAS\_BUILTIN\_ADD\_OVERFLOW, which

?S: indicates that the compiler supports \_\_builtin\_add\_overflow(x,y,&z)

?S: for safely adding x and y into z while checking for overflow.

?S:.

?S:d\_builtin\_sub\_overflow:

?S: This

variable conditionally defines HAS\_BUILTIN\_SUB\_OVERFLOW, which

?S: indicates that the compiler supports \_\_builtin\_sub\_overflow(x,y,&z)

?S: for safely subtracting y from x into z while checking for overflow.

?S:.

?S:d\_builtin\_mul\_overflow:

?S: This variable conditionally defines HAS\_BUILTIN\_MUL\_OVERFLOW, which

?S: indicates that the compiler supports \_\_builtin\_mul\_overflow(x,y,&z)

?S: for safely multiplying x and y into z while checking for overflow.

?S:.

?C:HAS\_BUILTIN\_ADD\_OVERFLOW:

?C: This symbol, if defined, indicates that the compiler supports

?C: \_\_builtin\_add\_overflow for adding integers with overflow checks.

?C:.

?C:HAS\_BUILTIN\_SUB\_OVERFLOW:

?C: This symbol, if defined, indicates that the compiler supports

?C: \_\_builtin\_sub\_overflow for subtracting integers with overflow checks.

?C:.

?C:HAS\_BUILTIN\_MUL\_OVERFLOW:

?C: This symbol, if defined, indicates that the compiler supports

?C: \_\_builtin\_mul\_overflow for multiplying integers with overflow checks.

?C:.



```

?H:#$d_builtin_add_overflow
HAS_BUILTIN_ADD_OVERFLOW /**/
?H:#$d_builtin_sub_overflow HAS_BUILTIN_SUB_OVERFLOW /**/
?H:#$d_builtin_mul_overflow HAS_BUILTIN_MUL_OVERFLOW /**/
?H:.
?F:!try
?LINT:set d_builtin_add_overflow d_builtin_sub_overflow d_builtin_mul_overflow
: Look for GCC-style __builtin_add_overflow
case "$d_builtin_add_overflow" in
")
    echo " "
    echo "Checking whether your compiler can handle __builtin_add_overflow ..." >&4
    $cat >try.c <<'EOCP'
int main(void) {
    const unsigned int uint_max = ~0u;
    int target_int = 0;
    if (__builtin_add_overflow(1, 2, &target_int) || target_int != 3) {
        return 1;
    }
    if (!__builtin_add_overflow((int)(uint_max >> 1), 1, &target_int)) {
        return 1;
    }
    if (!__builtin_add_overflow(uint_max, -1, &target_int)) {
        return 1;
    }
    return 0;
}
EOCP
set try
if eval $compile && $run ./try; then
    echo "Your C compiler supports __builtin_add_overflow."
    val="$define"
else
    echo
    "Your C compiler doesn't seem to understand __builtin_add_overflow."
    val="$undef"
fi
;;
*) val="$d_builtin_add_overflow" ;;
esac

set d_builtin_add_overflow
eval $setvar
$rm_try

: Look for GCC-style __builtin_sub_overflow
case "$d_builtin_sub_overflow" in
")

```

```

echo " "
echo "Checking whether your compiler can handle __builtin_sub_overflow ..." >&4
$cat >try.c <<'EOCP'
int main(void) {
    const unsigned int uint_max = ~0u;
    int target_int = 0;
    if (__builtin_sub_overflow(1, -2, &target_int) || target_int != 3) {
        return 1;
    }
    if (!__builtin_sub_overflow(-(int)(uint_max >> 1), 2, &target_int)) {
        return 1;
    }
    if (!__builtin_sub_overflow(uint_max, 1, &target_int)) {
        return 1;
    }
    return 0;
}
EOCP
set try
if eval $compile && $run ./try; then
    echo "Your C compiler supports __builtin_sub_overflow."
    val="$define"
else
    echo "Your C compiler doesn't seem to understand __builtin_sub_overflow."
    val="$undef"
fi
;;
*) val="$d_builtin_sub_overflow" ;;
esac

set d_builtin_sub_overflow
eval $setvar
$rm_try

: Look for GCC-style __builtin_mul_overflow
case "$d_builtin_mul_overflow" in
")
    echo " "
    echo "Checking whether your compiler can handle __builtin_mul_overflow ..." >&4
    $cat >try.c <<'EOCP'
int main(void) {
    const unsigned int uint_max = ~0u;
    int target_int = 0;
    if (__builtin_mul_overflow(2, 3, &target_int) || target_int != 6) {
        return 1;
    }
    if (!__builtin_mul_overflow((int)(uint_max >> 1), 2, &target_int)) {
        return 1;
    }

```

```

}
if (!__builtin_mul_overflow(uint_max, 1, &target_int)) {
    return 1;
}
return 0;
}
EOCP
set try
if eval $compile && $run ./try; then
    echo "Your C compiler supports __builtin_mul_overflow."
    val="$define"
else
    echo "Your C compiler doesn't seem to understand __builtin_mul_overflow."
    val="$undef"
fi
;;
*) val="$d_builtin_mul_overflow"
;;
esac

```

```

set d_builtin_mul_overflow
eval $setvar
$rm_try

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_builtin_overflow.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_localeconv\_1: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_localeconv\_1:

?S: This variable conditionally defines the HAS\_LOCALECONV\_L symbol, which

?S: indicates to the C program that the localeconv\_1() routine is available.

?S:.

?C:HAS\_LOCALECONV\_L:

?C: This symbol, if defined, indicates that the localeconv\_1 routine is

?C: available to query certain information about a locale.

?C:.

?H:#\$d\_localeconv\_1 HAS\_LOCALECONV\_L /\*\*/

?H:.

```
?LINT:set d_localeconv_1
: see if localeconv_1 exists
set localeconv_1 d_localeconv_1
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_localeconv_1.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: ipc.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: ipc.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:08:53 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:ipc serve_shm serve_msg serve_inet_udp serve_inet_tcp serve_unix_udp \
```

```
serve_unix_tcp: test Myread Oldconfig d_socket d_msg d_shm d_sem
```

```
?MAKE: -pick add $@ %<
```

```
?LINT:use d_msg d_sem
```

```
?S:ipc:
```

```
?S: This variable holds the type of IPC service we'll be using. Values
```

```
?S: include "ip", "shm", "msg", "cms" and "os9". We don't worry about
```

```
?S: cms or os9
```

```
here, because Configure doesn't run in those places--HMS.
```

```
?S:.
```

```
?S:serve_shm:
```

```
?S: This variable controls the definition of SERVE_SHM, which tells the
```

```
?S: C program to use USG shared memory for IPC.
```

```
?S:.
```

```
?S:serve_msg:
```

```
?S: This variable controls the definition of SERVE_MSG, which tells the
```

```
?S: C program to use USG message queues for IPC.
```

```
?S:.
```

```
?S:serve_inet_udp:
```

```
?S: This variable controls the definition of SERVE_INET_UDP, which tells
```

```
?S: the C program to enable InterNet-domain UDP support for IPC.
```

```
?S:.
```

```
?S:serve_inet_tcp:
```

```
?S: This variable controls the definition of SERVE_INET_TCP, which tells
```

?S: the C program to enable InterNet-domain TCP support for IPC.  
?S:.  
?S:serve\_unix\_udp:  
?S: This variable controls the definition of SERVE\_UNIX\_UDP, which tells  
?S: the C program to enable Unix-domain UDP support for IPC.  
?S:.  
?S:serve\_unix\_tcp:  
?S: This variable controls the definition of SERVE\_UNIX\_TCP, which tells  
?S: the C program to enable Unix-domain TCP support for IPC.  
?S:.  
?C:SERVE\_SHM:  
?C: If  
defined, tells the C program to use USG shared memory for IPC.  
?C:.  
?C:SERVE\_MSG:  
?C: If defined, tells the C program to use USG message queues for IPC.  
?C:.  
?C:SERVE\_INET\_UDP:  
?C: If defined, tells the C program to enable InterNet-domain UDP  
?C: support for IPC.  
?C:.  
?C:SERVE\_INET\_TCP:  
?C: If defined, tells the C program to enable InterNet-domain TCP  
?C: support for IPC.  
?C:.  
?C:SERVE\_UNIX\_UDP:  
?C: If defined, tells the C program to enable Unix-domain UDP  
?C: support for IPC.  
?C:.  
?C:SERVE\_UNIX\_TCP:  
?C: If defined, tells the C program to enable Unix-domain TCP  
?C: support for IPC.  
?C:.  
?H:#\$serve\_shm SERVE\_SHM /\*\*/  
?H:#\$serve\_msg SERVE\_MSG /\*\*/  
?H:#\$serve\_inet\_udp SERVE\_INET\_UDP /\*\*/  
?H:#\$serve\_inet\_tcp SERVE\_INET\_TCP /\*\*/  
?H:#\$serve\_unix\_udp SERVE\_UNIX\_UDP /\*\*/  
?H:#\$serve\_unix\_tcp SERVE\_UNIX\_TCP /\*\*/  
?H:.  
?X: FIXME -- RAM  
?INIT:serve\_shm="  
?INIT:serve\_msg="\$undef"  
?INIT:serve\_inet\_udp="  
?INIT:serve\_inet\_tcp="  
?INIT:serve\_unix\_udp="  
?INIT:serve\_unix\_tcp="  
: get IPC mechanism

```

echo
" "
ipc=""
while $test -z "$ipc"
do
if $test "$ipc" != "shm" -a "$d_socket" = "$define"; then
ipc=""
if $test "$serve_inet_udp" = "$undef"; then
dflt=n
else
dflt=y
fi
rp='Provide InterNet-domain UDP service?'
./myread
dflt=""
case "$ans" in
n*) serve_inet_udp="$undef";;
*)
serve_inet_udp="$define"
ipc='ip'
;;
esac

if $test "$serve_inet_tcp" = "$define"; then
dflt=y
else
dflt=n
fi
rp='Provide InterNet-domain TCP service?'
./myread
dflt=""
case "$ans" in
n*) serve_inet_tcp="$undef";;
*)
serve_inet_tcp="$define"
ipc='ip'
;;
esac

if $test "$serve_unix_udp" = "$define"; then
dflt=y
else
dflt=n
fi
rp='Provide Unix-domain UDP service?'
./myread
dflt=""
case "$ans" in

```

```

n*) serve_unix_udp="$undef";;
*)
serve_unix_udp="$define"
ipc='ip'
;;
esac

if $test "$serve_unix_tcp" = "$define"; then
dflt=y
else
dflt=n
fi
rp='Provide Unix-domain TCP service?'
./myread
dflt=""
case
"$ans" in
n*) serve_unix_tcp="$undef";;
*)
serve_unix_tcp="$define"
ipc='ip'
;;
esac
else
serve_inet_udp="$undef"
serve_inet_tcp="$undef"
serve_unix_udp="$undef"
serve_unix_tcp="$undef"
fi
if $test "$ipc" != "ip" -a "$d_shm" = "$define"; then
echo "Providing USG shared memory IPC support." >&4
serve_shm="$define"
ipc='shm'
else
serve_shm="$undef"
fi
if $test -z "$ipc"; then
echo "You must select an IPC mechanism." >&4
fi
done

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/ipc.U

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?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2003 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_ilogbl: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_ilogbl:  
?S: This variable conditionally defines the HAS\_ILOGBL symbol, which  
?S: indicates to the C program that the ilogbl() routine is available  
?S: for extracting the exponent of long double x as a signed integer.  
?S: If scalbnl is also present we can emulate frexpl.  
?S:.  
?C:HAS\_ILOGBL:  
?C: This symbol, if defined, indicates that the ilogbl routine is  
?C: available. If scalbnl is also present we can emulate frexpl.  
?C:.  
?H:#\$d\_ilogbl HAS\_ILOGBL /\*\*/  
?H:.  
?LINT:set d\_ilogbl  
: see if ilogbl exists  
set ilogbl d\_ilogbl  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_ilogbl.U

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?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1999 Jarkko Hietaniemi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?MAKE:sitehtml3dir sitehtml3direxp installsitehtml3dir: Getfile \  
Setprefixvar prefix siteprefix html3dir sed  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?D:sitehtml3dir="  
?S:sitehtml3dir:  
?S: This variable contains the name of the directory in which site-specific  
?S: library html source pages are to be put. It is the responsibility of the  
?S: Makefile.SH to get the value of this into the proper command.



?S: You must be prepared to do the ~name expansion yourself.

?S: The standard distribution will put nothing in this directory.

?S: After  
perl has been installed, users may install their own local

?S: library html pages in this directory with

?S: MakeMaker Makefile.PL

?S: or equivalent. See INSTALL for details.

?S:.

?D:sitehtml3direxp="

?S:sitehtml3direxp:

?S: This variable is the same as the sitehtml3dir variable, but is filename

?S: expanded at configuration time, for convenient use in makefiles.

?S:.

?D:installsitehtml3dir="

?S:installsitehtml3dir:

?S: This variable is really the same as sitehtml3direxp, unless you are using

?S: AFS in which case it points to the read/write location whereas

?S: html3direxp only points to the read-only access location. For extra

?S: portability, you should only use this variable within your makefiles.

?S:.

?LINT:change prefixvar

?LINT:set installsitehtml3dir

?LINT:set sitehtml3dir

?LINT:set sitehtml3direxp

: determine where add-on library html pages go

: There is no standard location, so try to copy the previously-selected

: directory structure for the core html pages.

case

"\$sitehtml3dir" in

) dflt=`echo "\$html3dir" | \$sed "s#^\$prefix#\$siteprefix#"` ;;

\*) dflt=\$sitehtml3dir ;;

esac

case "\$dflt" in

"| ") dflt=none ;;

esac

fn=dn+~

rp='Pathname where the site-specific library html pages should be installed?'

./getfile

prefixvar=sitehtml3dir

./setprefixvar

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/sitehtml3dir.U

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?RCS: \$Id: d\_getnetent\_r.U,v ORCS:

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?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.  
?RCS:  
?MAKE:d\_getnetent\_r getnetent\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_netdb extern\_C  
?MAKE: -pick add \$@ %<  
?S:d\_getnetent\_r:  
?S: This variable conditionally defines the HAS\_GETNETENT\_R symbol,  
?S: which indicates to the C program that the getnetent\_r()  
?S: routine is available.  
?S:.  
?S:getnetent\_r\_proto:  
?S: This variable encodes the prototype of getnetent\_r.  
?S: It is zero if d\_getnetent\_r is undef, and one of the  
?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getnetent\_r  
?S: is defined.  
?S:.  
?C:HAS\_GETNETENT\_R:  
?C: This symbol, if defined, indicates that the getnetent\_r routine  
?C: is  
available to getnetent re-entrantly.  
?C:.  
?C:GETNETENT\_R\_PROTO:  
?C: This symbol encodes the prototype of getnetent\_r.  
?C: It is zero if d\_getnetent\_r is undef, and one of the  
?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getnetent\_r  
?C: is defined.  
?C:.  
?H:#\$d\_getnetent\_r HAS\_GETNETENT\_R /\*\*/  
?H:#define GETNETENT\_R\_PROTO \$getnetent\_r\_proto /\*\*/  
?H:.  
?T:try hdrs d\_getnetent\_r\_proto  
: see if getnetent\_r exists  
set getnetent\_r d\_getnetent\_r  
eval \$inlibc  
case "\$d\_getnetent\_r" in  
"\$define")  
hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_netdb netdb.h"  
case "\$d\_getnetent\_r\_proto:\$usethreads" in  
":define") d\_getnetent\_r\_proto=define  
set d\_getnetent\_r\_proto getnetent\_r \$hdrs  
eval \$hasproto ;;  
\*) ;;  
esac  
case "\$d\_getnetent\_r\_proto" in

```

define)
case "$getnetent_r_proto" in
"|0) try='int getnetent_r(struct netent*, char*, size_t, struct netent**, int*);'
./prochck "$extern_C $try" $hdrs && getnetent_r_proto=I_SBWRE ;;
esac
case "$getnetent_r_proto" in
"|0) try='int getnetent_r(struct
netent*, char*, int, int*);'
./prochck "$extern_C $try" $hdrs && getnetent_r_proto=I_SBIE ;;
esac
case "$getnetent_r_proto" in
"|0) try='struct netent* getnetent_r(struct netent*, char*, int, int*);'
./prochck "$extern_C $try" $hdrs && getnetent_r_proto=S_SBIE ;;
esac
case "$getnetent_r_proto" in
"|0) try='struct netent* getnetent_r(struct netent*, char*, int);'
./prochck "$extern_C $try" $hdrs && getnetent_r_proto=S_SBI ;;
esac
case "$getnetent_r_proto" in
"|0) try='int getnetent_r(struct netent*, char*, int);'
./prochck "$extern_C $try" $hdrs && getnetent_r_proto=I_SBI ;;
esac
case "$getnetent_r_proto" in
"|0) try='int getnetent_r(struct netent*, struct netent_data*);'
./prochck "$extern_C $try" $hdrs && getnetent_r_proto=I_SD ;;
esac
case "$getnetent_r_proto" in
"|0) d_getnetent_r=undef
getnetent_r_proto=0
echo "Disabling getnetent_r, cannot determine prototype." >&4 ;;
*) case "$getnetent_r_proto" in
REENTRANT_PROTO*) ;;
*) getnetent_r_proto="REENTRANT_PROTO_${getnetent_r_proto}"
;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "getnetent_r has no prototype, not using it." >&4 ;;
esac
d_getnetent_r=undef
getnetent_r_proto=0
;;
esac
;;
*) getnetent_r_proto=0
;;

```

esac

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_getnetent\_r.U

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?RCS: \$Id: d\_srandom\_r.U,v 0RCS:

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?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_srandom\_r srandom\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads i\_stdlib extern\_C

?MAKE: -pick add \$@ %<

?S:d\_srandom\_r:

?S: This variable conditionally defines the HAS\_SRANDOM\_R symbol,

?S: which indicates to the C program that the srandom\_r()

?S: routine is available.

?S:.

?S:srandom\_r\_proto:

?S: This variable encodes the prototype of srandom\_r.

?S: It is zero if d\_srandom\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_srandom\_r

?S: is defined.

?S:.

?C:HAS\_SRANDOM\_R:

?C: This symbol, if defined, indicates that the srandom\_r routine

?C: is available to srandom re-entrantly.

?C:.

?C:SRANDOM\_R\_PROTO:

?C: This

symbol encodes the prototype of srandom\_r.

?C: It is zero if d\_srandom\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_srandom\_r

?C: is defined.

?C:.

?H:#\$d\_srandom\_r HAS\_SRANDOM\_R /\*\*/

?H:#define SRANDOM\_R\_PROTO \$srandom\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_srandom\_r\_proto

: see if srandom\_r exists

set srandom\_r d\_srandom\_r

eval \$inlibc

case "\$d\_srandom\_r" in

```

"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_stdlib stdlib.h"
case "$d_srandom_r_proto:$usethreads" in
":define") d_srandom_r_proto=define
set d_srandom_r_proto srandom_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_srandom_r_proto" in
define)
case "$srandom_r_proto" in
"|0) try='int srandom_r(unsigned int, struct random_data*);'
./prochck "$extern_C $try" $hdrs && srandom_r_proto=I_TS ;;
esac
case "$srandom_r_proto" in
"|0) d_srandom_r=undef
srandom_r_proto=0
echo "Disabling srandom_r, cannot determine prototype.">&4 ;;
*
) case "$srandom_r_proto" in
REENTRANT_PROTO*) ;;
*) srandom_r_proto="REENTRANT_PROTO_$srandom_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "srandom_r has no prototype, not using it.">&4 ;;
esac
d_srandom_r=undef
srandom_r_proto=0
;;
esac
;;
*) srandom_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_srandom_r.U
```

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?RCS: \$Id\$

?RCS:

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?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: models.U,v \$  
?RCS: Revision 3.0.1.2 1997/02/28 16:13:17 ram  
?RCS: patch61: added ?F: metalint hint  
?RCS:  
?RCS: Revision 3.0.1.1 1993/08/25 14:02:39 ram  
?RCS: patch6: added default for large  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:17 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:models split small medium large huge: test cat Myread sysman Oldconfig \  
Loc Warn contains rm  
?MAKE: -pick add \$@ %<  
?S:models:  
?S: This variable contains the list of memory models supported by  
this  
?S: system. Possible component values are none, split, unsplit, small,  
?S: medium, large, and huge. The component values are space separated.  
?S:.  
?S:split:  
?S: This variable contains a flag which will tell the C compiler and loader  
?S: to produce a program that will run in separate I and D space, for those  
?S: machines that support separation of instruction and data space. It is  
?S: up to the Makefile to use this.  
?S:.  
?S:small:  
?S: This variable contains a flag which will tell the C compiler and loader  
?S: to produce a program running with a small memory model. It is up to  
?S: the Makefile to use this.  
?S:.  
?S:medium:  
?S: This variable contains a flag which will tell the C compiler and loader  
?S: to produce a program running with a medium memory model. If the  
?S: medium model is not supported, contains the flag to produce large  
?S: model programs. It is up to the Makefile to use this.  
?S:.  
?S:large:  
?S: This variable contains a flag which will tell the C compiler and loader  
?S: to  
produce a program running with a large memory model. It is up to  
?S: the Makefile to use this.  
?S:.  
?S:huge:

?S: This variable contains a flag which will tell the C compiler and loader  
?S: to produce a program running with a huge memory model. If the  
?S: huge model is not supported, contains the flag to produce large  
?S: model programs. It is up to the Makefile to use this.

?S:.

?T:unsplit tans modelcc

?F:!pdp11

?D:large=""

?LINT:extern cc

: see what memory models we can support

case "\$models" in

")

?X: We may not use Cppsym or we get a circular dependency through cc.

?X: But this should work regardless of which cc we eventually use.

```
$cat >pdp11.c <<'EOP'
```

```
int main() {
```

```
#ifdef pdp11
```

```
    exit(0);
```

```
#else
```

```
    exit(1);
```

```
#endif
```

```
}
```

```
EOP
```

?X: Run cc in a subshell in case they don't have a 'cc' command.

?X: Presumably they do have gcc or something.

```
case "$cc" in
```

```
    ") modelcc="$cc" ;;
```

```
    *) modelcc="cc" ;;
```

```
esac
```

```
( $modelcc -o pdp11 pdp11.c ) >/dev/null 2>&1
```

```
if $test -f pdp11 && ./pdp11 2>/dev/null;
```

```
then
```

```
    dflt='unsplit split'
```

```
else
```

```
tans=`./loc . X /lib/small /lib/large /usr/lib/small /usr/lib/large /lib/medium /usr/lib/medium /lib/huge`
```

```
case "$tans" in
```

```
X) dflt='none';;
```

```
*) if $test -d /lib/small || $test -d /usr/lib/small; then
```

```
    dflt='small'
```

```
else
```

```
    dflt=""
```

```
fi
```

```
if $test -d /lib/medium || $test -d /usr/lib/medium; then
```

```
    dflt="$dflt medium"
```

```
fi
```

```
if $test -d /lib/large || $test -d /usr/lib/large; then
```

```
    dflt="$dflt large"
```

```
fi
```

```

if $test -d /lib/huge || $test -d /usr/lib/huge; then
    dflt="$dflt huge"
fi
esac
fi;;
*) dflt="$models";;
esac
$cat <<EOM

```

Some systems have different model sizes. On most systems they are called small, medium, large, and huge. On the PDP11 they are called unsplit and split. If your system doesn't support different memory models, say "none". If you wish to force everything to one memory model, say "none" here and put the appropriate flags later when it asks you for other cc and ld flags.

Venix systems may wish

to put "none" and let the compiler figure things out.

(In the following question multiple model names should be space separated.)

The default for most systems is "none".

EOM

```
rp="Which memory models are supported?"
```

```
./myread
```

```
models="$ans"
```

```
case "$models" in
```

```
none)
```

```
small="
```

```
medium="
```

```
large="
```

```
huge="
```

```
unsplit="
```

```
split="
```

```
::
```

```
*split)
```

```
case "$split" in
```

```
) if $contains '-i' $sysman/ld.1 >/dev/null 2>&1 || \
```

```
  $contains '-i' $sysman/cc.1 >/dev/null 2>&1; then
```

```
  dflt='-i'
```

```
else
```

```
  dflt='none'
```

```
fi;;
```

```
*) dflt="$split";;
```

```
esac
```

```
rp="What flag indicates separate I and D space?"
```

```
./myread
```

```
tans="$ans"
```

```
case "$tans" in
```



```

none) tans="";
esac
split="$tans"
unsplit="";
*large*|*small*|*medium*|*huge*)
case "$models" in
*large*)
case "$large" in
") dflt='-Ml';;
*) dflt="$large";;
esac
rp="What flag indicates large model?"
./myread
tans="$ans"
case "$tans" in
none) tans="";
esac
large="$tans";;
*) large="";;
esac
case "$models" in
*huge*) case "$huge" in
")
dflt='-Mh';;
*) dflt="$huge";;
esac
rp="What flag indicates huge model?"
./myread
tans="$ans"
case "$tans" in
none) tans="";
esac
huge="$tans";;
*) huge="$large";;
esac
case "$models" in
*medium*) case "$medium" in
") dflt='-Mm';;
*) dflt="$medium";;
esac
rp="What flag indicates medium model?"
./myread
tans="$ans"
case "$tans" in
none) tans="";
esac
medium="$tans";;
*) medium="$large";;

```

```

esac
case "$models" in
*small*) case "$small" in
") dflt='none';;
*) dflt="$small";;
esac
rp="What flag indicates small model?"
. ./myread
tans="$ans"
case "$tans" in
none) tans="";
esac
small="$tans";;
*) small="";;
esac
;;
*)
./warn "Unrecognized memory models--you may have to edit Makefile.SH"
;;
esac
$rm -f pdp11.* pdp11

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/models.U

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?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: libs.U,v \$

?RCS: Revision 3.0.1.6 1997/02/28 16:09:11 ram

?RCS: patch61: replaced .a with \$\_a all over the place

?RCS:

?RCS: Revision 3.0.1.5 1995/07/25 14:12:05 ram

?RCS: patch56: now knows about OS/2 platforms

?RCS:

?RCS: Revision 3.0.1.4 1994/10/29 16:24:22 ram

?RCS: patch36: removed old broken thislib/thatlib processing (ADO)

?RCS:

?RCS: Revision 3.0.1.3 1994/06/20 07:05:44 ram

?RCS: patch30: code cleanup with if/elif by ADO and RAM

?RCS: patch30: undone patch23 for libswanted default setting

?RCS:

?RCS: Revision 3.0.1.2 1994/05/06 15:08:45 ram

?RCS: patch23: now includes ordered default libswanted variable (ADO)

?RCS: patch23: major cleanup for library lookups (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1993/08/25 14:02:31 ram

?RCS: patch6: added default for libs

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:03 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:libs libsfound libsfiles libsdirs libspath libscheck: \  
test cat Myread Oldconfig Loc libpth package xlibpth so \_a \  
+usesocks sed +cc +ccflags +ldflags rm

?MAKE: -pick add \$@ %<

?S:libs:

?S: This variable holds the additional libraries we want to use.

?S: It is up to the Makefile to deal with it. The list can be empty.

?S:.

?S:libsfound:

?S: This variable holds the full pathnames of the libraries

?S: we found and accepted.

?S:.

?S:libsfiles:

?S: This variable holds the filenames aka basenames of the libraries

?S: we found and accepted.

?S:.

?S:libsdirs:

?S: This variable holds the directory names aka dirnames of the libraries

?S: we found and accepted, duplicates are removed.

?S:.

?S:libspath:

?S: This variable holds the directory names probed for libraries.

?S:.

?S:libscheck:

?S: This variable is intended to be set by hint files, if needed.

?S: It should contain shell code that will be eval'ed with \$xxx holding

?S: some library file. It may change \$xxx if needed.

?S: For instance, on an Irix platform, you may make sure the right

?S: library file is used depending on the cc command line, so that the

?S: correct library is used depending on the selected ABI (for 32 and

?S: 64-bit compilations).

?S:

?S: Here is an example of code that could be found in a hint file on Irix

?S: when the selected compiler was for 32-bit -- that code is put in the  
?S: cc.cbu call-back unit to be invoked AFTER the C compiler and its  
?S: flags have been chosen:  
?S:  
?S: libscheck='case "\$xxx" in  
?S: \*.a) /bin/ar p \$xxx ` /bin/ar t \$xxx | sed q `>\$\$\$.o;  
?S: case "`/usr/bin/file \$\$\$.o`" in  
?S: \*N32\*)  
rm -f \$\$\$.o ;;  
?S: \*) rm -f \$\$\$.o; xxx=/no/n32\$xxx ;;  
?S: esac ;;  
?S: \*) case "`/usr/bin/file \$xxx`" in  
?S: \*N32\*) ;;  
?S: \*) xxx=/no/n32\$xxx ;;  
?S: esac ;;  
?S: esac'  
?S:.  
?D:libs="  
?LINT:extern libswanted  
?LINT:change libswanted  
?INIT:: default library list  
?INIT:libswanted="  
?X: This order is chosen so that libraries -lndir, -ldir, -lucb, -lbsd,  
?X: -lBSD, -lPW, and -lx only get used if there are unresolved  
?X: routines at link time. Usually, these are backwards compatability  
?X: libraries, and may not be as reliable as the standard c library.  
?X:  
?X: The -lsocket -linet -lnsl order has been reported to be necessary  
?X: for at least one SVR4 implementation.  
?X: -lc must proceed -lucb or -lbsd for most Solaris applications.  
?X: -lc\_s proceeds -lc so we pick up the shared library version, if  
?X: it is available.  
?X:  
?X: The ordering of c, posix, and cposix is a guess and almost  
?X: certainly wrong on about half of all systems.  
?X:  
?X: Set proper libswanted in your private  
Myinit.U if needed.  
?X:  
?X:: default ordered library list  
?X:libswanted='net socket inet bind nsl nm sdbm gdbm ndbm dbm malloc dl'  
?X:libswanted="\$libswanted dld sun m c\_s c posix cposix ndir dir ucb"  
?X:libswanted="\$libswanted bsd BSD PW x"  
?X:  
?INIT:: should be set by hint files if needed  
?INIT:libscheck="  
?T:xxx yyy thislib thisdir libstyle linkmsg  
?F:lt.c lt

```

: Looking for optional libraries
echo " "
echo "Checking for optional libraries..." >&4
case "$libs" in
'|') dflt="";;
*) dflt="$libs";;
esac
case "$libswanted" in
") libswanted='c_s';;
esac
?X: libsocks has nasty naming scheme.
?X: This does not work if somebody wants SOCKS 4.
case "$susesocks" in
"$define") libswanted="$libswanted socks5 socks5_sh" ;;
esac
?X: Used later for link checks
echo "extern char printf(); int main() { printf(); return 0; }" > lt.c
libsfound=""
libsfiles=""
libsdirs=""
libspath=""
for thisdir in $libpth $xlibpth; do
test -d $thisdir && libspath="$libspath $thisdir"
done
for thislib in $libswanted;
do
for thisdir in $libspath; do
xxx=""
if $test ! -f "$xxx" ; then
xxx=`ls $thisdir/lib$thislib.$so.[0-9]* 2>/dev/null | $sed -n '1p'`
$test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle=shared
fi
if test ! -f "$xxx"; then
xxx=$thisdir/lib$thislib.$so
$test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle=shared
fi
if test ! -f "$xxx"; then
xxx=$thisdir/lib$thislib$_a
$test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle=static
fi
if test ! -f "$xxx"; then
xxx=$thisdir/$thislib$_a
$test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle=static
fi

```

```

if test ! -f "$xxx"; then
xxx=$thisdir/lib${thislib}_s$_a
    $test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle=static
$test -f "$xxx" && thislib=${thislib}_s
fi
if test ! -f "$xxx"; then
xxx=$thisdir/Slib$thislib$_a
    $test -f "$xxx" && eval $libscheck
$test
-f "$xxx" && libstyle=static
fi
if $test -f "$xxx"; then
?X:
?X: It is not sufficient to find a .so on the disk. We must make sure
?X: that we can indeed supply the -lfoo line on the cc line to link against
?X: that library. On Linux for instance, a versioned .so will not be
?X: implicitly linked against, whereas it will work fine on Solaris 2.6.
?X: --RAM, 10/10/2003
?X:
if $cc -o lt $ccflags $ldflags lt.c -l$thislib >/dev/null 2>&1;
then
linkmsg=""
else
linkmsg=" but I can't link against it"
fi
case "$libstyle" in
shared) echo "Found -l$thislib (shared)$linkmsg." ;;
static) echo "Found -l$thislib$linkmsg." ;;
*) echo "Found -l$thislib ($libstyle)$linkmsg." ;;
esac
case " $dflt " in
*"-l$thislib" *) ;;
*)
case "$linkmsg" in
")
dflt="$dflt -l$thislib"
libsfound="$libsfound $xxx"
yyy=`basename $xxx`
libsfiles="$libsfiles $yyy"
yyy=`echo $xxx|sed -e "s%/$yyy\\|\\$%"`
case " $libsdirs
" in
*" $yyy" *) ;;
*) libsdirs="$libsdirs $yyy" ;;
esac
;;
esac

```

```

;;
esac
break
fi
done
if $test ! -f "$xxx"; then
    echo "No -$thislib."
fi
done
set X $dflt
shift
dflt="$*"
case "$libs" in
") dflt="$dflt";;
*) dflt="$libs";;
esac
case "$dflt" in
'|') dflt='none';;
esac
$rm -f lt.c lt

$cat <<EOM

```

In order to compile \$package on your machine, a number of libraries are usually needed. Include any other special libraries here as well. Say "none" for none. The default list is almost always right.

EOM

```

echo " "
rp="Which libraries to use?"
. ./myread
case "$ans" in
none) libs=' ';;
*) libs="$ans";;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/libs.U

```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_getppid.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: d\_getppid.U,v \$  
?RCS: Revision 3.0.1.1 1994/08/29 16:07:45 ram  
?RCS: patch32: created by ADO  
?RCS:  
?MAKE:d\_getppid: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_getppid:  
?S: This variable conditionally defines the HAS\_GETPPID symbol, which  
?S: indicates to the C program that the getppid() routine is available  
?S: to get the parent process ID.  
?S:.  
?C:HAS\_GETPPID :  
?C: This symbol,  
if defined, indicates that the getppid routine is  
?C: available to get the parent process ID.  
?C:.  
?H:#\$d\_getppid HAS\_GETPPID /\*\*/  
?H:.  
?LINT:set d\_getppid  
: see if getppid exists  
set getppid d\_getppid  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_getppid.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1999 Jarkko Hietaniemi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?MAKE:d\_mprotect: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_mprotect:  
?S: This variable conditionally defines HAS\_MPROTECT if mprotect() is  
?S: available to modify the access protection of a memory mapped file.



?S:  
?C:HAS\_MPROTECT:  
?C: This symbol, if defined, indicates that the mprotect system call is  
?C: available to modify the access protection of a memory mapped file.  
?C:  
?H:#\$d\_mprotect HAS\_MPROTECT /\*\*/  
?H:  
?LINT:set d\_mprotect  
: see if mprotect exists  
set mprotect d\_mprotect  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_mprotect.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: installstyle.U,v 1.2 1999/07/13 14:56:06 doughera Exp \$  
?RCS:  
?RCS: Copyright (c) 1999 Andy Dougherty  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: installstyle.U,v \$  
?RCS: Revision 1.2 1999/07/13 14:56:06 doughera  
?RCS: Fix dependencies. Add more comments.  
?RCS:  
?RCS: Revision 1.1 1999/07/12 17:30:41 doughera  
?RCS: Initial revision  
?RCS:  
?RCS:  
?MAKE:installstyle: prefix Myread  
?MAKE: -pick add \$@ %<  
?X: Myread dependence is for dflt.  
?S:installstyle:  
?S: This variable describes the "style" of the perl installation.  
?S: This is intended to be useful for tools that need to  
?S: manipulate entire perl  
distributions. Perl itself doesn't use  
?S: this to find its libraries -- the library directories are  
?S: stored directly in Config.pm. Currently, there are only two  
?S: styles: "lib" and "lib/perl5". The default library locations  
?S: (e.g. privlib, sitelib) are either \$prefix/lib or  
?S: \$prefix/lib/perl5. The former is useful if \$prefix is a

?S: directory dedicated to perl (e.g. /opt/perl), while the latter  
 ?S: is useful if \$prefix is shared by many packages, e.g. if  
 ?S: \$prefix=/usr/local.  
 ?S:  
 ?S: Unfortunately, while this "style" variable is used to set  
 ?S: defaults for all three directory hierarchies (core, vendor, and  
 ?S: site), there is no guarantee that the same style is actually  
 ?S: appropriate for all those directories. For example, \$prefix  
 ?S: might be /opt/perl, but \$siteprefix might be /usr/local.  
 ?S: (Perhaps, in retrospect, the "lib" style should never have been  
 ?S: supported, but it did seem like a nice idea at the time.)  
 ?S:  
 ?S: The situation is even less clear for  
 ?S: tools such as MakeMaker  
 ?S: that can be used to install additional modules into  
 ?S: non-standard places. For example, if a user intends to install  
 ?S: a module into a private directory (perhaps by setting PREFIX on  
 ?S: the Makefile.PL command line), then there is no reason to  
 ?S: assume that the Configure-time \$installstyle setting will be  
 ?S: relevant for that PREFIX.  
 ?S:  
 ?S: This may later be extended to include other information, so  
 ?S: be careful with pattern-matching on the results.  
 ?S:  
 ?S: For compatibility with perl5.005 and earlier, the default  
 ?S: setting is based on whether or not \$prefix contains the string  
 ?S: "perl".  
 ?S:.  
 : determine installation style  
 : For now, try to deduce it from prefix unless it is already set.  
 : Reproduce behavior of 5.005 and earlier, maybe drop that in 5.7.  
 case "\$installstyle" in  
 ") case "\$prefix" in  
 \*perl\*) dflt='lib';;  
 \*) dflt='lib/perl5' ;;  
 esac  
 ;;  
 \*) dflt="\$installstyle" ;;  
 esac  
 : Probably not worth prompting for this since we prompt  
 for all  
 : the directories individually, and the prompt would be too long and  
 : confusing anyway.  
 installstyle=\$dflt

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/installstyle.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_finitel: Inlibc
?MAKE: -pick add $@ %<
?S:d_finitel:
?S: This variable conditionally defines the HAS_FINITEL symbol, which
?S: indicates to the C program that the finitel() routine is available.
?S:.
?C:HAS_FINITEL:
?C: This symbol, if defined, indicates that the finitel routine is
?C: available to check whether a long double is finite
?C: (non-infinity non-NaN).
?C:.
?H:#$d_finitel HAS_FINITEL /**/
?H:.
?LINT:set d_finitel
: see if finitel exists
set finitel d_finitel
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_finitel.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libdbm.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libdbm.U,v $
?RCS: Revision 3.0.1.1 1997/02/28 15:56:57 ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0 1993/08/18 12:08:58 ram
?RCS: Baseline for dist 3.0 netwide release.
```

```

?RCS:
?MAKE:libdbm: test Loc libpth_a
?MAKE: -pick add $@ %<
?S:libdbm:
?S: This variable contains the argument to pass to the loader in order
?S: to get the dbm library routines. If there is no dbm or ndbm
?S: library, it is null.
?S:.
?T:xxx
:
  see if we should include -ldbm
echo " "
if $test -r /usr/lib/libndbm$_a || $test -r /usr/local/lib/libndbm$_a ; then
  echo "-lndbm found." >&4
  libdbm='-lndbm'
elif $test -r /usr/lib/libdbm$_a || $test -r /usr/local/lib/libdbm$_a ; then
  echo "-ldbm found." >&4
  libdbm='-ldbm'
else
  xxx=`./loc libdbm$_a x $libpth`
  case "$xxx" in
  x)
    echo "No dbm library found." >&4
    libdbm=""
    ;;
  *)
    echo "DBM library found in $xxx." >&4
    libdbm="$xxx"
    ;;
  esac
fi

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/libdbm.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_setpgid.U 1 2006-08-24 12:32:52Z rmanfredi $

```

```

?RCS:

```

```

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

```

```

?RCS:

```

```

?RCS: You may redistribute only under the terms of the Artistic Licence,

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```

?RCS: as specified in the README file that comes with the distribution.

```

```

?RCS: You may reuse parts of this distribution only within the terms of

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```

?RCS: that same Artistic Licence; a copy of which may be found at the root

```

```

?RCS: of the source tree for dist 4.0.

```

```

?RCS:

```

```

?RCS: $Log: d_setpgid.U,v $

```

?RCS: Revision 3.0.1.2 1997/02/28 15:41:49 ram  
?RCS: patch61: reworded symbol comments  
?RCS:  
?RCS: Revision 3.0.1.1 1994/01/24 14:06:40 ram  
?RCS: patch16: created  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:56 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_setpgid: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_setpgid:  
?S: This variable conditionally defines the HAS\_SETPGID symbol if the  
?S: setpgid(pid, gpid) function is  
available to set process group ID.  
?S:.  
?C:HAS\_SETPGID:  
?C: This symbol, if defined, indicates that the setpgid(pid, gpid)  
?C: routine is available to set process group ID.  
?C:.  
?H:#\$d\_setpgid HAS\_SETPGID /\*\*/  
?H:.  
?LINT:set d\_setpgid  
: see if setpgid exists  
set setpgid d\_setpgid  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setpgid.U

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_lgamma: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_lgamma:

?S: This variable conditionally defines the HAS\_LGAMMA symbol, which

?S: indicates to the C program that the lgamma() routine is available

?S: for the log gamma function. See also d\_tgamma and d\_lgamma\_r.

?S:.

?C:HAS\_LGAMMA:

?C: This symbol, if defined, indicates that the lgamma routine is

?C: available to do the log gamma function. See also HAS\_TGAMMA and

?C: HAS\_LGAMMA\_R.

?C:.

?H:#\$d\_lgamma HAS\_LGAMMA /\*\*/

```
?H:
?LINT:set d_lgamma
: see if lgamma exists
set lgamma d_lgamma
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_lgamma.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_vfork.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: i_vfork.U,v $
```

```
?RCS: Revision 3.0.1.1 1994/05/06 15:05:44 ram
```

```
?RCS: patch23: avoid inclusion of <vfork.h> if no vfork() used (ADO)
```

```
?RCS:
```

```
?RCS: Revision 3.0 1993/08/18 12:08:50 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:i_vfork: Inhdr d_vfork
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_vfork:
```

```
?S: This variable conditionally defines the I_VFORK symbol, and indicates
```

```
?S: whether a C program should include vfork.h.
```

```
?S:.
```

```
?C:I_VFORK:
```

```
?C: This symbol,
```

```
if defined, indicates to the C program that it should
```

```
?C: include vfork.h.
```

```
?C:.
```

```
?H:#$i_vfork I_VFORK /**/
```

```
?H:.
```

```
: see if this is a vfork system
```

```
case "$d_vfork" in
```

```
"$define")
```

```
set vfork.h i_vfork
```

```
eval $inhdr
```

```
;;
```

```
*)
```

```
i_vfork="$undef"
```

```
::
```

```
esac
```

Found in path(s):

```
*/opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_vfork.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_linuxstd.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
```

```
?RCS:
```

```
?RCS: $Log: d_linuxstd.U,v $
```

```
?RCS: Revision 3.0.1.1 1994/10/29 16:14:05 ram
```

```
?RCS: patch36: created by ADO
```

```
?RCS:
```

```
?MAKE:d_linuxstd: d_stdstdio cppstdin cppflags cppminus \
```

```
contains rm Setvar Findhdr
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_linuxstd:
```

```
?S: This variable conditionally defines USE_LINUX_STDIO if this system
```

```
?S: has a FILE structure declaring _IO_read_base, _IO_read_ptr,
```

```
?S: and _IO_read_end
```

```
in stdio.h.
```

```
?S:.
```

```
?C:USE_LINUX_STDIO:
```

```
?C: This symbol is defined if this system has a FILE structure declaring
```

```
?C: _IO_read_base, _IO_read_ptr, and _IO_read_end in stdio.h.
```

```
?C:.
```

```
?H:#$d_linuxstd USE_LINUX_STDIO /**/
```

```
?H:.
```

```
?T:xxx
```

```
?LINT:set d_linuxstd
```

```
: see if stdio is like that in linux
```

```
case "$d_stdstdio" in
```

```
"$undef")
```

```
echo " "
```

```
xxx=`./findhdr stdio.h`
```

```
$cppstdin $cppflags $cppminus < "$xxx" > stdio.E
```

```

if $contains 'char.*_IO_read_base' stdio.E >/dev/null 2>&1 && \
$contains '_IO_read_ptr' stdio.E >/dev/null 2>&1 && \
$contains '_IO_read_end' stdio.E >/dev/null 2>&1 ; then
    echo "Your stdio looks like linux." >&4
    val="$define"
else
    echo "You don't have linux stdio, either." >&4
    val="$undef"
fi
$rm -f stdio.E
;;
*) val="$undef" ;;
esac

```

```

set d_linuxstd
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_linuxstd.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: i_sysstatvfs.U,v $
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_sysstatvfs: Inhdr Hasfield
?MAKE: -pick add $@ %<
?S:i_sysstatvfs:
?S: This variable conditionally defines the I_SYSSTATVFS symbol,
?S: and indicates whether a C program should include <sys/statvfs.h>.
?S:
?C:I_SYS_STATVFS:
?C: This symbol, if defined, indicates that <sys/statvfs.h> exists and
?C: should be included.
?C:
?H:#$i_sysstatvfs I_SYS_STATVFS /**/
?H:
?LINT:set i_sysstatvfs
: see if this is a sys/statvfs.h system
set sys/statvfs.h i_sysstatvfs
eval $inhdr

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

```



5.30.0/U/perl/i\_sysstatvfs.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: lib.U,v \$

?RCS: Revision 3.0.1.3 1995/09/25 09:16:47 ram

?RCS: patch59: unit is now forced to the top of Configure, if possible

?RCS:

?RCS: Revision 3.0.1.2 1995/01/30 14:38:08 ram

?RCS: patch49: can now handle installation prefix changes (from WED)

?RCS:

?RCS: Revision 3.0.1.1 1994/08/29 16:27:40 ram

?RCS: patch32: now uses installation prefix to set the default

?RCS:

?RCS: Revision 3.0 1993/08/18 12:08:56 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:lib libexp: Getfile

Loc Oldconfig Prefixit Prefixup prefixexp

?MAKE: -pick add \$@ %<

?Y:TOP

?S:lib:

?S: This variable holds the name of the directory in which the user wants

?S: to put public library files for the package in question. It is most

?S: often a local directory such as /usr/local/lib. Programs using this

?S: variable must be prepared to deal with filename expansion.

?S:.

?S:libexp:

?S: This variable is the same as the lib variable, but is filename expanded

?S: at configuration time, for convenient use in your makefiles.

?S:.

: determine where public libraries go

set lib lib

eval \$prefixit

case "\$lib" in

")

dflt=`./loc . ." \$prefixexp/lib /usr/local/lib /usr/lib /lib`

set dflt

eval \$prefixup

```
;;
*) dflt="$lib";;
esac
echo " "
fn=d~
rp="Where do you want to put the public libraries?"
./getfile
lib="$ans"
libexp="$ansexp"
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/lib.U
```

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fma: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fma:

?S: This variable conditionally defines the HAS\_FMA symbol, which

?S: indicates to the C program that the fma() routine is available.

?S:.

?C:HAS\_FMA:

?C: This symbol, if defined, indicates that the fma routine is

?C: available to do the multiply-add function.

?C:.

?H:#\$d\_fma HAS\_FMA /\*\*/

?H:.

?LINT:set d\_fma

: see if fma exists

set fma d\_fma

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_fma.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_gethname.U,v \$

?RCS: Revision 3.0.1.1 1994/10/29 16:13:00 ram

?RCS: patch36: call ./xenix explicitly instead of relying on PATH

?RCS:

?RCS: Revision 3.0 1993/08/18 12:06:11 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_gethname d\_uname d\_phostname aphostname: phostname cat \  
myhostname package d\_portable Loc echo n c +i\_whoami +usrinc \  
Myread Guess Oldconfig Csym

?MAKE: -pick add \$@ %<

?S:d\_gethname:

?S: This variable conditionally defines the HAS\_GETHOSTNAME symbol,  
which

?S: indicates to the C program that the gethostname() routine may be

?S: used to derive the host name.

?S:.

?S:d\_uname:

?S: This variable conditionally defines the HAS\_UNAME symbol, which

?S: indicates to the C program that the uname() routine may be

?S: used to derive the host name.

?S:.

?S:d\_phostname:

?S: This variable conditionally defines the PHOSTNAME symbol, which

?S: contains the shell command which, when fed to popen(), may be

?S: used to derive the host name.

?S:.

?S:aphostname:

?S: This variable contains the command which can be used to compute the

?S: host name. The command is fully qualified by its absolute path, to make

?S: it safe when used by a process with super-user privileges.

?S:.

?C:HAS\_GETHOSTNAME (GETHOSTNAME):

?C: This symbol, if defined, indicates that the C program may use the

?C: gethostname() routine to derive the host name. See also HAS\_UNAME

?C: and PHOSTNAME.

?C:.

?C:HAS\_UNAME (UNAME):

?C: This symbol, if defined, indicates that the C program may

use the

?C: uname() routine to derive the host name. See also HAS\_GETHOSTNAME

?C: and PHOSTNAME.

?C:.

?C:PHOSTNAME:

?C: This symbol, if defined, indicates that the C program may use the

?C: contents of PHOSTNAME as a command to feed to the popen() routine

?C: to derive the host name. See also HAS\_GETHOSTNAME and HAS\_UNAME.

?C: Note that the command uses a fully qualified path, so that it is safe

?C: even if used by a process with super-user privileges.

?C:.

?H:#\$d\_gethname HAS\_GETHOSTNAME /\*\*/

?H:#\$d\_uname HAS\_UNAME /\*\*/

?H:#\$d\_phostname PHOSTNAME "\$aphostname" /\* How to get the host name \*/

?H:.

?T:file val call

?LINT:change i\_whoami

: see how we will look up host name

echo " "

if false; then

: dummy stub to allow use of elif

@if HAS\_GETHOSTNAME

elif set gethostname val -f d\_gethname; eval \$csym; \$val; then

echo 'gethostname() found.' >&4

d\_gethname="\$define"

call=gethostname

@end

@if HAS\_UNAME

elif set uname val -f d\_uname; eval \$csym; \$val; then

if ./xenix; then

\$cat <<'EOM'

uname()

was found, but you're running xenix, and older versions of xenix

have a broken uname(). If you don't really know whether your xenix is old

enough to have a broken system call, use the default answer.

EOM

dflt=y

case "\$d\_uname" in

"\$define") dflt=n;;

esac

rp='Is your uname() broken?'

. ./myread

case "\$ans" in

n\*) d\_uname="\$define"; call=uname;;

esac

else

echo 'uname() found.' >&4

d\_uname="\$define"

call=uname

fi

@end

fi

case "\$d\_gethname" in

") d\_gethname="\$undef";;

```

esac
case "$d_uname" in
") d_uname="$undef";;
esac
@if PHOSTNAME || MYHOSTNAME
case "$d_uname$d_gethname" in
*define*)
dflt=n
cat <<EOM

```

Every now and then someone has a \$call() that lies about the hostname but can't be fixed for political or economic reasons. If you wish, I can

```

@if MYHOSTNAME && PHOSTNAME
pretend $call() isn't there and maybe compile in the hostname or
compute it from the '$phostname' command at run-time.
@elsif MYHOSTNAME
pretend $call() isn't there and maybe compile
in the hostname.
@elsif PHOSTNAME
pretend $call() isn't there and maybe compute hostname at run-time
thanks to the '$phostname' command.
@elsif WHOAMI
get the hostname from whomai.h (provided you have one).
@else
simply ignore your host name and use something like "noname" instead.
@end

```

```

EOM
rp="Shall I ignore $call() from now on?"
./myread
case "$ans" in
y*) d_uname="$undef" d_gethname="$undef"; $echo $n "Okay...$c";;
esac;;
esac
@end
@if PHOSTNAME || aphostname
?X: Compute the full path name for the command
case "$phostname" in
") aphostname="";;
*) case "$aphostname" in
/*) ;;
*) set X $phostname
shift
file=$1
shift
file=`./loc $file $file $pth`
aphostname=`echo $file $*`
;;

```

```

esac
;;
esac
@end
@if PHOSTNAME && MYHOSTNAME
case "$d_underscore$d_gethostname" in
*define*) ;;
*)
case "$phostname" in
") ;;
*)
$cat <<EOT

```

There is no gethostname() or uname() on this system. You have two possibilities at this point:

- 1) You can have your host name (\$myhostname) compiled into \$package, which lets \$package start up faster, but makes your binaries non-portable, or
- 2) you can have \$package use a

```
popen("$aphostname","r")
```

which will start slower but be more portable.

```
@ if WHOAMI
```

Option 1 will give you the option of using whoami.h if you have one.

```
@ end
```

If you want option 2 but with a different command, you can edit config.sh at the end of this shell script.

```
EOT
```

```

case "$d_phostname" in
"$define") dflt=n;;
"$undef") dflt=y;;
")
case "$d_portable" in
"$define") dflt=n ;;
*) dflt=y ;;
esac;;
esac
rp="Do you want your host name compiled in?"
./myread
case "$ans" in
n*) d_phostname="$define" ;;
*) aphostname=""; d_phostname="$undef";;
esac;;
esac

```

```

case "$phostname" in
")
@ if WHOAMI
case "$i_whoami" in
"$define")
dflt=y
$cat <<EOM

```

No hostname function--you can either use the whoami.h file, which has this line:

```
`grep sysname $usrinc/whoami.h`
```

or you can have the name we came up with earlier  
(\$myhostname) hardwired in.

```

EOM
rp="Use whoami.h to get hostname?"
./myread
case "$ans" in
n*) i_whoami="$undef";;
esac
;;
"$undef")
$cat <<EOM

```

No hostname function and no whoami.h -- hardwiring "\$myhostname".

```

EOM
;;
esac;;
@ else
echo 'No hostname function -- hardwiring "$myhostname".' >&4;;
@ end
esac;;
esac
@elsif PHOSTNAME
case "$d_undef$d_gethname" in
*define*);;
*)
case "$phostname" in
")
@ if WHOAMI
case "$i_whoami" in
"$define")
$cat <<EOM

```

No hostname function--we'll use the whoami.h file, which has this line:

```
`grep sysname $usrinc/whoami.h`
```

```
EOM
```

```

;;
*) echo "There will be no way for $package to get your hostname." >&4;;
esac;;
@ else
echo "There will be no way for $package to get your hostname." >&4;;
@ end
*)
echo "I'll use 'popen('"'$aphostname"', "r")' to get your hostname." >&4
;;
esac;;
esac
@elsif MYHOSTNAME
case "$d_uname$d_gethname" in
*define*) ;;
*)
@ if WHOAMI
case "$i_whoami" in
"$define")
dflt=y
$cat
<<EOM

```

No hostname function--you can either use the whoami.h file, which has this line:

```
`grep sysname $usrinc/whoami.h`
```

or you can have the name we came up with earlier (\$myhostname) hardwired in.

EOM

```

rp="Use whoami.h to get hostname?"
. ./myread
case "$ans" in
n*) i_whoami="$undef";;
esac
;;
"$undef")
echo 'No whoami.h--hardwiring "'$myhostname"'.' >&4;;
esac;;
@ else
echo 'Hardwiring "'$myhostname"'.' >&4;;
@ end
esac
@end
case "$d_phostname" in
") d_phostname="$undef";;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
```



5.30.0/dist/U/d\_gethname.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_fgetpos.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_fgetpos.U,v $
?RCS: Revision 3.0.1.1 1994/06/20 06:57:33 ram
?RCS: patch30: created
?RCS:
?MAKE:d_fgetpos: Inlibc
?MAKE:-pick add $@ %<
?S:d_fgetpos:
?S: This variable conditionally defines HAS_FGETPOS if fgetpos() is
?S: available to get the file position indicator.
?S:.
?C:HAS_FGETPOS:
?C: This symbol, if defined, indicates that the fgetpos routine is
?C: available to get the file position indicator, similar to ftell().
?C:.
?H:#$d_fgetpos
HAS_FGETPOS /**/
?H:.
?LINT:set d_fgetpos
: see if fgetpos exists
set fgetpos d_fgetpos
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_fgetpos.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libflex.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: libflex.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 15:57:48 ram

?RCS: patch61: replaced .a with \$\_a all over the place

?RCS:

?RCS: Revision 3.0.1.2 1994/05/06 15:07:02 ram

?RCS: patch23: now uses full library path instead of -l notation

?RCS:

?RCS: Revision 3.0.1.1 1994/01/24 14:13:25 ram

?RCS: patch16: un-obsolete this unit to allow smooth lex/flex compilations

?RCS:

?RCS: Revision 3.0 1993/08/18 12:08:59 ram

?RCS: Baseline for dist 3.0 netwide  
release.

?RCS:

?MAKE:libflex: Loc lex libpth \_a

?MAKE: -pick add \$@ %<

?S:libflex:

?S: This variable contains the argument to pass to the loader in order  
?S: to get the flex/lex library routines. If there is no flex or flex  
?S: library, it is null.

?S:.

?T:xxx

: see if we should include -fl

echo " "

case "\$lex" in

\*flex)

xxx=`./loc libfl\$\_a x \$libpth`

case "\$xxx" in

x)

echo "No flex library found." >&4

libflex="

::

\*)

echo "flex library found in \$xxx." >&4

libflex="\$xxx"

::

esac

::

\*lex)

xxx=`./loc libl\$\_a x \$libpth`

case "\$xxx" in

x)

echo "No lex library found." >&4

libflex="

::

\*)

```

echo "lex library found in $xxx." >&4
libflex="$xxx"
;;
esac
;;
*)
echo "You don't seem to have lex or flex, so I won't look for libraries." >&4
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/libflex.U
```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_sysconf.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_sysconf.U,v $
?RCS: Revision 3.0.1.1 1994/10/29 16:15:57 ram
?RCS: patch36: created by ADO
?RCS:
?MAKE:d_sysconf: Inlibc
?MAKE: -pick add $@ %<
?S:d_sysconf:
?S: This variable conditionally defines the HAS_SYSCONF symbol, which
?S: indicates to the C program that the sysconf() routine is available
?S: to determine system related limits and options.
?S:.
?C:HAS_SYSCONF:
?C: This
symbol, if defined, indicates that sysconf() is available
?C: to determine system related limits and options.
?C:.
?H:#$d_sysconf HAS_SYSCONF /**/
?H:.
?LINT:set d_sysconf
: see if sysconf exists
set sysconf d_sysconf

```

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_sysconf.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: lseektype.U,v 3.0.1.1 1994/08/29 16:30:10 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: lseektype.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:30:10 ram

?RCS: patch32: now uses new Typedef unit to compute type information

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:08 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:lseektype lseeksize: Myread Typedef cat Compile rm\_try longsize run

?MAKE: -pick add \$@ %<

?S:lseektype:

?S: This variable defines lseektype to be something like off\_t, long,

?S: or whatever type is used to declare

lseek offset's type in the

?S: kernel (which also appears to be lseek's return type).

?S:.

?S:lseeksize:

?S: This variable defines lseektype to be something like off\_t, long,

?S: or whatever type is used to declare lseek offset's type in the

?S: kernel (which also appears to be lseek's return type).

?S:.

?C:Off\_t (LSEEKTYPE):

?C: This symbol holds the type used to declare offsets in the kernel.

?C: It can be int, long, off\_t, etc... It may be necessary to include

?C: <sys/types.h> to get any typedef'ed information.

?C:.

?C:LSEEKSIZE:

?C: This symbol holds the number of bytes used by the Off\_t.

?C:.

?C:Off\_t\_size:

?C: This symbol holds the number of bytes used by the Off\_t.

?C:.

```

?H:#define Off_t $lseektype /* <offset> type */
?H:#define LSEEKSIZE $lseeksize /* <offset> size */
?H:#define Off_t_size $lseeksize /* <offset> size */
?H:.
?F:!try
?LINT:set lseektype
: see what type lseek is declared as in the kernel
rp="What is the type used for lseek's offset on this system?"
set off_t lseektype
long stdio.h sys/types.h
eval $typedef_ask

echo " "
echo "Checking to see how big your file offsets are..." >&4
$cat >try.c <<EOCP
#include <sys/types.h>
#include <stdio.h>
int main()
{
    printf("%d\n", (int)sizeof($lseektype));
    return(0);
}
EOCP
set try
if eval $compile_ok; then
    lseeksize=`$run ./try`
    echo "Your file offsets are $lseeksize bytes long."
else
    dflt=$longsize
    echo " "
    echo "(I can't seem to compile the test program. Guessing...)"
    rp="What is the size of your file offsets (in bytes)?"
    ./myread
    lseeksize="$ans"
fi
$rm_try

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/lseektype.U

```

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?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_grp.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:20 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:i\_grp: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_grp:

?S: This variable conditionally defines the I\_GRP symbol, and indicates

?S: whether a C program should include <grp.h>.

?S:.

?C:I\_GRP:

?C: This symbol, if defined, indicates to the C program that it should

?C: include <grp.h>.

?C:.

?H:#\$i\_grp I\_GRP /\*\*/

?H:.

?LINT:set i\_grp

: see if this is an grp system

set grp.h i\_grp

eval \$inhdr

Found

in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_grp.U

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?RCS:

?MAKE:d\_fmax: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fmax:

?S: This variable conditionally defines the HAS\_FMAX symbol, which

?S: indicates to the C program that the fmax() routine is available.

?S:.

?C:HAS\_FMAX:

?C: This symbol, if defined, indicates that the fmax routine is

?C: available to do the maximum function.

?C:.

?H:#\$d\_fmax HAS\_FMAX /\*\*/

?H:.

?LINT:set d\_fmax

: see if fmax exists

```
set fmax d_fmax
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_fmax.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_sysresrc.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
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```

```
?RCS:
```

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?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: i_sysresrc.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:08:34 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?X:
```

```
?X: Look wether <sys/resource.h> needs to be included
```

```
?X:
```

```
?MAKE:i_sysresrc: Inhdr
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_sysresrc:
```

```
?S: This variable conditionally defines the I_SYS_RESOURCE symbol,
```

```
?S: and indicates whether a C program should include <sys/resource.h>.
```

```
?S:.
```

```
?C:I_SYS_RESOURCE (I_SYSRESOURCE):
```

```
?C: This symbol, if defined, indicates
```

```
to the C program that it should
```

```
?C: include <sys/resource.h>.
```

```
?C:.
```

```
?H:#$i_sysresrc I_SYS_RESOURCE /**/
```

```
?H:.
```

```
?LINT:set i_sysresrc
```

```
: see if sys/resource.h has to be included
```

```
set sys/resource.h i_sysresrc
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_sysresrc.U
```

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Found in path(s):

- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_stdbool.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_isinf.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_isless.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_prctl.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_pthratrj.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/ebcdic/ebcdic.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_strtoll.U
- \*
- /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_strtouq.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_nl\_langinfo\_l.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_strtoull.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_dlssymun.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_pthread\_atfork.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_isfinite.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_off64\_t.U
- \*
- /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_libm\_lib\_version.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_ptrdiff\_t.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fcntl\_can\_lock.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fpos64\_t.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_signbit.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_pthread\_y.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/time\_size.U
- \* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-



5.30.0/U/perl/d\_isnan.U

\*

/opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/modified/d\_longlong.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/perl/d\_futimes.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/perl/d\_isnormal.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/modified/d\_union\_semun.U

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/perl/d\_cplusplus.U

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?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_gconvert.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 15:33:38 ram

?RCS: patch61: integrated new unit from perl5

?RCS:

?RCS: Revision 3.0.1.2 1995/07/25 13:55:59 ram

?RCS: patch56: improved comments about the Gconvert macro (ADO)

?RCS: patch56: force compile-link test since it may exist but be unusable (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 16:12:51 ram

?RCS: patch36: created by ADO

?RCS:

?MAKE:d\_Gconvert:

cat cc cflags ldflags libs rm\_try \_o

?MAKE: -pick add \$@ %<

?S:d\_Gconvert:

?S: This variable holds what Gconvert is defined as to convert

?S: floating point numbers into strings. It could be 'gconvert'

?S: or a more complex macro emulating gconvert with gcvt() or sprintf.

?S:.

?C:Gconvert:

?C: This preprocessor macro is defined to convert a floating point

?C: number to a string without a trailing decimal point. This

```

?C: emulates the behavior of sprintf("%g"), but is sometimes much more
?C: efficient. If gconvert() is not available, but gcvt() drops the
?C: trailing decimal point, then gcvt() is used. If all else fails,
?C: a macro using sprintf("%g") is used. Arguments for the Gconvert
?C: macro are: value, number of digits, whether trailing zeros should
?C: be retained, and the output buffer.
?C: Possible values are:
?C: d_Gconvert='gconvert((x),(n),(t),(b))'
?C: d_Gconvert='gcvt((x),(n),(b))'
?C: d_Gconvert='sprintf((b),"%.*g",(n),(x))'
?C: The last two assume trailing zeros should
    not be kept.
?C:.
?H:#define Gconvert(x,n,t,b) $d_Gconvert
?H:.
?T: xxx_list xxx_convert
?F:!try
?X:
: Check how to convert floats to strings.
echo " "
echo "Checking for an efficient way to convert floats to strings."
?X: We want to be sure to drop trailing decimal points (perl5
?X: needs this).
$cat >try.c <<'EOP'
#ifdef TRY_gconvert
#define Gconvert(x,n,t,b) gconvert((x),(n),(t),(b))
char *myname = "gconvert";
#endif
#ifdef TRY_gcvt
#define Gconvert(x,n,t,b) gcvt((x),(n),(b))
char *myname = "gcvt";
#endif
#ifdef TRY_sprintf
#define Gconvert(x,n,t,b) sprintf((b),"%.*g",(n),(x))
char *myname = "sprintf";
#endif

#include <stdio.h>

int
checkit(expect, got)
char *expect;
char *got;
{
    if (strcmp(expect, got)) {
        printf("%s oddity: Expected %s, got %s\n",
            myname, expect, got);
        exit(1);
    }
}

```

```

}
}

int
int main()
{
char buf[64];
buf[63] = '\0';

/* This must be 1st test on (which?) platform */
/* Alan Burlison <AlanBurlsin@unn.unisys.com> */
Gconvert(0.1, 8, 0, buf);
checkit("0.1",
buf);

Gconvert(1.0, 8, 0, buf);
checkit("1", buf);

Gconvert(0.0, 8, 0, buf);
checkit("0", buf);

Gconvert(-1.0, 8, 0, buf);
checkit("-1", buf);

/* Some Linux gcvt's give 1.e+5 here. */
Gconvert(100000.0, 8, 0, buf);
checkit("100000", buf);

/* Some Linux gcvt's give -1.e+5 here. */
Gconvert(-100000.0, 8, 0, buf);
checkit("-100000", buf);

exit(0);
}
EOP
?X: List of order in which to search for functions.
?X: Usual order of efficiency is gconvert gcvt sprintf
?X: Respect a previous or hinted value.
case "$d_Gconvert" in
gconvert*) xxx_list='gconvert gcvt sprintf' ;;
gcvt*) xxx_list='gcvt gconvert sprintf' ;;
sprintf*) xxx_list='sprintf gconvert gcvt' ;;
*) xxx_list='gconvert gcvt sprintf' ;;
esac

for xxx_convert in $xxx_list; do
echo "Trying $xxx_convert"
$rm_try

```

```

if $cc $cflags -DTRY_`$xxx_convert` $ldflags -o try \
try.c $libs > /dev/null 2>&1 ; then
echo "$xxx_convert" found. >&4
if ./try; then
echo "I'll use $xxx_convert to convert floats
into a string." >&4
break;
else
echo "...But $xxx_convert didn't work as I expected."
fi
else
echo "$xxx_convert NOT found." >&4
fi
done

```

```

case "$xxx_convert" in
gconvert) d_Gconvert='gconvert((x),(n),(t),(b))' ;;
gcvt) d_Gconvert='gcvt((x),(n),(b))' ;;
*) d_Gconvert='sprintf((b),"%.*g",(n),(x))' ;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_gconvert.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_semop.U 1 2006-08-24 12:32:52Z rmanfredi \$

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?RCS:

?RCS: \$Log: d\_semop.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:05 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_semop: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_semop:

?S: This variable conditionally defines the HAS\_SEMOP symbol, which

?S: indicates to the C program that the semop() routine is available.

?S:.

?C:HAS\_SEMOP:

?C: This symbol, if defined, indicates that the semop() routine is

?C: available to execute semaphore operations.

?C:.

?H:#\$d\_semop

HAS\_SEMOP /\*\*/

?H:.

?LINT:set d\_semop

: see if semop exists

set semop d\_semop

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_semop.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getpent.U,v 3.0 1993/08/18 12:06:09 ram Exp \$

?RCS:

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?RCS:

?RCS: \$Log: d\_getpent.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:09 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_getpent: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getpent:

?S: This variable conditionally defines HAS\_GETPROTOENT if getprotoent() is

?S: available to look up protocols in some data base or another.

?S:.

?C:HAS\_GETPROTOENT:

?C: This symbol, if defined, indicates that the getprotoent() routine is

?C: available to look up protocols in some data base

or another.

?C:.

?H:#\$d\_getpent HAS\_GETPROTOENT /\*\*/

?H:.

?LINT:set d\_getpent

: see if getprotoent exists

set getprotoent d\_getpent

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_getpent.U

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?RCS:

?X: This unit generates a \$hasstruct string that is used internally

?X: by Configure to check if this system has a field for a

?X: particular struct (of if this system has a particular struct!)

?X:

?X: To use it, say something like:

?X: set d\_statblocks stat i\_sysstat sys/stat.h

?X: eval \$hasstruct

?X: Or, for more complicated sets of headers, do something like

?X: hdrs="\$define sys/foo.h

?X: \$i\_sysbar sys/bar.h

?X: \$i\_syszot sys/zot.h

?X: \$i\_zappa zappa.h"

?X: set d\_statblocks stat \$hdrs

?X: eval \$hasstruct

?X:

?MAKE:Hasstruct: Setvar rm\_try test Compile

?MAKE: -pick add \$@ %<

?T:varname struct

?V:hasstruct

: Define hasstruct macro for Configure internal use

hasstruct='varname=\$1; struct=\$2; shift;

shift;

while \$test \$# -ge 2; do

case "\$1" in

\$define) echo "#include <\$2>";;

esac ;

shift 2;

done > try.c;

echo "int main () { struct \$struct foo; }" >> try.c;

set try;

if eval \$compile; then

val="\$define";

else

val="\$undef";

fi;

set \$varname;

eval \$setvar;

\$rm\_try'

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/Hasstruct.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_varhdr.U 1 2006-08-24 12:32:52Z rmanfredi \$

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_varhdr.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 15:54:42 ram

?RCS: patch61: varargs script now starts with leading "startsh"

?RCS:

?RCS: Revision 3.0.1.2 1994/10/29 16:21:02 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS:

?RCS: Revision 3.0.1.1 1994/05/13 15:26:05 ram

?RCS: patch27: this unit now supersedes old i\_stdarg.U and i\_varargs.U

?RCS: patch27: modified to avoid spurious Whoa warnings (ADO)

?RCS:

?RCS: Revision 3.0

1993/08/18 12:08:49 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:i\_stdarg i\_varargs i\_varhdr: cat +cc +ccflags rm test Setvar \

Findhdr startsh \_o

?MAKE: -pick add \$@ %<

?S:i\_stdarg:

?S: This variable conditionally defines the I\_STDARG symbol, which

?S: indicates to the C program that <stdarg.h> exists and should

?S: be included.

?S:.

?S:i\_varargs:

?S: This variable conditionally defines I\_VARARGS, which indicates

?S: to the C program that it should include <varargs.h>.

?S:.

?S:i\_varhdr:

?S: Contains the name of the header to be included to get va\_dcl definition.

?S: Typically one of varargs.h or stdarg.h.

?S:.

?C:I\_STDARG:

?C: This symbol, if defined, indicates that <stdarg.h> exists and should

?C: be included.

?C:.

?C:I\_VARARGS:

?C: This symbol, if defined, indicates to the C program that it should

?C: include <varargs.h>.

?C:.

?H:#\$i\_stdarg I\_STDARG /\*\*/

?H:#\$i\_varargs I\_VARARGS /\*\*/

?H:.

?W:%<:va\_dcl

?F:!varargs

?T:valstd

?LINT:set i\_stdarg i\_varargs

?X:

?X:

Don't use setvar because the varargs test below might override these.

?X: Actually, the messages here are just informative. We don't wish to set

?X: i\_varargs or i\_stdarg to their final value before knowing which of the

?X: two we'll include.

?X:

: see if stdarg is available

echo " "

if \$test `./findhdr stdarg.h`; then

echo "<stdarg.h> found." >&4

valstd="\$define"

else

echo "<stdarg.h> NOT found." >&4

valstd="\$undef"

fi

: see if varargs is available

echo " "

if \$test `./findhdr varargs.h`; then

echo "<varargs.h> found." >&4

else

echo "<varargs.h> NOT found, but that's ok (I hope)." >&4

fi

?X:

?X: if you have stdarg.h, you need to support prototypes to actually use it;

?X: but if stdarg.h exists and the compiler doesn't support prototypes (for some

?X: bizarre reason), we'll fall back to varargs.h anyway so it's not so bad.

?X:

: set up the varargs testing programs

\$cat > varargs.c <<EOP

#ifdef I\_STDARG



```

#include <stdarg.h>
#endif
#ifdef I_VARARGS
#include <varargs.h>
#endif

#ifdef
I_STDARG
int f(char *p, ...)
#else
int f(va_alist)
va_dcl
#endif
{
va_list ap;
#ifdef I_STDARG
char *p;
#endif
#ifdef I_STDARG
va_start(ap,p);
#else
va_start(ap);
p = va_arg(ap, char *);
#endif
va_end(ap);
return 0;
}
EOP
$cat > varargs <<EOP
$startsh
if $cc -c $ccflags -D$1 varargs.c >/dev/null 2>&1; then
echo "true"
else
echo "false"
fi
$rm -f varargs$_o
EOP
chmod +x varargs

: now check which varargs header should be included
echo " "
i_varhdr="
val="
case "$valstd" in
"$define")
if `./varargs I_STDARG`; then
val='stdarg.h'
elif `./varargs I_VARARGS`; then

```

```

    val='varargs.h'
fi
;;
*)
if `./varargs I_VARARGS`; then
    val='varargs.h'
fi
;;
esac
case "$val" in
")
echo " "
echo "*** WHOA THERE!!! ***" >&4
echo "  Your C compiler \"$cc\" doesn't seem to support stdarg or varargs!" >&4
case "$knowitall" in
")
echo "  I'm giving up; maybe you can try again with a different compiler?" >&4
exit 1
;;
esac
echo "I could not find the definition for va_dcl...
You have problems..." >&4
val="$undef"; set i_stdarg; eval $setvar
val="$undef"; set i_varargs; eval $setvar
;;
*)
set i_varhdr
eval $setvar
case "$i_varhdr" in
stdarg.h)
val="$define"; set i_stdarg; eval $setvar
val="$undef"; set i_varargs; eval $setvar
;;
varargs.h)
val="$undef"; set i_stdarg; eval $setvar
val="$define"; set i_varargs; eval $setvar
;;
esac
echo "We'll include <$i_varhdr> to get va_dcl definition." >&4;;
esac
$rm -f varargs*

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/i_varhdr.U

```

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?RCS: \$Id\$

```

?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_time.U,v $
?RCS: Revision 3.0.1.2 1995/07/25 14:07:43 ram
?RCS: patch56: typo fix, sytem -> system
?RCS:
?RCS: Revision 3.0.1.1 1994/10/29 16:16:38 ram
?RCS: patch36: now uses new Typedef unit to compute type information (ADO)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:07:45 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X: Maybe <sys/types.h> should be included?
?X:INC: i_systypes
?MAKE:d_time timetype: Csym Setvar Findhdr Myread Typedef
?MAKE: -pick add $@ %<
?S:d_time:
?S: This
    variable conditionally defines the HAS_TIME symbol, which indicates
?S: that the time() routine exists. The time() routine is normally
?S: provided on UNIX systems.
?S:.
?S:timetype:
?S: This variable holds the type returned by time(). It can be long,
?S: or time_t on BSD sites (in which case <sys/types.h> should be
?S: included). Anyway, the type Time_t should be used.
?S:.
?C:HAS_TIME (TIMER):
?C: This symbol, if defined, indicates that the time() routine exists.
?C:.
?C:Time_t (TIMETYPE):
?C: This symbol holds the type returned by time(). It can be long,
?C: or time_t on BSD sites (in which case <sys/types.h> should be
?C: included).
?C:.
?H:#$d_time HAS_TIME /**/
?H:#define Time_t $timetype /* Time type */
?H:.
?LINT:set d_time
: see if time exists
echo " "

```

```

if set time val -f d_time; eval $csym; $val; then
echo 'time() found.' >&4
val="$define"
set time_t timetype long stdio.h sys/types.h
eval $typedef
dflt="$timetype"
echo " "
rp="What type is returned by time() on this
system?"
./myread
timetype="$ans"
else
echo 'time() not found, hope that will do.' >&4
val="$undef"
timetype='int';
fi
set d_time
eval $setvar

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_time.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_strstr.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS:

?RCS: \$Log: d\_strstr.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:37 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_strstr: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_strstr:

?S: This variable conditionally defines HAS\_STRSTR if strstr() is

?S: available to find substrings.

?S:.

?C:HAS\_STRSTR (STRSTR):

?C: This symbol, if defined, indicates that the strstr routine is

?C: available to find substrings.

?C:.

?H:#\$d\_strstr HAS\_STRSTR /\*\*/

?H:.

?LINT:set d\_strstr

:

see if strstr exists

set strstr d\_strstr

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_strstr.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: nis.U,v 3.0.1.3 1997/02/28 16:17:38 ram Exp \$

?RCS:

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?RCS:

?RCS: \$Log: nis.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 16:17:38 ram

?RCS: patch61: ensure suitable defaults for hostcat and friends

?RCS:

?RCS: Revision 3.0.1.2 1995/03/21 08:48:34 ram

?RCS: patch52: continued fix for NeXT NIS/NetInfo handling

?RCS:

?RCS: Revision 3.0.1.1 1995/02/15 14:16:23 ram

?RCS: patch51: now correctly handles NeXT using NIS rather than NetInfo

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:24 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:passcat

groupcat hostcat: Myread Oldconfig test contains

?MAKE: -pick add \$@ %<

?S:passcat:

?S: This variable contains a command that produces the text of the

?S: /etc/passwd file. This is normally "cat /etc/passwd", but can be

?S: "ypcat passwd" when NIS is used.

?S: On some systems, such as os390, there may be no equivalent

?S: command, in which case this variable is unset.

?S:.

?S:groupcat:

?S: This variable contains a command that produces the text of the

?S: /etc/group file. This is normally "cat /etc/group", but can be  
 ?S: "ypcat group" when NIS is used.

?S: On some systems, such as os390, there may be no equivalent  
 ?S: command, in which case this variable is unset.

?S:.

?S:hostcat:

?S: This variable contains a command that produces the text of the  
 ?S: /etc/hosts file. This is normally "cat /etc/hosts", but can be  
 ?S: "ypcat hosts" when NIS is used.

?S: On some systems, such as os390, there may be no equivalent  
 ?S: command, in which case this variable is unset.

?S:.

:

see if we have to deal with yellow pages, now NIS.

?X: NeXT gives us some fun here, as always, by having both NIS (former YP)  
 ?X: and NetInfo. But since it has both, it's ok to put the test inside the if.

?X: Contributed by Thomas Neumann <tom@smart.bo.open.de>.

```
if $test -d /usr/etc/yp || $test -d /etc/yp || $test -d /usr/lib/yp; then
@if passcat || groupcat
case "$passcat" in
nidump*) ;;
*)
case "$passcat" in
*ypcat*) dflt=y;;
") if $contains '\+' /etc/passwd >/dev/null 2>&1; then
dflt=y
else
dflt=n
fi;;
*) dflt=n;;
esac
echo " "
rp='Are you getting the passwd file via yellow pages?'
./myread
case "$ans" in
y*) passcat='ypcat passwd'
@if groupcat
echo "(Assuming /etc/group is also distributed.)"
groupcat='ypcat group'
@end
;;
*) passcat='cat /etc/passwd'
@if groupcat
echo "(Assuming /etc/group is also local.)"
groupcat='cat /etc/group'
@end
;;
esac
```

```

;;
esac
@end
@if hostcat
case "$hostcat" in
nidump*) ;;
*)
case
"$hostcat" in
*yocat*) dflt=y;;
") if $contains '\+' /etc/passwd >/dev/null 2>&1; then
dflt=y
else
dflt=n
fi;;
*) dflt=n;;
esac
echo " "
rp='Are you getting the hosts file via yellow pages?'
./myread
case "$ans" in
y*) hostcat='yocat hosts';;
*) hostcat='cat /etc/hosts';;
esac
;;
esac
@end
fi
?X: Ensure suitable default -- Manoj Srivastava
case "$hostcat" in
") test -f /etc/hosts && hostcat='cat /etc/hosts';;
esac
case "$groupcat" in
") test -f /etc/group && groupcat='cat /etc/group';;
esac
case "$passcat" in
") test -f /etc/passwd && passcat='cat /etc/passwd';;
esac

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/nis.U

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?RCS: of the source tree for dist 4.0.  
?RCS:  
?MAKE:d\_mkostemp: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_mkostemp:  
?S: This variable conditionally defines HAS\_MKOSTEMP if mkostemp() is  
?S: available to exclusively create and open a uniquely named (with a  
?S: suffix) temporary file.  
?S:.  
?C:HAS\_MKOSTEMP:  
?C: This symbol, if defined, indicates that the mkostemp routine is  
?C: available to exclusively create and open a uniquely named (with a  
?C: suffix) temporary file.  
?C:.  
?H:#\$d\_mkostemp HAS\_MKOSTEMP /\*\*/  
?H:.  
?LINT:set d\_mkostemp  
: see if mkostemp exists  
set mkostemp d\_mkostemp  
eval \$inlibc

#### Found

in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_mkostemp.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_wifstat.U,v 3.0.1.3 1997/02/28 15:47:43 ram Exp \$  
?RCS:  
?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
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?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: d\_wifstat.U,v \$  
?RCS: Revision 3.0.1.3 1997/02/28 15:47:43 ram  
?RCS: patch61: added a ?F: metalint hint  
?RCS:  
?RCS: Revision 3.0.1.2 1995/07/25 14:09:10 ram  
?RCS: patch56: re-arranged compile line to include ldflags before objects  
?RCS:  
?RCS: Revision 3.0.1.1 1995/03/21 08:47:46 ram  
?RCS: patch52: created



```

?RCS:
?MAKE:d_wifstat: Compile d_uwait Oldconfig cat rm
?MAKE: -pick add $@ %<
?S:d_wifstat:
?S: This symbol conditionally defines USE_WIFSTAT
if the C program can
?S: safely use the WIFxxx macros with the kind of wait() parameter
?S: declared in the program (see UNION_WAIT), or if it can't. Should
?S: only matter on HP-UX, where the macros are incorrectly written and
?S: therefore cause programs using them with an 'union wait' variable
?S: to not compile properly.
?S:.
?C:USE_WIFSTAT:
?C: This symbol, if defined, indicates to the C program that the argument
?C: for the WIFxxx set of macros such as WIFSIGNALED or WIFEXITED can
?C: be of the same kind as the one used to hold the wait() status. Should
?C: only matter on HP-UX, where the macros are incorrectly written and
?C: therefore cause programs using them with an 'union wait' variable
?C: to not compile properly. See also UNION_WAIT.
?C:.
?H:#$d_wifstat USE_WIFSTAT /**/
?H:.
?T:type
?F:!foo
: see if we can use WIFxxx macros
echo " "
case "$d_wifstat" in
"$define") echo "As before, you can safely use WIFEXITED and friends!" >&4;;
"$undef") echo "You still can't use WIFEXITED
and friends!" >&4;;
*)
echo "Let's see whether you can use the WIFEXITED(status) macro and its"
case "$d_uwait" in
"$define") type='union wait';
*) type='int';;
esac
echo "friends with status declared as '$type status'..."
$cat >foo.c <<EOCP
#include <sys/types.h>
#include <sys/wait.h>

int main()
{
$type status;
int e = 0;

#ifdef WIFEXITED
if (WIFEXITED(status))

```

```

printf("\n");
exit(0);
#else
exit(2);
#endif
}
EOCP
d_wifstat="$undef"
set foo
if eval $compile; then
if ./foo >/dev/null; then
echo "Great! Looks like we can use the WIFxxx macros." >&4
d_wifstat="$define"
else
echo "You don't seem to have WIFxxx macros, but that's ok." >&4
fi
else
echo "Apparently you can't use WIFxxx macros properly." >&4
fi
$rm -f foo.* foo core
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_wifstat.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: sitebin.U,v \$

?RCS:

?RCS: Copyright (c) 1999 Andy Dougherty

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: sitebin.U,v \$

?RCS:

?MAKE:sitebin sitebinexp installsitebin : Getfile Oldconfig \

Setprefixvar siteprefix

?MAKE: -pick add \$@ %<

?Y:TOP

?D:sitebin="

?S:sitebin:

?S: This variable holds the name of the directory in which the user wants

?S: to put add-on publicly executable files for the package in question. It

?S: is most often a local directory such as /usr/local/bin. Programs using

?S: this variable must be prepared to deal with ~name substitution.

?S: The standard distribution will put nothing  
in this directory.

?S: After perl has been installed, users may install their own local

?S: executables in this directory with

?S: MakeMaker Makefile.PL

?S: or equivalent. See INSTALL for details.

?S:.

?D:sitebinexp="

?S:sitebinexp:

?S: This is the same as the sitebin variable, but is filename expanded at

?S: configuration time, for use in your makefiles.

?S:.

?D:installsitebin="

?S:installsitebin:

?S: This variable is usually the same as sitebinexp, unless you are on

?S: a system running AFS, in which case they may differ slightly. You

?S: should always use this variable within your makefiles for portability.

?S:.

?LINT:change prefixvar

?LINT:set installsitebin

?LINT:set sitebin

?LINT:set sitebinexp

: determine where add-on public executables go

case "\$sitebin" in

) dflt=\$siteprefix/bin ;;

\*) dflt=\$sitebin ;;

esac

fn=d~

rp='Pathname where the add-on public executables should be installed?'

./getfile

prefixvar=sitebin

./setprefixvar

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/sitebin.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2001 Jarkko Hietaniemi

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?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_flockproto: Hasproto i\_sysfile

?MAKE: -pick add \$@ %<

?S:d\_flockproto:

?S: This variable conditionally defines the HAS\_FLOCK\_PROTO symbol,

?S: which indicates to the C program that the system provides

?S: a prototype for the flock() function. Otherwise, it is

?S: up to the program to supply one.

?S:.

?C:HAS\_FLOCK\_PROTO:

?C: This symbol, if defined, indicates that the system provides

?C: a prototype for the flock() function. Otherwise, it is up

?C: to the program to supply one. A good guess is

?C: extern int flock(int,

int);

?C:.

?H:#\$d\_flockproto HAS\_FLOCK\_PROTO /\*\*/

?H:.

?LINT:set d\_flockproto

: see if prototype for flock is available

echo " "

set d\_flockproto flock \$i\_sysfile sys/file.h

eval \$hasproto

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_flockproto.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_mntent.U,v \$

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?RCS:

?MAKE:i\_mntent: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i\_mntent:

?S: This variable conditionally defines the I\_MNTENT symbol, and indicates

?S: whether a C program should include <mntent.h>.

?S:.

?C:I\_MNTENT:

?C: This symbol, if defined, indicates that <mntent.h> exists and

?C: should be included.

?C:.

?H:#\$i\_mntent I\_MNTENT /\*\*/

```
?H:
?LINT:set i_mntent
: see if this is a mntent.h system
set mntent.h i_mntent
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_mntent.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: vendorhtml1dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1999, Andy Dougherty
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?RCS: $Log: vendorhtml1dir.U,v $
```

```
?RCS: Revision 1.1 1999/07/08 18:32:57 doughera
```

```
?RCS: Initial revision
```

```
?RCS:
```

```
?MAKE:vendorhtml1dir vendorhtml1direxp installvendorhtml1dir: html1dir Getfile \
```

```
Setprefixvar Oldconfig Prefixit test vendorprefix prefix sed
```

```
?MAKE: -pick add $@ %<
```

```
?Y:TOP
```

```
?S:vendorhtml1dir:
```

```
?S: This variable contains the name of the directory for html
```

```
?S: pages. It may have a ~ on the front.
```

```
?S: The standard distribution will put nothing in this
directory.
```

```
?S: Vendors who distribute perl may wish to place their own
```

```
?S: html pages in this directory with
```

```
?S: MakeMaker Makefile.PL INSTALLDIRS=vendor
```

```
?S: or equivalent. See INSTALL for details.
```

```
?S:.
```

```
?S:vendorhtml1direxp:
```

```
?S: This variable is the ~name expanded version of vendorhtml1dir, so that you
```

```
?S: may use it directly in Makefiles or shell scripts.
```

```
?S:.
```

```
?D:installvendorhtml1dir="
```

```
?S:installvendorhtml1dir:
```

```
?S: This variable is really the same as vendorhtml1direxp but may differ on
```

```
?S: those systems using AFS. For extra portability, only this variable
```

```
?S: should be used in makefiles.
```

```

?S:.
?LINT:change prefixvar
?LINT:set installvendorhtml1dir
: Set the vendorhtml1dir variables
case "$vendorprefix" in
") vendorhtml1dir="
vendorhtml1direxp="
;;
*) : determine where vendor-supplied html pages go.
: There is no standard location, so try to copy the previously-selected
: directory structure for the core html pages.
: XXX Better default suggestions would be welcome.
case "$vendorhtml1dir"
in
") dflt=`echo "$html1dir" | $sed "s#^$prefix#$vendorprefix#" ` ;;
*) dflt=$vendorhtml1dir ;;
esac
case "$dflt" in
"|' ') dflt=none ;;
esac
fn=dn+~
rp='Pathname for the vendor-supplied html pages?'
./getfile
vendorhtml1dir="$ans"
vendorhtml1direxp="$ansexp"
;;
esac
: Use ' ' for none so value is preserved next time through Configure
$test X"$vendorhtml1dir" = "X" && vendorhtml1dir=' '
prefixvar=vendorhtml1dir
./installprefix

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/vendorhtml1dir.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: Warn_v7ND.U 1 2006-08-24 12:32:52Z rmanfredi $

```

```

?RCS:

```

```

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

```

```

?RCS:

```

```

?RCS: You may redistribute only under the terms of the Artistic Licence,

```

```

?RCS: as specified in the README file that comes with the distribution.

```

```

?RCS: You may reuse parts of this distribution only within the terms of

```

```

?RCS: that same Artistic Licence; a copy of which may be found at the root

```

```

?RCS: of the source tree for dist 4.0.

```

```

?RCS:

```

```

?RCS: $Log: Warn_v7ND.U,v $

```

```
?RCS: Revision 3.0.1.1 1994/10/29 16:01:46 ram
?RCS: patch36: call ./v7 explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:18 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit warns V7 sites that they may not have a non-blocking read.
?X: This unit needs to be mentioned in End.U to get included.
?X:
?MAKE:Warn_v7ND: package Guess
?MAKE: -pick add $@ %<
: Warnings
if ./v7; then
cat
<<EOM
```

NOTE: many V7 systems do not have a way to do a non-blocking read. If you don't have any of FIONREAD, O\_NDELAY, or rdchk(), the \$package package may not work as well as it might. It might not work at all.

```
EOM
fi
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Warn_v7ND.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_tzmin.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_tzmin.U,v $
?RCS: Revision 3.0.1.1 1994/10/29 16:16:58 ram
?RCS: patch36: call ./bsd explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0 1993/08/18 12:07:49 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_tzmin: contains cppstdin cppminus timeincl rm Setvar Guess
?MAKE: -pick add $@ %<
?S:d_tzmin:
```

?S: This symbol conditionally defines TZ\_MINUTESWEST if the system uses

?S: tz\_minuteswest in time header instead of timezone.

?S:.

?C:TZ\_MINUTESWEST:

?C: This

symbol is defined if this system uses tz\_minuteswest

?C: in time header instead of timezone.

?C: If not defined, you may have to use struct timeb and ftime() rather

?C: than the new gettimeofday() system call.

?C:.

?H:#\$d\_tzmin TZ\_MINUTESWEST /\*\*/

?H:.

?LINT:set d\_tzmin

: see if tz\_minuteswest is defined in time header

echo " "

val="\$undef"

\$cppstdin \$cppminus < \$timeincl > try 2>&1

if \$contains 'tz\_minuteswest' try >/dev/null 2>&1; then

echo "You have tz\_minuteswest defined in \$timeincl rather than timezone." >&4

val="\$define"

elif \$contains 'timezone' try >/dev/null 2>&1; then

echo "You have timezone defined in \$timeincl rather than tz\_minuteswest." >&4

else

echo "Your \$timeincl file looks strange." >&4

fi

if ./bsd; then

case "\$d\_tzmin" in

"\$undef") echo "(Maybe your system is an USG one after all?)";;

esac

fi

set d\_tzmin

eval \$setvar

\$rm -f try

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_tzmin.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getnbyad.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_getnbyname: Inlibc

?MAKE: -pick add \$@ %<



?S:d\_getbyname:  
?S: This variable conditionally defines the HAS\_GETNETBYNAME symbol, which  
?S: indicates to the C program that the getnetbyname() routine is available  
?S: to look up networks by their names.  
?S:.  
?C:HAS\_GETNETBYNAME:  
?C: This symbol, if defined, indicates that the getnetbyname() routine is  
?C: available to look up networks by their names.  
?C:.  
?H:#\$d\_getbyname HAS\_GETNETBYNAME /\*\*/  
?H:.  
?LINT:set d\_getbyname  
: see if getnetbyname exists  
set getnetbyname d\_getbyname  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_getbynym.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_setnet.U,v 3.0 1993/08/18 12:06:09 ram Exp \$  
?RCS:  
?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: d\_setnet.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:09 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_setnet: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_setnet:  
?S: This variable conditionally defines HAS\_SETNETENT if setnetent() is  
?S: available.  
?S:.  
?C:HAS\_SETNETENT:  
?C: This symbol, if defined, indicates that the setnetent() routine is  
?C: available.  
?C:.  
?H:#\$d\_setnet HAS\_SETNETENT /\*\*/  
?H:.  
?LINT:set d\_setnet

```
: see if setnetent exists
set
setnetent d_setnet
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_setnet.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Extractall.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: Extractall.U,v $
```

```
?RCS: Revision 3.0.1.1 1997/02/28 15:00:43 ram
```

```
?RCS: patch61: created
```

```
?RCS:
```

```
?X:
```

```
?X: If extraction has been requested, load the configuration file, perform
```

```
?X: the extraction and exit.
```

```
?X:
```

```
?X: This unit was originally a part of Options.U. It had to be removed from
```

```
?X: it to prevent a dependency cycle: Extract -> src -> Options -> Extract
```

```
?X: The Begin.U unit now requires us before beginning to do anything
```

```
?X: interesting, to ensure
```

```
proper semantics. -- RAM, 15/03/96
```

```
?X:
```

```
?MAKE:Extractall: Extract Options
```

```
?MAKE: -pick wipe $@ %<
```

```
: extract files and exit if asked to do so
```

```
case "$extractsh" in
```

```
true)
```

```
?X: Undo the forced silent=true when -S was supplied, by probing realsilent
```

```
?X: which was set iff -s was also given. See Options.U for details.
```

```
case "$realsilent" in
```

```
true) ;;
```

```
*) exec 1>&4;;
```

```
esac
```

```
case "$config_sh" in
```

```
") config_sh='config.sh';;
```

```
esac
```

```

echo " "
echo "Fetching answers from $config_sh..."
cd ..
. $config_sh
?X: extract has to be run from the top directory, not within UU.
. UU/optdef.sh
echo " "
?X: extract has to be run from the top directory, not within UU.
. UU/extract
rm -rf UU
echo "Extraction done."
exit 0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Extractall.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_setservent\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_setservent\_r setservent\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_setservent\_r:

?S: This variable conditionally defines the HAS\_SETSERVENT\_R symbol,

?S: which indicates to the C program that the setservent\_r()

?S: routine is available.

?S:.

?S:setservent\_r\_proto:

?S: This variable encodes the prototype of setservent\_r.

?S: It is zero if d\_setservent\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_setservent\_r

?S: is defined.

?S:.

?C:HAS\_SETSERVENT\_R:

?C: This symbol, if defined, indicates that the setservent\_r routine

?C: is

available to setservent re-entrantly.

?C:.

?C:SETSERVENT\_R\_PROTO:

```

?C: This symbol encodes the prototype of setservent_r.
?C: It is zero if d_setservent_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_setservent_r
?C: is defined.
?C:.
?H:#$d_setservent_r HAS_SETSERVENT_R /**/
?H:#define SETSERVENT_R_PROTO $setservent_r_proto /**/
?H:.
?T:try hdrs d_setservent_r_proto
: see if setservent_r exists
set setservent_r d_setservent_r
eval $inlibc
case "$d_setservent_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_netdb netdb.h"
case "$d_setservent_r_proto:$usethreads" in
":define") d_setservent_r_proto=define
set d_setservent_r_proto setservent_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_setservent_r_proto" in
define)
case "$setservent_r_proto" in
"|0) try='int setservent_r(int, struct servent_data*);'
./protochk "$extern_C $try" $hdrs && setservent_r_proto=L_ID ;;
esac
case "$setservent_r_proto" in
"|0) try='void
setservent_r(int, struct servent_data*);'
./protochk "$extern_C $try" $hdrs && setservent_r_proto=V_ID ;;
esac
case "$setservent_r_proto" in
"|0) d_setservent_r=undef
setservent_r_proto=0
echo "Disabling setservent_r, cannot determine prototype." >&4 ;;
*) case "$setservent_r_proto" in
REENTRANT_PROTO*) ;;
*) setservent_r_proto="REENTRANT_PROTO_$setservent_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "setservent_r has no prototype, not using it." >&4 ;;
esac
d_setservent_r=undef
setservent_r_proto=0

```

```
;;
esac
;;
*) setservent_r_proto=0
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_setservent_r.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999, Jarkko Hietaniemi

?RCS:

?RCS: This file is included with or a derivative work of a file included

?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.

?RCS: In accordance with clause 7 of dist's modified Artistic License:

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:multiarch: osname

?MAKE: -pick add \$@ %<

?S:multiarch:

?S: This variable conditionally defines the MULTIARCH symbol

?S: which signifies the presence of multiplatform files.

?S: This is normally set by hints files.

?S:.

?C:MULTIARCH:

?C: This symbol, if defined, signifies that the build

?C: process will produce some binary files that are going to be

?C: used in a cross-platform environment. This is the case for

?C: example with the NeXT "fat" binaries that contain executables

?C: for

several CPUs.

?C:.

?H:#\$multiarch MULTIARCH /\*\*/

?H:.

: Check if is a multiplatform env

case "\$osname" in

darwin) multiarch="\$define" ;;

esac

case "\$multiarch" in

"|[nN]\*) multiarch="\$undef" ;;

esac

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/a\_dvisory/multiarch.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: archlib.U,v 3.1 1999/07/08 18:32:29 doughera Exp doughera \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: This file is included with or a derivative work of a file included

?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.

?RCS: In accordance with clause 7 of dist's modified Artistic License:

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: archlib.U,v \$

?RCS: Revision 3.1 1999/07/08 18:32:29 doughera

?RCS: Updated for perl5.005\_5x

?RCS:

?RCS:

?RCS: Revision 3.0.1.4 1995/09/25 09:15:18 ram

?RCS: patch59: unit is now forced to the top of Configure, if possible

?RCS:

?RCS: Revision 3.0.1.3 1995/02/15 14:14:14 ram

?RCS: patch51: architecture name is now  
computed by a separate unit

?RCS:

?RCS: Revision 3.0.1.2 1995/01/30 14:32:22 ram

?RCS: patch49: archname is now systematically recomputed

?RCS: patch49: can now handle installation prefix changes (from WED)

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 16:02:36 ram

?RCS: patch36: created by ADO

?RCS:

?MAKE:d\_archlib archlib archlibexp installarchlib: \  
cat Getfile Setprefixvar Loc Oldconfig archname spackage \  
privlib sed test Prefixit Prefixup binexp

?MAKE: -pick add \$@ %<

?Y:TOP

?S:d\_archlib:

?S: This variable conditionally defines ARCHLIB to hold the pathname

?S: of architecture-dependent library files for \$package. If

?S: \$archlib is the same as \$privlib, then this is set to undef.

?S:.

?D:archlib="

?S:archlib:  
 ?S: This variable holds the name of the directory in which the user wants  
 ?S: to put architecture-dependent public library files for \$package.  
 ?S: It is most often a local directory such as /usr/local/lib.  
 ?S: Programs using this variable must be prepared to deal  
 ?S: with  
 filename expansion.  
 ?S:.  
 ?D:archlibexp="  
 ?S:archlibexp:  
 ?S: This variable is the same as the archlib variable, but is  
 ?S: filename expanded at configuration time, for convenient use.  
 ?S:.  
 ?D:installarchlib="  
 ?S:installarchlib:  
 ?S: This variable is really the same as archlibexp but may differ on  
 ?S: those systems using AFS. For extra portability, only this variable  
 ?S: should be used in makefiles.  
 ?S:.  
 ?C:ARCHLIB:  
 ?C: This variable, if defined, holds the name of the directory in  
 ?C: which the user wants to put architecture-dependent public  
 ?C: library files for \$package. It is most often a local directory  
 ?C: such as /usr/local/lib. Programs using this variable must be  
 ?C: prepared to deal with filename expansion. If ARCHLIB is the  
 ?C: same as PRIVLIB, it is not defined, since presumably the  
 ?C: program already searches PRIVLIB.  
 ?C:.  
 ?C:ARCHLIB\_EXP:  
 ?C: This symbol contains the ~name expanded version of ARCHLIB, to be used  
 ?C: in programs that are not prepared to deal with ~ expansion  
 at run-time.  
 ?C:.  
 ?H:#\$d\_archlib ARCHLIB "\$archlib" /\*\*/  
 ?H:#\$d\_archlib ARCHLIB\_EXP "\$archlibexp" /\*\*/  
 ?H:.  
 ?T: tdfit  
 ?LINT:change prefixvar  
 ?LINT:set archlib  
 ?LINT:set archlibexp  
 ?LINT:set installarchlib  
 : determine where public architecture dependent libraries go  
 set archlib archlib  
 eval \$prefixit  
 : privlib default is /usr/local/lib/\$package/\$version  
 : archlib default is /usr/local/lib/\$package/\$version/\$archname  
 : privlib may have an optional trailing /share.  
 tdfit=`echo \$privlib | \$sed 's,/share\$,,'`

```

tdflt=${dflt}/${sarchname}
case "$sarchlib" in
") dflt=${dflt}
;;
*) dflt="$sarchlib"
;;
esac
$cat <<EOM

```

\$spackage contains architecture-dependent library files. If you are sharing libraries in a heterogeneous environment, you might store these files in a separate location. Otherwise, you can just include them with the rest of the public library files.

```

EOM
?X: Force dependency on bin.U
fn=$binexp
fn=d+~
rp='Where do you want to put the public architecture-dependent libraries?'
.
./getfile
prefixvar=archlib
./setprefixvar
if $test X"$sarchlib" = X"$privlib"; then
d_archlib="$undef"
else
d_archlib="$define"
fi

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/archlib.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_times.U,v 3.0.1.2 1995/07/25 14:07:50 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: d_times.U,v $
?RCS: Revision 3.0.1.2 1995/07/25 14:07:50 ram
?RCS: patch56: typo fix, sytem -> system
?RCS:

```



```

?RCS: Revision 3.0.1.1 1994/08/29 16:14:00 ram
?RCS: patch32: now uses new Typedef unit to compute type information
?RCS:
?RCS: Revision 3.0 1993/08/18 12:07:46 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: What is the type returned by times() ?
?X:
?X: Force inclusion of <sys/types.h>
?X:INC: i_systypes
?MAKE:d_times clocktype:
    Csym Myread Typedef i_systimes
?MAKE: -pick add $@ %<
?S:d_times:
?S: This variable conditionally defines the HAS_TIMES symbol, which indicates
?S: that the times() routine exists. The times() routine is normally
?S: provided on UNIX systems. You may have to include <sys/times.h>.
?S:.
?S:clocktype:
?S: This variable holds the type returned by times(). It can be long,
?S: or clock_t on BSD sites (in which case <sys/types.h> should be
?S: included).
?S:.
?C:HAS_TIMES (TIMES):
?C: This symbol, if defined, indicates that the times() routine exists.
?C: Note that this became obsolete on some systems (SUNOS), which now
?C: use getrusage(). It may be necessary to include <sys/times.h>.
?C:.
?C:Clock_t (CLOCKTYPE):
?C: This symbol holds the type returned by times(). It can be long,
?C: or clock_t on BSD sites (in which case <sys/types.h> should be
?C: included).
?C:.
?H:#$d_times HAS_TIMES /**/
?H:#define Clock_t $clocktype /* Clock time */
?H:.
?T:val inc
: see if times exists
echo "
"
if set times val -f d_times; eval $csym; $val; then
echo 'times() found.' >&4
d_times="$define"
inc="
case "$i_systimes" in
"$define") inc='sys/times.h';;
esac

```

```
rp="What is the type returned by times() on this system?"
set clock_t clocktype long stdio.h sys/types.h $inc
eval $typedef_ask
else
echo 'times() NOT found, hope that will do.' >&4
d_times="$undef"
?X: The following is needed for typedef (won't like an empty variable)
clocktype='int'
fi
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/d_times.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_frexp: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_frexp:

?S: This variable conditionally defines the HAS\_FREXP symbol, which

?S: indicates to the C program that the frexp() routine is available.

?S:.

?C:HAS\_FREXP:

?C: This symbol, if defined, indicates that the frexp routine is

?C: available to break a long double floating-point number into

?C: a normalized fraction and an integral power of 2.

?C:.

?H:#\$d\_frexp HAS\_FREXP /\*\*/

?H:.

?LINT:set d\_frexp

: see if frexp exists

set frexp d\_frexp

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_frexp.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_syscall.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_syscall.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:07:42 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_syscall: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_syscall:  
?S: This variable conditionally defines HAS\_SYSCALL if syscall() is  
?S: available call arbitrary system calls.  
?S:.  
?C:HAS\_SYSCALL (SYSCALL):  
?C: This symbol, if defined, indicates that the syscall routine is  
?C: available to call arbitrary system calls. If undefined, that's tough.  
?C:.  
?H:#\$d\_syscall  
HAS\_SYSCALL /\*\*/  
?H:.  
?LINT:set d\_syscall  
: see if syscall exists  
set syscall d\_syscall  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_syscall.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_sysioctl.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: i\_sysioctl.U,v \$  
?RCS: Revision 3.0.1.2 1994/05/06 15:04:57 ram  
?RCS: patch23: added knowledge for <sys/filio.h> (WED)  
?RCS: patch23: optimized amount of findhdr calls

?RCS:  
?RCS: Revision 3.0.1.1 1993/11/10 17:36:09 ram  
?RCS: patch14: now use a compiler check for TIOCNOTTY because of HP-UX 9.x  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:08:32 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:i\_sysioctl i\_bsdioclt i\_sysfilio i\_syssockio  
d\_voidtty: test contains \  
cat i\_termio i\_termios i\_sgtty Setvar Findhdr +cc rm Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_sysioctl:  
?S: This variable conditionally defines the I\_SYS\_IOCTL symbol, which  
?S: indicates to the C program that <sys/ioctl.h> exists and should  
?S: be included.  
?S:.  
?S:i\_sysfilio:  
?S: This variable conditionally defines the I\_SYS\_FILIO symbol, which  
?S: indicates to the C program that <sys/filio.h> exists and should  
?S: be included in preference to <sys/ioctl.h>.  
?S:.  
?S:i\_bsdioclt:  
?S: This variable conditionally defines the I\_SYS\_BSDIOCTL symbol, which  
?S: indicates to the C program that <sys/bsdioclt.h> exists and should  
?S: be included.  
?S:.  
?S:i\_syssockio:  
?S: This variable conditionally defines I\_SYS\_SOCKIO to indicate to the  
?S: C program that socket ioctl codes may be found in <sys/sockio.h>  
?S: instead of <sys/ioctl.h>.  
?S:.  
?S:d\_voidtty:  
?S: This variable conditionally defines USE\_IOCTLTY to indicate that the  
?S: ioctl() call with TIOCNOTTY should be used  
?S: to void tty association.  
?S: Otherwise (on USG probably), it is enough to close the standard file  
?S: descriptors and do a setpgrp().  
?S:.  
?C:I\_SYS\_IOCTL (I\_SYS\_IOCTL):  
?C: This symbol, if defined, indicates that <sys/ioctl.h> exists and should  
?C: be included. Otherwise, include <sgtty.h> or <termio.h>.  
?C:.  
?C:I\_SYS\_FILIO:  
?C: This symbol, if defined, indicates that <sys/filio.h> exists and  
?C: should be included instead of <sys/ioctl.h>.  
?C:.  
?C:I\_SYS\_BSDIOCTL (I\_BSDIOCTL):  
?C: This symbol, if defined, indicates that <sys/bsdioclt.h> exists and should

?C: be included. Otherwise, try <sys/ioctl.h>. This is primarily intended for

?C: definitions of sockets options, like SIOCATMARK.

?C:.

?C:I\_SYS\_SOCKIO (I\_SYSSOCKIO):

?C: This symbol, if defined, indicates the <sys/sockio.h> should be included

?C: to get socket ioctl options, like SIOCATMARK.

?C:.

?C:USE\_TIOCNOTTY (VOIDTTY):

?C: This symbol, if defined indicate to the C program that the ioctl()

?C: call with TIOCNOTTY should be used

to void tty association.

?C: Otherwise (on USG probably), it is enough to close the standard file

?C: descriptors and do a setpgrp().

?C:.

?H:#\$i\_sysioctl I\_SYS\_IOCTL /\*\*/

?H:#\$i\_sysfilio I\_SYS\_FILIO /\*\*/

?H:#\$i\_bsdioclt I\_SYS\_BSDIOCTL /\*\*/

?H:#\$i\_syssockio I\_SYS\_SOCKIO /\*\*/

?H:#\$d\_voidtty USE\_TIOCNOTTY /\*\*/

?H:.

?T:xxx

: see if ioctl defs are in sgty, termio, sys/filio or sys/ioctl

?LINT:set i\_sysfilio

set sys/filio.h i\_sysfilio

eval \$inhdr

echo " "

if \$test `./findhdr sys/ioctl.h`; then

val="\$define"

echo '<sys/ioctl.h> found.' >&4

else

val="\$undef"

if \$test \$i\_sysfilio = "\$define"; then

echo '<sys/ioctl.h> NOT found.' >&4

else

\$test \$i\_sgty = "\$define" && xxx="sgty.h"

\$test \$i\_termio = "\$define" && xxx="termio.h"

\$test \$i\_termios = "\$define" && xxx="termios.h"

echo "No <sys/ioctl.h> found, assuming ioctl args are defined in <\$xxx>." >&4

fi

fi

?LINT:set i\_sysioctl

set i\_sysioctl

eval \$setvar

@if I\_BSDIOCTL || i\_bsdioclt

?X:

?X: The only machine I know where this

```

inclusion was necessary is a
?X: BULL DPX 5000 (a French machine).
?X:
: see if socket ioctl defs are in sys/bsdioc1 or sys/ioc1
echo " "
xxx=`./findhdr sys/bsdioc1.h`
if $test "$xxx"; then
if $contains SIOCATMARK $xxx >/dev/null 2>&1; then
val="$define"
echo "You have socket ioctls defined in <sys/bsdioc1.h>." >&4
else
val="$undef"
echo "No socket ioctls found in <sys/bsdioc1.h>." >&4
fi
else
val="$undef"
echo "<sys/bsdioc1.h> not found, but that's ok." >&4
fi
?LINT:set i_bsdioc1
set i_bsdioc1
eval $setvar

@end
@if I_SYSSOCKIO || i_syssockio
: see if socket ioctl defs are in sys/sockio.h
echo " "
xxx=`./findhdr sys/sockio.h`
if $test "$xxx"; then
if $contains SIOCATMARK $xxx >/dev/null 2>&1; then
val="$define"
echo "You have socket ioctls defined in <sys/sockio.h>." >&4
else
val="$undef"
echo "No socket ioctls found in <sys/sockio.h>." >&4
fi
else
val="$undef"
@if I_BSDIOCTL
case "$i_bsdioc1" in
"$define") $cat <<EOM
<sys/sockio.h> not found, using
ioctls from <sys/bsdioc1.h>.
EOM
;;
*) $cat <<EOM
<sys/sockio.h> not found, assuming socket ioctls are in <sys/ioc1.h>.
EOM
;;

```

```

esac
@else
$cat <<EOM
<sys/sockio.h> not found, assuming socket ioctls are in <sys/ioctl.h>.
EOM
@end
fi
?LINT:set i_syssockio
set i_syssockio
eval $setvar

@end
@if VOIDTTY || d_voidtty
: check how to void tty association
echo " "
case "$i_sysioctl" in
"$define") xxx='sys/ioctl.h';
?X: otherwise $xxx was set during the determination of i_sysioctl, above.
esac
?X:
?X: Can't use $contains here since HP-UX 9.x has TIOCNOTTY between a pair
?X: of #ifdef/#endif and is never actually defined. Oh well...
?X:
$cat > tcio.c <<EOM
#include <sys/types.h> /* Just in case */
#include <$xxx>

int main()
{
#ifdef TIOCNOTTY
exit(0);
#else
exit(1);
#endif
}
EOM
if ($cc -o tcio tcio.c && ./tcio) >/dev/null 2>&1; then
val="$define"
echo "TIOCNOTTY found in <$xxx>." >&4
echo "Using ioctl() call on /dev/tty to void tty association." >&4
else
val="$undef"
echo "Closing
standard file descriptors should void tty association." >&4
fi
?LINT:set d_voidtty
set d_voidtty
eval $setvar

```

\$rm -f tcio tcio.? core

@end

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_sysioctl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: filexp.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: filexp.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:08 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:filexp: privlib

?MAKE: -pick add \$@ %<

?S:filexp:

?S: This symbol contains the full pathname of the filexp script, in case we

?S: are saving the script for posterity.

?S:.

: must not allow self reference

case "\$privlib" in

/\*)

filexp=\$privlib/filexp

::

\*)

filexp=`pwd`/filexp

::

esac

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/filexp\_path.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2001, Jarkko Hietaniemi

?RCS:



?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?MAKE:d\_sigprocmask: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_sigprocmask:  
?S: This variable conditionally defines HAS\_SIGPROCMASK  
?S: if sigprocmask() is available to examine or change the signal mask  
?S: of the calling process.  
?S:.  
?C:HAS\_SIGPROCMASK:  
?C: This symbol, if defined, indicates that the sigprocmask  
?C: system call is available to examine or change the signal mask  
?C: of the calling process.  
?C:.  
?H:#\$d\_sigprocmask HAS\_SIGPROCMASK /\*\*/  
?H:.  
?LINT:set d\_sigprocmask  
: see if sigprocmask exists  
set sigprocmask d\_sigprocmask  
eval  
\$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_sigprocmask.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_getpwent.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:17 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_getpwent: Csym Setvar  
?MAKE: -pick add \$@ %<  
?S:d\_getpwent:

?S: This variable conditionally defines the HAS\_GETPWENT symbol, which

?S: indicates to the C program that it should use the getpwent()

?S: routine instead of the getpw() routine.

?S:.

?C:HAS\_GETPWENT (GETPWENT):

?C: This symbol, if defined, indicates that the getpwent() routine

?C: should be used instead of the getpw()

routine.

?C:.

?H:#\$d\_getpwent HAS\_GETPWENT /\*\*/

?H:.

?LINT:set d\_getpwent

: see if there is a getpwent

echo " "

if set getpwent val -f d\_getpwent; eval \$csym; \$val; then

echo "getpwent() found." >&4

val="\$define"

else

echo "No getpwent() found -- will use getpw() instead." >&4

val="\$undef"

fi

set d\_getpwent

eval \$setvar

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_getpwent.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_passwd.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_passwd.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 15:37:21 ram

?RCS: patch61: useless unit dropped.

?RCS:

?RCS: Revision 3.0.1.1 1994/08/29 16:09:51 ram

?RCS: patch32: created by ADO

?RCS:

?X:

?X: Useless unit dropped.

?X:

?LINT:empty

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_passwd.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Obsol\_sh.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Obsol\_sh.U,v \$

?RCS: Revision 3.0 1993/08/18 12:05:11 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This file is prepended to .MT/Obsol\_sh if that file is not empty. That file

?X: contains the necessary mappings of new symbols to obsolete ones.

?X:

?MAKE:Obsol\_sh:

?MAKE: -pick prepend \$@ ./Obsol\_sh

?LINT:nocomment

#

# The following symbols are obsolete. They are mapped to the the new

# symbols only to ease the transition process.

The sources should be

# updated so as to use the new symbols only, since supporting of those

# obsolete symbols may end without notice.

#

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Obsol\_sh.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_speedopt.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

```

?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_speedopt.U,v $
?RCS: Revision 3.0.1.1 1994/10/29 16:15:51 ram
?RCS: patch36: call ./Cpplib explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0 1993/08/18 12:07:27 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_speedopt: Myread Cpplib Oldconfig cat models Setvar
?MAKE: -pick add $@ %<
?S:d_speedopt:
?S: This variable conditionally defines the SPEED_OVER_MEM symbol, which
?S: indicates to the C program that it can
    burn memory in order to save
    CPU time.
?S:
?C:SPEED_OVER_MEM (SPEEDOVERMEM):
?C: This symbol, if defined, indicates that the program can use more
?C: memory in order to reduce CPU time. The symbol doesn't say whether
?C: we are more interested in saving text space or data space.
?C:
?H:#$d_speedopt SPEED_OVER_MEM /**/
?H:
?LINT:set d_speedopt
: do we want speed at the expense of memory
$cat <<'EOM'

```

I can try to optimize this package for either speed or memory. If you have limited address space you may wish to optimize for memory. Otherwise you should probably optimize for speed.

```

EOM
case "$d_speedopt" in
") if ./Cpplib $smallmach; then
case "$models" in
*large*|*huge*) dflt=speed;;
*) dflt=memory;;
esac
else
dflt=speed
fi
;;
*define*) dflt=speed;;

```

```
*) dflt=memory;;
esac
rp="What to optimize for?"
./myread
case "$ans" in
mem*) val="$undef";;
*) val="$define";;
esac
set d_speedopt
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_speedopt.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_getspnam: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getspnam:

?S: This variable conditionally defines HAS\_GETSPNAM if getspnam() is

?S: available to retrieve SysV shadow password entries by name.

?S:.

?C:HAS\_GETSPNAM:

?C: This symbol, if defined, indicates that the getspnam system call is

?C: available to retrieve SysV shadow password entries by name.

?C:.

?H:#\$d\_getspnam HAS\_GETSPNAM /\*\*/

?H:.

?LINT:set d\_getspnam

: see if getspnam exists

set getspnam d\_getspnam

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_getspnam.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 2000 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_qgcvt: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_qgcvt:  
?S: This variable conditionally defines the HAS\_QGCVT symbol, which  
?S: indicates to the C program that the qgcvt() routine is available.  
?S:.  
?C:HAS\_QGCVT:  
?C: This symbol, if defined, indicates that the qgcvt routine is  
?C: available to convert long doubles ("quad doubles") to strings.  
?C: This is a low-level routine hopefully faster than sprintf.  
?C:.  
?H:#\$d\_qgcvt HAS\_QGCVT /\*\*/  
?H:.  
?LINT:set d\_qgcvt  
: see if qgcvt exists  
set qgcvt d\_qgcvt  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_qgcvt.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 2001 Jarkko Hietaniemi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?MAKE:d\_sresgproto: Hasproto i\_unistd  
?MAKE: -pick add \$@ %<  
?S:d\_sresgproto:  
?S: This variable conditionally defines the HAS\_SETRESGID\_PROTO symbol,  
?S: which indicates to the C program that the system provides  
?S: a prototype for the setresgid() function. Otherwise, it is  
?S: up to the program to supply one.  
?S:.

```
?C:HAS_SETRESGID_PROTO:
?C: This symbol, if defined, indicates that the system provides
?C: a prototype for the setresgid() function. Otherwise, it is up
?C: to the program to supply one. Good guesses are
?C: extern
int setresgid(uid_t ruid, uid_t euid, uid_t suid);
?C:.
?H:#$d_sresgproto HAS_SETRESGID_PROTO /**/
?H:.
?LINT:set d_sresgproto
: see if prototype for setresgid is available
echo " "
set d_sresgproto setresgid $i_unistd unistd.h
eval $hasproto
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_sresgproto.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2019 Karl Williamson
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_towupper: Inlibc
?MAKE: -pick add $@ %<
?S:d_towupper:
?S: This variable conditionally defines the HAS_TOWUPPER symbol, which
?S: indicates to the C program that the towupper() routine is available.
?S:.
?C:HAS_TOWUPPER:
?C: This symbol, if defined, indicates that the towupper () routine is
?C: available to do case conversion.
?C:.
?H:#$d_towupper HAS_TOWUPPER /**/
?H:.
?LINT:set d_towupper
: see if towupper exists
set towupper d_towupper
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_towupper.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: privlib.U,v \$

?RCS: Revision 3.0.1.4 1995/09/25 09:17:09 ram

?RCS: patch59: unit is now forced to the top of Configure, if possible

?RCS:

?RCS: Revision 3.0.1.3 1995/01/30 14:44:23 ram

?RCS: patch49: can now handle installation prefix changes (from WED)

?RCS:

?RCS: Revision 3.0.1.2 1994/08/29 16:31:52 ram

?RCS: patch32: now uses installation prefix

?RCS:

?RCS: Revision 3.0.1.1 1993/09/13 16:12:34 ram

?RCS: patch10: added support for /local/lib (WED)

?RCS: patch10: prompt phrasing made

more explicit (WED)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:35 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:privlib privlibexp installprivlib: afs package cat Getfile \

Oldconfig Prefixit test

?MAKE: -pick add \$@ %<

?Y:TOP

?S:privlib:

?S: This variable contains the eventual value of the PRIVLIB symbol,

?S: which is the name of the private library for this package. It may

?S: have a ~ on the front. It is up to the makefile to eventually create

?S: this directory while performing installation (with ~ substitution).

?S:.

?S:privlibexp:

?S: This variable is the ~name expanded version of privlib, so that you

?S: may use it directly in Makefiles or shell scripts.

?S:.

?S:installprivlib:

?S: This variable is really the same as privlibexp but may differ on

?S: those systems using AFS. For extra portability, only this variable

?S: should be used in makefiles.



?S:.

?C:PRIVLIB:

?C: This symbol contains the name of the private library for this package.

?C: The library is

private in the sense that it needn't be in anyone's

?C: execution path, but it should be accessible by the world. The program

?C: should be prepared to do ~ expansion.

?C:.

?C:PRIVLIB\_EXP:

?C: This symbol contains the ~name expanded version of PRIVLIB, to be used

?C: in programs that are not prepared to deal with ~ expansion at run-time.

?C:.

?H:#define PRIVLIB "\$privlib" /\*\*/

?H:#define PRIVLIB\_EXP "\$privlibexp" /\*\*/

?H:.

: determine where private executables go

set dflt privlib lib/\$package

eval \$prefixit

\$cat <<EOM

There are some auxiliary files for \$package that need to be put into a private library directory that is accessible by everyone.

EOM

fn=d~+

rp='Pathname where the private library files will reside?'

./getfile

if \$test "X\$privlibexp" != "X\$ansexp"; then

installprivlib="

fi

privlib="\$ans"

privlibexp="\$ansexp"

if \$afs; then

\$cat <<EOM

Since you are running AFS, I need to distinguish the directory in which

private files reside from the directory in which they are installed

(and from

which they are presumably copied to the former directory by occult means).

EOM

case "\$installprivlib" in

\*) dflt=`echo \$privlibexp | sed 's#^/afs/#/afs/#^';`

\*) dflt="\$installprivlib";

esac

fn=de~

rp='Where will private files be installed?'

./getfile

```
installprivlib="$ans"  
else  
installprivlib="$privlibexp"  
fi
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/privlib.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: longsize.U 1 2006-08-24 12:32:52Z rmanfredi $  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: $Log: longsize.U,v $  
?RCS: Revision 3.0.1.2 1997/02/28 16:09:35 ram  
?RCS: patch61: code moved to intsize.U  
?RCS:  
?RCS: Revision 3.0.1.1 1994/10/29 16:24:31 ram  
?RCS: patch36: added ?F: line for metalint file checking  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:07 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: 'longsize' is now defined within intsize.U  
?X:  
?LINT: empty
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/longsize.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root
```

?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_gethbynm.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:08 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_gethbynm: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_gethbynm (d\_gethstby):  
?S: This variable conditionally defines the HAS\_GETHOSTBYNAME symbol, which  
?S: indicates to the C program that the gethostbyname() routine is available  
?S: to lookup host names in some data base or other.  
?S:.  
?C:HAS\_GETHOSTBYNAME (GETHOSTBYNAME):  
?C: This symbol, if defined, indicates that the gethostbyname()  
routine is  
?C: available to lookup host names in some data base or other.  
?C:.  
?H:\$d\_gethbynm HAS\_GETHOSTBYNAME /\*\*/  
?H:.  
?LINT:set d\_gethbynm  
: see if gethostbyname exists  
set gethostbyname d\_gethbynm  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_gethbynm.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: patchlevel.U,v 3.0.1.1 1997/02/28 16:18:41 ram Exp \$  
?RCS:  
?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
?RCS: This file is included with or a derivative work of a file included  
?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.  
?RCS: In accordance with clause 7 of dist's modified Artistic License:  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?RCS: \$Log: patchlevel.U,v \$  
?RCS: Revision 3.0.1.1 1997/02/28 16:18:41 ram  
?RCS: patch61: added support for src.U  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:31 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:

?MAKE:patchlevel revision version subversion \  
perl\_patchlevel version\_patchlevel\_string \  
api\_revision api\_version api\_subversion api\_versionstring: \  
package test rsrc echo awk osname

?MAKE: -pick  
add \$@ %<

?S:revision:  
?S: The value of revision comes from the patchlevel.h file.  
?S: In a version number such as 5.6.1, this is the "5".  
?S: In patchlevel.h, this is referred to as "PERL\_REVISION".  
?S:.

?S:patchlevel:  
?S: The patchlevel level of this package.  
?S: The value of patchlevel comes from the patchlevel.h file.  
?S: In a version number such as 5.6.1, this is the "6".  
?S: In patchlevel.h, this is referred to as "PERL\_VERSION".  
?S:.

?S:subversion:  
?S: The subversion level of this package.  
?S: The value of subversion comes from the patchlevel.h file.  
?S: In a version number such as 5.6.1, this is the "1".  
?S: In patchlevel.h, this is referred to as "PERL\_SUBVERSION".  
?S: This is unique to perl.  
?S:.

?S:version:  
?S: The full version number of this package, such as 5.6.1 (or 5\_6\_1).  
?S: This combines revision, patchlevel, and subversion to get the  
?S: full version number, including any possible subversions.  
?S: This is suitable for use as a directory name, and hence is  
?S: filesystem  
dependent.  
?S:.

?S:api\_revision:  
?S: The three variables, api\_revision, api\_version, and  
?S: api\_subversion, specify the version of the oldest perl binary  
?S: compatible with the present perl. In a full version string  
?S: such as '5.6.1', api\_revision is the '5'.  
?S: Prior to 5.5.640, the format was a floating point number,  
?S: like 5.00563.  
?S:  
?S: perl.c:incpush() and lib/lib.pm will automatically search in  
?S: \$sitelib/.. for older directories back to the limit specified  
?S: by these api\_ variables. This is only useful if you have a  
?S: perl library directory tree structured like the default one.  
?S: See INSTALL for how this works. The versioned site\_perl  
?S: directory was introduced in 5.005, so that is the lowest  
?S: possible value. The version list appropriate for the current  
?S: system is determined in inc\_version\_list.U.

?S:  
?S: XXX To do: Since compatibility can depend on compile time  
?S: options (such as bincompat, longlong, etc.) it should  
?S: (perhaps) be set by  
?S: Configure, but currently it isn't.  
?S: Currently, we read a hard-wired value from patchlevel.h.  
?S: Perhaps what we ought to do is take the hard-wired value from  
?S: patchlevel.h but then modify it if the current Configure  
?S: options warrant. patchlevel.h then would use an #ifdef guard.  
?S:.  
?S:api\_version:  
?S: The three variables, api\_revision, api\_version, and  
?S: api\_subversion, specify the version of the oldest perl binary  
?S: compatible with the present perl. In a full version string  
?S: such as '5.6.1', api\_version is the '6'. See api\_revision for  
?S: full details. As a special case, 5.5.0 is rendered in the  
?S: old-style as 5.005. (In the 5.005\_0x maintenance series,  
?S: this was the only versioned directory in \$sitelib.)  
?S:.  
?S:api\_subversion:  
?S: The three variables, api\_revision, api\_version, and  
?S: api\_subversion, specify the version of the oldest perl binary  
?S: compatible with the present perl. In a full version string  
?S: such as '5.6.1', api\_subversion is the  
?S: '1'. See api\_revision for  
?S: full details.  
?S:.  
?S:api\_versionstring:  
?S: This variable combines api\_revision, api\_version, and  
?S: api\_subversion in a format such as 5.6.1 (or 5\_6\_1) suitable  
?S: for use as a directory name. This is filesystem dependent.  
?S:.  
?S:perl\_patchlevel:  
?S: This is the Perl patch level, a numeric change identifier,  
?S: as defined by whichever source code maintenance system  
?S: is used to maintain the patches; currently Perforce.  
?S: It does not correlate with the Perl version numbers or  
?S: the maintenance versus development dichotomy except  
?S: by also being increasing.  
?S:.  
?S:version\_patchlevel\_string:  
?S: This is a string combining version, subversion and  
?S: perl\_patchlevel (if perl\_patchlevel is non-zero).  
?S: It is typically something like  
?S: 'version 7 subversion 1' or  
?S: 'version 7 subversion 1 patchlevel 11224'  
?S: It is computed here to avoid duplication of code in myconfig.SH  
?S: and lib/Config.pm.

```

?S:.
?LINT:extern LC_ALL
?LINT:extern LANGUAGE
:
get the patchlevel
echo " "
echo "Getting the current patchlevel..." >&4
if $test -r $src/patchlevel.h;then
revision=`awk '/define[ ]+PERL_REVISION/ {print $3}' $src/patchlevel.h`
patchlevel=`awk '/define[ ]+PERL_VERSION/ {print $3}' $src/patchlevel.h`
subversion=`awk '/define[ ]+PERL_SUBVERSION/ {print $3}' $src/patchlevel.h`
api_revision=`awk '/define[ ]+PERL_API_REVISION/ {print $3}' $src/patchlevel.h`
api_version=`awk '/define[ ]+PERL_API_VERSION/ {print $3}' $src/patchlevel.h`
api_subversion=`awk '/define[ ]+PERL_API_SUBVERSION/ {print $3}' $src/patchlevel.h`
perl_patchlevel=`egrep '(MAINT|SMOKE)[0-9][0-9]*' $src/patchlevel.h|tail -1|sed 's/[^0-9]//g`
else
revision=0
patchlevel=0
subversion=0
api_revision=0
api_version=0
api_subversion=0
perl_patchlevel=0
$echo "(You do not have patchlevel.h. Eek.)"
fi
: Define a handy string here to avoid duplication in myconfig.SH and configpm.
version_patchlevel_string="version $patchlevel subversion $subversion"
case
"$perl_patchlevel" in
0|") ;;
*) perl_patchlevel=`echo $perl_patchlevel | sed 's/.*/'/'`
version_patchlevel_string="$version_patchlevel_string patch $perl_patchlevel"
;;
esac

$echo "(You have $package $version_patchlevel_string.)"

case "$osname" in
dos|vms)
: XXX Should be a Configure test for double-dots in filenames.
version=`echo $revision $patchlevel $subversion | \
$awk '{ printf "%d_%d_%d", $1, $2, $3 }`
api_versionstring=`echo $api_revision $api_version $api_subversion | \
$awk '{ printf "%d_%d_%d", $1, $2, $3 }`
;;
*)
version=`echo $revision $patchlevel $subversion | \
$awk '{ printf "%d.%d.%d", $1, $2, $3 }`

```

```

api_versionstring=`echo $api_revision $api_version $api_subversion | \
  $awk '{ printf "%d.%d.%d", $1, $2, $3 }'`
;;
esac
: Special case the 5.005_xx maintenance series, which used 5.005
: without any subversion label as a subdirectory in $sitelib
if test "${api_revision}${api_version}${api_subversion}" = "550"; then
  api_versionstring='5.005'
fi

```

Found

in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/patchlevel.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Init.U,v 3.0.1.1 1994/10/31 09:45:59 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: Init.U,v \$

?RCS: Revision 3.0.1.1 1994/10/31 09:45:59 ram

?RCS: patch44: removed Options from MAKE to prevent Init overrides

?RCS: patch44: option processing now done after Myinit thanks to new Begin.U

?RCS: patch44: moved "Beginning of configuration questions" to Begin.U

?RCS: patch44: moved signal trapping instruction to Begin.U as well

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:02 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This file

initializes certain default variables used by Configure. They

?X: may be overridden or added to by definitions in Myinit.U.

?X:

?MAKE:Init eunicefix: Null

?MAKE: -pick add \$@ %<

?MAKE: -pick weed \$@ ./Init

?S:eunicefix:

?S: When running under Eunice this variable contains a command which will

?S: convert a shell script to the proper form of text file for it to be

?S: executable by the shell. On other systems it is a no-op.

```

?S:.
?V:define undef smallmach:rmlist
?X:
?X: Throughout the units, one may make use of $define and $undef to reference
?X: a defined symbol or an undefined one. There is no need to add them in
?X: the dependency line since this unit makes them visible via ?V:, and
?X: everyone inherits from those symbols since by convention Init.U is the
?X: root dependency.
?X:
?LINT:extern DJGPP
?LINT:extern _exe
?LINT:change _exe
?LINT:extern is_os2
: Detect odd OSs
define='define'
undef='undef'
smallmach='pdp11 i8086 z8000 i80286 iAPX286'
rmlist=""

: We must find out about
Eunice early
eunicefix=':'
if test -f /etc/unixtovms; then
    eunicefix=/etc/unixtovms
fi
if test -f /etc/unixtovms.exe; then
    eunicefix=/etc/unixtovms.exe
fi

: Set executable suffix now -- needed before hints available
if test -f "/libs/version.library"; then
: Amiga OS
    _exe=""
elif test -f "/system/gnu_library/bin/ar.pm"; then
: Stratus VOS
    _exe=".pm"
elif test -n "$DJGPP"; then
: DOS DJGPP
    _exe=".exe"
elif test -f /kern/cookiejar; then
: MiNT
    _exe=""
elif test -d c:/ -o -n "$is_os2" ; then
: OS/2 or cygwin
    _exe=".exe"
fi

```

Found in path(s):



\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Init.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: prototype.U,v 3.0.1.3 1994/05/06 15:11:49 ram Exp \$  
?RCS:  
?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: prototype.U,v \$  
?RCS: Revision 3.0.1.3 1994/05/06 15:11:49 ram  
?RCS: patch23: ensure cc flags used when looking for prototype support  
?RCS:  
?RCS: Revision 3.0.1.2 1994/01/24 14:15:36 ram  
?RCS: patch16: prototype handling macros now appear only when needed  
?RCS:  
?RCS: Revision 3.0.1.1 1993/08/25 14:03:12 ram  
?RCS: patch6: defines were referring to non-existent VOID symbol  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:36 ram  
?RCS: Baseline for dist  
3.0 netwide release.  
?RCS:  
?MAKE:prototype: Nothing  
?S:prototype:  
?S: This variable holds the eventual value of CAN\_PROTOTYPE, which  
?S: indicates the C compiler can handle function prototypes.  
?S:.  
: stub, never used  
prototype=nothing

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/prototype.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1998 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:

?MAKE:d\_recvmsg: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_recvmsg:  
?S: This variable conditionally defines the HAS\_RECVMSG symbol, which  
?S: indicates to the C program that the recvmsg() routine is available.  
?S:.  
?C:HAS\_RECVMSG:  
?C: This symbol, if defined, indicates that the recvmsg routine is  
?C: available to send structured socket messages.  
?C:.  
?H:#\$d\_recvmsg HAS\_RECVMSG /\*\*/  
?H:.  
?LINT:set d\_recvmsg  
: see if recvmsg exists  
set recvmsg d\_recvmsg  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_recvmsg.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getpgid.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1996, Andy Dougherty  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_getpgid.U,v \$  
?RCS: Revision 3.0.1.1 1997/02/28 15:33:44 ram  
?RCS: patch61: created  
?RCS:  
?MAKE:d\_getpgid: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_getpgid:  
?S: This variable conditionally defines the HAS\_GETPGID symbol, which  
?S: indicates to the C program that the getpgid(pid) function  
?S: is available to get the process group id.  
?S:.  
?C:HAS\_GETPGID:  
?C: This symbol, if defined, indicates to the C program  
that  
?C: the getpgid(pid) function is available to get the

```
?C: process group id.
?C:.
?H:#$d_getpgid HAS_GETPGID /**/
?H:.
?LINT:set d_getpgid
: see if getpgid exists
set getpgid d_getpgid
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_getpgid.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_sunmath.U,v $
?RCS:
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_sunmath: Inhdr Hasfield
?MAKE:-pick add $@ %<
?S:i_sunmath:
?S: This variable conditionally defines the I_SUNMATH symbol, and indicates
?S: whether a C program should include <sunmath.h>.
?S:.
?C:I_SUNMATH:
?C: This symbol, if defined, indicates that <sunmath.h> exists and
?C: should be included.
?C:.
?H:#$i_sunmath I_SUNMATH /**/
?H:.
?LINT:set i_sunmath
: see if this is a sunmath.h system
set sunmath.h i_sunmath
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_sunmath.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_getnent.U,v 3.0 1993/08/18 12:06:09 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
```

?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: d\_getnetent.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:09 ram

?RCS: Baseline for dist 3.0 worldwide release.

?RCS:

?MAKE:d\_getnetent: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getnetent:

?S: This variable conditionally defines HAS\_GETNETENT if getnetent() is

?S: available to look up network names in some data base or another.

?S:.

?C:HAS\_GETNETENT:

?C: This symbol, if defined, indicates that the getnetent() routine is

?C: available to look up network names in some data base

or another.

?C:.

?H:#\$d\_getnetent HAS\_GETNETENT /\*\*/

?H:.

?LINT:set d\_getnetent

: see if getnetent exists

set getnetent d\_getnetent

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_getnetent.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: privlib.U,v 3.1 1999/07/08 18:32:29 doughera Exp doughera \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: This file is included with or a derivative work of a file included

?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.

?RCS: In accordance with clause 7 of dist's modified Artistic License:

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: \$Log: privlib.U,v \$

?RCS: Revision 3.1 1999/07/08 18:32:29 doughera

?RCS: Updated for perl5.005\_5x

?RCS:

?RCS: Revision 3.0.1.4 1995/09/25 09:17:09 ram

?RCS: patch59: unit is now forced to the top of Configure, if possible  
?RCS:  
?RCS: Revision 3.0.1.3 1995/01/30 14:44:23 ram  
?RCS: patch49: can now handle installation prefix changes (from WED)  
?RCS:  
?RCS: Revision 3.0.1.2 1994/08/29 16:31:52 ram  
?RCS:  
patch32: now uses installation prefix  
?RCS:  
?RCS: Revision 3.0.1.1 1993/09/13 16:12:34 ram  
?RCS: patch10: added support for /local/lib (WED)  
?RCS: patch10: prompt phrasing made more explicit (WED)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:35 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:privlib privlibexp installprivlib: package cat Getfile Oldconfig \  
Setprefixvar Prefixit version installstyle binexp  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?D:privlib="  
?S:privlib:  
?S: This variable contains the eventual value of the PRIVLIB symbol,  
?S: which is the name of the private library for this package. It may  
?S: have a ~ on the front. It is up to the makefile to eventually create  
?S: this directory while performing installation (with ~ substitution).  
?S:.  
?D:privlibexp="  
?S:privlibexp:  
?S: This variable is the ~name expanded version of privlib, so that you  
?S: may use it directly in Makefiles or shell scripts.  
?S:.  
?D:installprivlib="  
?S:installprivlib:  
?S: This variable  
is really the same as privlibexp but may differ on  
?S: those systems using AFS. For extra portability, only this variable  
?S: should be used in makefiles.  
?S:.  
?C:PRIVLIB:  
?C: This symbol contains the name of the private library for this package.  
?C: The library is private in the sense that it needn't be in anyone's  
?C: execution path, but it should be accessible by the world. The program  
?C: should be prepared to do ~ expansion.  
?C:.  
?C:PRIVLIB\_EXP:  
?C: This symbol contains the ~name expanded version of PRIVLIB, to be used  
?C: in programs that are not prepared to deal with ~ expansion at run-time.

```

?C:.
?H:#define PRIVLIB "$privlib" /**/
?H:#define PRIVLIB_EXP "$privlibexp" /**/
?H:.
?LINT:change prefixvar
?LINT:set installprivlib
?LINT:set privlib
?LINT:set privlibexp
: determine where private library files go
: Usual default is /usr/local/lib/perl5/$version.
: Also allow things like /opt/perl/lib/$version, since
: /opt/perl/lib/perl5... would be redundant.
: The default "style"
  setting is made in installstyle.U
case "$installstyle" in
*lib/perl5*) set dflt privlib lib/$package/$version ;;
*) set dflt privlib lib/$version ;;
esac
eval $prefixit
$cat <<EOM

```

There are some auxiliary files for \$package that need to be put into a private library directory that is accessible by everyone.

```

EOM
?X: Force dependency on bin.U
fn=$binexp
fn=d~+
rp='Pathname where the private library files will reside?'
./getfile
prefixvar=privlib
./setprefixvar

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/privlib.U

```

No license file was found, but licenses were detected in source scan.

Perl5 Metaconfig Units

Copyright (c) 1996-1998, Andy Dougherty  
 Copyright (c) 1999-2011, H.Merijn Brand  
 All rights reserved.

These units are the ones used to build Configure and config\_h.SH in the Perl5 distribution.

metaconfig will first look in its standard locations (specified when you

installed dist). It will then recurse through the 'U' subdirectory and find any additional "private" units. Private units override standard ones supplied with metaconfig.

Files in this directory:

README

This file.

Glossary.patch

The standard dist units contain some strings that make pod2man complain. This patch silences those warnings. As new units are added and Configure is regenerated, this patch may need more and more 'fuzz' to be applied. It should be freshly regenerated every once in a while. See also mkgloss.pl

In-all.pl

Re-generate the all/ folder

mkglossary

A script

to regenerate Porting/Glossary. You have to manually edit the top of the script to point the location of your metaconfig units. It is called automatically by 'mksample'. See also mkgloss.pl

mkgloss.pl

A perl script that calls U/mkglossary from the perl source tree, sorts the list of symbols, and applies the patch mentioned in Glossary.patch. When called on its own, redirect the output to a temporary file, and compare that file to Porting/Glossary before applying.

mksample

A script to regenerate Porting/config.sh and Porting/config.H. It also calls mkglossary, if necessary.

Subdirectories:

The units and other related files have been broken up into the following directories.

a\_dvisory/

These are units that have to go first in the generated config\_h.SH. A word of explanation: Configure and config\_h.SH are generated from 'Units' (the \*.U files). Files indicate dependencies (using make(1)), and Configure is built to follow those dependencies.

However, config\_h.SH

is simply built by putting all the units in alphabetical order and extracting the relevant lines. (This could be fixed, I suppose, but

it wasn't trivial the one time I looked.)

The `a_dvisory/` directory, then, is a place to put units that need to be early in `config_h.SH`. (Most units are self-contained and ought to be able to go anywhere. However, some things, like `byteorder`, need to have the `#defines` from `multiarch` available.)

`acl/`

This is an old patch to begin to detect and use ACL (access control list) file protection schemes.

`all/`

A folder that conveniently holds symbolic links to all the modules that are used to build the current `Configure` and `config_h.SH`.

`compline/`

These are similar to the standard units, but I have modified them to have a more uniform compile command line, usually using the new `Compile.U` unit. (The `cflags.U` unit is perl-specific since it mentions `-DDEBUGGING` and `-DPOSIX_SOURCE`, but that's the only place it is perl-specific.)

`dist_patches/`

These are patches to `dist` that must be applied before it is built and installed. I have submitted these for inclusion in the regular `dist` distribution. They have already been applied to the `../dist-3.0at70b` directory.

`ebcdic/`

These are units that had to be specially modified to work under either EBCDIC or ASCII.

`installdirs/`

These are units to handle perl's installation directories and related issues.

`modified/`

These are modified versions of the standard units. Also included in this directory are new units that are clearly derived from existing units. I have submitted these for inclusion in the regular `dist` distribution.

`nullified/`

These are null units that replace units in the standard distribution. Typically they are there because some part of the perl source accidentally uses a symbol that `metaconfig` thinks means we want the corresponding



unit.

perl/

These are specific to perl. Some are heavily derived from original dist units, and are marked as such. Others are original.

perl\_patches/

These are patches to the perl source. This directory should ordinarily be empty, but there may have been drift between the standard version of perl and the one associated with these units.

protos/

These are units modified to use the new Hasproto.U or Protochk.U units to check for prototypes.

threads/

These are specific to threading perl.

typedefs/

These are standard units modified to use the modified Typedef.U unit to check for typedefs. (The modified Typdef.U includes a function to avoid unnecessary prompts if the typedef being searched for exists.)

Where appropriate, I submitted these units for inclusion into the regular dist distribution. However, since dist is no longer actively maintained, and the alternative is for \*me\* to actively maintain it, the units just sit here.

Copyright Information:

Unless otherwise indicated, the files contained in this distribution are:

Copyright (c) 1996-1998, Andy Dougherty

The following licensing terms apply to all files contained in this distribution:

You may distribute the files contained in this distribution under the terms of either

a) the "Artistic License" which comes with Perl, or

b) the "Artistic License" which comes with dist, or

c) the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version (see the file "Copying" that comes with the Perl distribution).

Which one to use is your choice.

The units in the "modified" directory have been derived from units associated with the metaconfig program of Raphael Manfredi's "dist" distribution. These units list Raphael Manfredi as the Copyright holder. dist is distributed under a modified version of the Perl Artistic License. Clause 7 of this modified license as contained in dist-3.0-pl60 provides:

7. You may reuse parts of this Package in your own programs, provided that you explicitly state where you got them from, in the source code (and, left to your courtesy, in the documentation), duplicating all the associated copyright notices and disclaimers. Besides your changes, if any, must be clearly marked as such. Parts reused that way will no longer fall under this license if, and only if, the name of your program(s) have no immediate connection with the name of the Package itself or its associated programs. You may then apply whatever restrictions you wish on the reused parts or choose to place them in the Public Domain--this will apply only within the context of your package.

In accordance with this clause, the versions of these units contained here are made available under the same terms as the rest of the units.

If you have any questions about the use of these units or about the differences between these units and the standard versions, please feel free to ask.

Andy Dougherty [doughera@lafayette.edu](mailto:doughera@lafayette.edu)  
Dept. of Physics  
Lafayette College  
Easton, PA 18042-1782

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/README

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_setsent.U,v 3.0 1993/08/18 12:06:09 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: d\_setsent.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:09 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_setsent: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_setsent:  
?S: This variable conditionally defines HAS\_SETSERVENT if setservernt() is  
?S: available.  
?S:.  
?C:HAS\_SETSERVENT:  
?C: This symbol, if defined, indicates that the setservernt() routine is  
?C: available.  
?C:.  
?H:#\$d\_setsent HAS\_SETSERVENT /\*\*/  
?H:.  
?LINT:set d\_setsent  
: see if setservernt exists  
set  
  setservernt d\_setsent  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_setsent.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Chk\_whoami.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: Chk\_whoami.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:04:46 ram  
?RCS: Baseline for dist 3.0 netwide release.

```
?RCS:
?X:
?X: This unit makes sure we don't try to include whoami.h if uname() exists.
?X:
?MAKE:Chk_whoami: d_uname i_whoami
?MAKE: -pick add $@ %<
?LINT:change i_whoami
: weed out incompatibilities
case "$d_uname" in
"$define") i_whoami="$sundef" ;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Chk_whoami.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_lstat.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_lstat.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:28 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_lstat: Inlibc
?MAKE: -pick add $@ %<
?S:d_lstat:
?S: This variable conditionally defines HAS_LSTAT if lstat() is
?S: available to do file stats on symbolic links.
?S:.
?C:HAS_LSTAT (LSTAT):
?C: This symbol, if defined, indicates that the lstat routine is
?C: available to do file stats on symbolic links.
?C:.
?H:#$d_lstat HAS_LSTAT /**/
?H:.
?LINT:set
d_lstat
: see if lstat exists
set lstat d_lstat
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_1stat.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: perlpath.U,v 3.0.1.2 1995/09/25 09:17:04 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: This file is included with or a derivative work of a file included

?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.

?RCS: In accordance with clause 7 of dist's modified Artistic License:

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: \$Log: perlpath.U,v \$

?RCS:

?RCS: Special perl5 unit -- we haven't installed perl yet.

?RCS:

?RCS: Revision 3.0.1.2 1995/09/25 09:17:04 ram

?RCS: patch59: unit is now forced to the top of Configure, if possible

?RCS:

?RCS: Revision 3.0.1.1 1995/01/11 15:33:53 ram

?RCS: patch45: can now use Loc variables since path stripping is deferred

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:32 ram

?RCS: Baseline for dist

3.0 netwide release.

?RCS:

?X:

?X: The purpose of this unit is to locate perl good enough to construct a #!

?X:

?MAKE:perlpath: cat Getfile Loc Myread Oldconfig initialinstalllocation \  
startperl version versiononly

?MAKE: -pick add \$@ %<

?Y:TOP

?S:perlpath:

?S: This variable contains the eventual value of the PERLPATH symbol,

?S: which contains the name of the perl interpreter to be used in

?S: shell scripts and in the "eval 'exec'" idiom. This variable is

?S: not necessarily the pathname of the file containing the perl

?S: interpreter; you must append the executable extension (\_exe) if

?S: it is not already present. Note that Perl code that runs during

?S: the Perl build process cannot reference this variable, as Perl

?S: may not have been installed, or even if installed, may be a

?S: different version of Perl.

?S:.

?C:PERLPATH:

?C: This symbol contains the name of the perl interpreter to be

?C: used in shell scripts and in the "eval 'exec'" idiom.

?C:.

?H:#define PERLPATH "\$perlpath" /\*\*/

?H:.

:

figure best path for perl in scripts

case "\$perlpath" in

")

case "\$versiononly" in

"\$define") perlpath="\$initialinstalllocation/perl\$version";;

\*) perlpath="\$initialinstalllocation/perl";;

esac

case "\$startperl" in

\*!\*) ;;

\*)

\$cat <<EOH

I will use the "eval 'exec'" idiom to start Perl on your system.

I can use the full path of your Perl binary for this purpose, but

doing so may cause problems if you want to share those scripts and

Perl is not always in a standard place (\$initialinstalllocation/perl).

EOH

dflt="\$initialinstalllocation/perl"

rp="What path shall I use in \"eval 'exec'\"?"

./myread

perlpath="\$ans"

::

esac

::

esac

case "\$startperl" in

\*!\*) ;;

\*) echo "I'll use \$perlpath in \"eval 'exec'\"";;

esac

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/perlpath.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: bin.U,v 3.1 1999/07/09 18:20:13 doughera Exp doughera \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: bin.U,v \$  
?RCS: Revision 3.1 1999/07/09 18:20:13 doughera  
?RCS: Updated for installprefix  
?RCS:  
?RCS: Revision 3.0.1.4 1995/09/25 09:15:32 ram  
?RCS: patch59: unit is now forced to the top of Configure, if possible  
?RCS:  
?RCS: Revision 3.0.1.3 1995/01/30 14:32:40 ram  
?RCS: patch49: can now handle installation prefix changes (from WED)  
?RCS:  
?RCS: Revision 3.0.1.2 1994/08/29 16:05:28 ram  
?RCS: patch32: now uses installation prefix  
?RCS:  
?RCS:  
Revision 3.0.1.1 1993/09/13 15:56:51 ram  
?RCS: patch10: made prompting more explicit (WAD)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:26 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:bin binexp installbin userelocatableinc initialinstalllocation: \  
Myread Prefixit Getfile Setvar Setprefixvar Oldconfig \  
test prefix prefixexp  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?D:bin="  
?S:bin:  
?S: This variable holds the name of the directory in which the user wants  
?S: to put publicly executable images for the package in question. It  
?S: is most often a local directory such as /usr/local/bin. Programs using  
?S: this variable must be prepared to deal with ~name substitution.  
?S:.  
?D:binexp="  
?S:binexp:  
?S: This is the same as the bin variable, but is filename expanded at  
?S: configuration time, for use in your makefiles.  
?S:.  
?D:installbin="  
?S:installbin:  
?S: This variable is the same as binexp unless AFS is running in which case  
?S: the user is explicitly prompted for it. This variable

should always

?S: be used in your makefiles for maximum portability.

?S:.

?D:userrelocatableinc="

?S:userrelocatableinc:

?S: This variable is set to true to indicate that perl should relocate

?S: @INC entries at runtime based on the path to the perl binary.

?S: Any @INC paths starting ".../" are relocated relative to the directory

?S: containing the perl binary, and a logical cleanup of the path is then

?S: made around the join point (removing "dir/.." pairs)

?S:.

?S:initialinstalllocation:

?S: When userrelocatableinc is true, this variable holds the location

?S: that make install should copy the perl binary to, with all the

?S: run-time relocatable paths calculated from this at install time.

?S: When used, it is initialized to the original value of binexp, and

?S: then binexp is set to '.../', as the other binaries are found

?S: relative to the perl binary.

?S:.

?C:BIN:

?C: This symbol holds the path of the bin directory where the package will

?C: be installed. Program must be

prepared to deal with ~name substitution.

?C:.

?C:BIN\_EXP:

?C: This symbol is the filename expanded version of the BIN symbol, for

?C: programs that do not want to deal with that at run-time.

?C:.

?C:PERL\_RELOCATABLE\_INC:

?C: This symbol, if defined, indicates that we'd like to relocate entries

?C: in @INC at run time based on the location of the perl binary.

?C:.

?H:#define BIN "\$bin" /\*\*/

?H:#define BIN\_EXP "\$binexp" /\*\*/

?H:#define PERL\_RELOCATABLE\_INC "\$userrelocatableinc" /\*\*/

?H:.

?D:bin='/usr/local/bin'

?LINT:change prefix

?LINT:change prefixexp

?LINT:change prefixvar

?LINT:change installprefixexp

?LINT:set userrelocatableinc

: determine where public executables go

echo " "

set dflt bin bin

eval \$prefixit

fn=d~

rp='Pathname where the public executables will reside?'



```

./getfile
if $test "X$ansexp" != "X$binexp"; then
  installbin="
fi
prefixvar=bin
: XXX Bug? -- ignores Configure -Dinstallprefix setting.
: XXX If this is fixed, also fix the "start perl" hunk below, which relies on
:
  this via initialinstalllocation
./setprefixvar

```

```

case "$user relocatableinc" in
$define|true|[yY]*) dflt='y' ;;
*) dflt='n' ;;
esac
cat <<EOM

```

Would you like to build Perl so that the installation is relocatable, so that library paths in @INC are determined relative to the path of the perl binary? This is not advised for system Perl installs, or if you need to run setid scripts or scripts under taint mode.

If this doesn't make any sense to you, just accept the default '\$dflt'.

EOM

```

rp='Use relocatable @INC?'
./myread
case "$ans" in
y|Y) val="$define" ;;
*) val="$undef" ;;
esac
set user relocatableinc
eval $setvar

```

```

initialinstalllocation="$binexp"
: Default prefix is now "up one level from where the binaries are"
case "$user relocatableinc" in
$define|true|[yY]*)
  bin="..."
  binexp="..."
  prefix=".../"
  prefixexp=".../"
  installprefixexp=".../"
  ;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/bin.U

```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: vaprot0.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>
?RCS:
?RCS: $Log: vaprot0.U,v $
?RCS: Revision 3.0.1.1 1994/01/24 14:17:16 ram
?RCS: patch16: definition of _V now appears only when needed
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:59 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:vaprot0: prototype i_stdarg Setvar
?MAKE: -pick add $@ %<
?S:vaprot0:
?S: This variable conditionally defines CAN_VAPROTO on systems supporting
?S: prototype
?S: declaration of functions with a variable number of
?S: arguments. See also prototype.
?S:
?C:CAN_VAPROTO ~ %<:
?C: This variable is defined on systems supporting prototype declaration
?C: of functions with a variable number of arguments.
?C:
?C:_V:
?C: This macro is used to declare function parameters in prototypes for
?C: functions with a variable number of parameters. Use double parentheses.
?C: For example:
?C:
?C: int printf _V((char *fmt, ...));
?C:
?C: Remember to use the plain simple _() macro when declaring a function
?C: with no variable number of arguments, since it might be possible to
?C: have a non-effect _V() macro and still get prototypes via _().
?C:
?H:?%<:#$vaprot0 CAN_VAPROTO /**/
?H:?_V:#ifdef CAN_VAPROTO
?H:?_V:#define _V(args) args
?H:?_V:#else
```

```

?H:?_V:#define _V(args) ()
?H:?_V:#endif
?H:.
?LINT:set vaproto
: see if prototypes support variable argument declarations
echo " "
case "$prototype${i}_stdarg" in
$define$define)
echo "It appears we'll be able
to prototype varargs functions." >&4
val="$define"
;;
*)
echo "Too bad... We won't be using prototyped varargs functions..." >&4
val="$undef"
;;
esac
set vaproto
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/modified/vaproto.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_pwrite.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_pwrite.U,v $
?RCS:
?MAKE:d_pwrite: Inlibc
?MAKE:-pick add $@ %<
?S:d_pwrite:
?S: This variable conditionally defines the HAS_PWRITE symbol, which
?S: indicates to the C program that the pwrite() routine is available.
?S:.
?C:HAS_PWRITE :
?C: This symbol, if defined, indicates that the pwrite routine is
?C: available to perform writes on a file descriptor at a given offset.
?C:.
?H:#$d_pwrite HAS_PWRITE /**/

```

```
?H:
?LINT:set d_pwrite
: see if pwrite
exists
set pwrite d_pwrite
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_pwrite.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:ivdformat uvuformat uvoformat uvxformat uvXUformat \
nvEUformat nvFUformat nvGUformat \
nveformat nvfformat nviformat: \
ivsize longsize intsize shortsize \
sPRId64 sPRIu64 sPRIo64 sPRIx64 sPRIXU64 \
uselongdouble d_longdbl usequadmath d_PRIgldbl \
sPRIEUldbl sPRIFUldbl sPRIGUldbl sPRIeldbl sPRIfldbl sPRIgldbl \
test echo
```

```
?MAKE: -pick add $@ %<
```

```
?S:ivdformat:
```

```
?S: This variable contains the format string used for printing
```

```
?S: a Perl IV as a signed decimal integer.
```

```
?S:.
```

```
?S:uvuformat:
```

```
?S: This variable contains the format string used for printing
```

```
?S: a Perl UV as an unsigned decimal integer.
```

```
?S:.
```

```
?S:uvoformat:
```

```
?S: This variable contains the format string used for printing
```

```
?S: a Perl UV as an unsigned
octal integer.
```

```
?S:.
```

```
?S:uvxformat:
```

```
?S: This variable contains the format string used for printing
```

```
?S: a Perl UV as an unsigned hexadecimal integer in lowercase abcdef.
```

```
?S:.
```

```
?S:uvXUformat:
```

```
?S: This variable contains the format string used for printing
```

```
?S: a Perl UV as an unsigned hexadecimal integer in uppercase ABCDEF.
```

?S:.

?S:nveformat:

?S: This variable contains the format string used for printing

?S: a Perl NV using %e-ish floating point format.

?S:.

?S:nvffformat:

?S: This variable contains the format string used for printing

?S: a Perl NV using %f-ish floating point format.

?S:.

?S:nvgformat:

?S: This variable contains the format string used for printing

?S: a Perl NV using %g-ish floating point format.

?S:.

?S:nvEUformat:

?S: This variable contains the format string used for printing

?S: a Perl NV using %E-ish floating point format.

?S:.

?S:nvFUformat:

?S: This variable contains the format string used for printing

?S: a Perl NV using %F-ish floating point format.

?S:.

?S:nvGUformat:

?S: This

variable contains the format string used for printing

?S: a Perl NV using %G-ish floating point format.

?S:.

?C:IVdf:

?C: This symbol defines the format string used for printing a Perl IV

?C: as a signed decimal integer.

?C:.

?C:UVuf:

?C: This symbol defines the format string used for printing a Perl UV

?C: as an unsigned decimal integer.

?C:.

?C:UVof:

?C: This symbol defines the format string used for printing a Perl UV

?C: as an unsigned octal integer.

?C:.

?C:UVxf:

?C: This symbol defines the format string used for printing a Perl UV

?C: as an unsigned hexadecimal integer in lowercase abcdef.

?C:.

?C:UVXf:

?C: This symbol defines the format string used for printing a Perl UV

?C: as an unsigned hexadecimal integer in uppercase ABCDEF.

?C:.

?C:NVef:

?C: This symbol defines the format string used for printing a Perl NV

```

?C: using %e-ish floating point format.
?C:.
?C:NVff:
?C: This symbol defines the format string used for printing a Perl NV
?C: using %f-ish floating point
format.
?C:.
?C:NVgf:
?C: This symbol defines the format string used for printing a Perl NV
?C: using %g-ish floating point format.
?C:.
?C:NVEf:
?C: This symbol defines the format string used for printing a Perl NV
?C: using %E-ish floating point format.
?C:.
?C:NVff:
?C: This symbol defines the format string used for printing a Perl NV
?C: using %F-ish floating point format.
?C:.
?C:NVGf:
?C: This symbol defines the format string used for printing a Perl NV
?C: using %G-ish floating point format.
?C:.
?H:#define IVdf $ivdformat /**/
?H:#define UVuf $uvuformat /**/
?H:#define UVof $uvoformat /**/
?H:#define UVxf $uvxformat /**/
?H:#define UVXf $uvXUformat /**/
?H:#define NVEf $nveformat /**/
?H:#define NVff $nvffformat /**/
?H:#define NVgf $nvgformat /**/
?H:#define NVEf $nvEUformat /**/
?H:#define NVFf $nvFUformat /**/
?H:#define NVGf $nvGUformat /**/
?H:.
: Check format strings for internal types
echo " "
$echo "Checking the format strings to be used for Perl's
internal types..." >&4

if $test X"$ivsize" = X8; then
ivdformat="$sPRId64"
uvuformat="$sPRIu64"
uvoformat="$sPRIo64"
uvxformat="$sPRIx64"
uvXUformat="$sPRIXU64"
else
if $test X"$ivsize" = X"$longsize"; then

```

```

ivdformat="ld"
uvuformat="lu"
uvoformat="lo"
uvxformat="lx"
uvXUformat="IX"
else
if $test X"$ivsize" = X"$intsize"; then
ivdformat="d"
uvuformat="u"
uvoformat="o"
uvxformat="x"
uvXUformat="X"
else
: far out
if $test X"$ivsize" = X"$shortsize"; then
ivdformat="hd"
uvuformat="hu"
uvoformat="ho"
uvxformat="hx"
uvXUformat="hX"
fi
fi
fi
fi

if $test X"$usequadmath" = X"$define"; then
nveformat="Qe"
nvffformat="Qf"
nvgformat="Qg"
nvEUformat="QE"
nvFUformat="QF"
nvGUformat="QG"
else
if $test X"$uselongdouble" = X"$define" -a X"$d_longdbl" = X"$define" -a X"$d_PRIgldbl" = X"$define"; then
nveformat="$sPRIldbl"
nvffformat="$sPRIfldbl"
nvgformat="$sPRIgldbl"
nvEUformat="$sPRIEUldbl"
nvFUformat="$sPRIFUldbl"
nvGUformat="$sPRIGUldbl"
else
nveformat="e"
nvffformat="f"
nvgformat="g"
nvEUformat="E"
nvFUformat="F"
nvGUformat="G"
fi

```

fi

```
case "$ivdformat" in
") echo "$0: Fatal: failed to find format strings, cannot continue." >&4
  exit 1
  ;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/perlxf.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: End.U,v \$

?RCS: Revision 3.0 1993/08/18 12:04:51 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit serves as the goal which forces make to choose all the units that

?X: ask questions. The \$W on the ?MAKE: line is the list of all symbols wanted.

?X: To force any unit to be included, copy this unit to your private U directory

?X: and add the name of the unit desired to the ?MAKE: dependency line.

?X:

?MAKE:End: \$W

?MAKE: -pick add \$@ %<

?LINT:use \$W

: end of configuration

questions

echo " "

echo "End of configuration questions."

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/End.U
```

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.



```

?RCS:
?MAKE:d_fegetround: Inlibc
?MAKE: -pick add $@ %<
?S:d_fegetround:
?S: This variable conditionally defines HAS_FEGETROUND if fegetround() is
?S: available to get the floating point rounding mode.
?S:.
?C:HAS_FEGETROUND:
?C: This symbol, if defined, indicates that the fegetround routine is
?C: available to return the macro corresponding to the current rounding
?C: mode.
?C:.
?H:#$d_fegetround HAS_FEGETROUND /**/
?H:.
?LINT:set d_fegetround
: see if fegetround exists
set fegetround d_fegetround
eval $inlibc

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/d_fegetround.U

```

No license file was found, but licenses were detected in source scan.

```

;#####

```

```

;# Jmake rules for building libraries, programs, scripts, and data files

```

```

;# $Id: Jmake.rules 18 2006-12-27 10:35:09Z rmanfredi $

```

```

/*

```

```

* MACHINE-INDEPENDENT RULES -- DO NOT MODIFY

```

```

*/

```

```

/* $Id: Jmake.rules 18 2006-12-27 10:35:09Z rmanfredi $

```

```

*

```

```

* Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

```

```

*

```

```

* You may redistribute only under the terms of the Artistic Licence,

```

```

* as specified in the README file that comes with the distribution.

```

```

* You may reuse parts of this distribution only within the terms of

```

```

* that same Artistic Licence; a copy of which may be found at the root

```

```

* of the source tree for dist 4.0.

```

```

*

```

```

* $Log: Jmake.rules,v $

```

```

* Revision 3.0.1.7 2004/08/22 08:28:58 ram

```

```

* patch71: random cleanup

```

```

*

```

```

* Revision 3.0.1.6 1997/02/28 14:56:01 ram

```

```

* patch61: now handles USRINC for dependencies

```

```
* patch61: smarter about dependencies
computation
*
* Revision 3.0.1.5 1995/09/25 09:07:19 ram
* patch59: smarter sed command to strip /usr/include dependencies
*
* Revision 3.0.1.4 1995/07/25 13:33:59 ram
* patch56: install of script man pages can now cope with missing files
* patch56: the clobber target now removes the .config directory as well
*
* Revision 3.0.1.3 1995/03/21 08:35:28 ram
* patch52: suppressed extra argument to NormalProgramTarget call
*
* Revision 3.0.1.2 1995/01/11 14:49:55 ram
* patch45: new macros ShellScriptTargetExt and SimpleShellScriptTargetExt
* patch45: directory installation is now made via INSTALLDIR (Configure)
*
* Revision 3.0.1.1 1994/10/29 15:46:30 ram
* patch36: added RemoteDependency rule
*
* Revision 3.0 1993/08/18 12:04:14 ram
* Baseline for dist 3.0 netwide release.
*
*/
```

```
/* Please, edit only with tabstops = 4 (":set ts=4" under vi) */
```

```
/*
```

```
* AddedByConfigure:
* Gives name of the files generated by Configure that can safely
* be removed
when a "make clobber" is issued. Not that it is useless
* to name config.h or config.sh because these are already taken care
* of by jmake.
```

```
*/
```

```
#define AddedByConfigure(files) @!\
local_clobber:: @@\
$(RM) files
```

```
/*
```

```
* AddSuffix:
* Adds a suffix to the .SUFFIXES: list.
```

```
*/
```

```
#define AddSuffix(ext) @!\
|suffix ext
```

```
/*
```

```

* AllTarget:
* Generate rules to build necessary things during make all.
*/
#define AllTarget(depends) @!\
all:: depends    @!\
    @!\
local_realclean:: @@\
$(RM) depends

/*
* RemoveTargetProgram:
* This is used in some other macros in order to remove the target
* before starting its building (saves disk space). There should be
* no '@!' at the end of the '#define' line, because this macro is
* used *inside* building rules.
*/
#define RemoveTargetProgram(program) \
$(RM) program @@\
if test -f program^^^$_EXE; then \ @@\
$(MV) program^^^$_EXE program^^~^^^$_EXE; fi

/*
* NormalProgramTarget:
* Generate rules to compile and link the
indicated program; since
* it does not use any default object files, it may be used for
* multiple programs in the same Jmakefile.
*/
#define NormalProgramTarget(program,sources,objects) @!\
++OBJECTS objects @!\
++SOURCES sources @!\
NormalObjectRule() @!\
AllTarget(program) @!\
    @!\
program: objects    @@\
RemoveTargetProgram($@) @@\
$(CC) -o $@ objects $(JLDFLAGS) $(LIBS) @!\

/*
* SingleProgramTarget:
* Obsolete version of NormalProgramTarget that doesn't have
* deplibs.
*/
#define SingleProgramTarget(program,objects,libs) \
NormalProgramTarget(program,objects,libs)

/*

```

```
* SimpleProgramTarget:
* Generate rules for compiling and linking programs that only have
* one C source file. It should only be used in Jmakefiles that
* describe a single program.
```

```
*/
```

```
#define SimpleProgramTarget(program) @!\
NormalProgramTarget(program,program.c,program.o)
```

```
/*
```

```
* ComplexProgramTarget:
* Generate rules for compiling and linking the program specified by
* $(OBJS) and
* $(SRCS), installing the program and its man page, and
* generating dependencies. It should only be used in Jmakefiles
* that describe a single program.
```

```
*/
```

```
#define ComplexProgramTarget(program) @!\
++OBJECTS $(OBJS) @!\
++SOURCES $(SRCS) @!\
NormalObjectRule() @!\
AllTarget(program) @!\
    @!\
program: $(OBJS) @@\
RemoveTargetProgram($@) @@\
$(CC) -o $@ $(OBJS) $(JLDFLAGS) $(LIBS) @!\
    @!\
InstallProgram(program,$(BINDIR)) @!\
InstallManPage(program,$(MANSRC)) @!\
DependTarget() @!\
LintTarget()
```

```
/*
```

```
* ComplexProgramTarget_1:
* Generate rules for compiling and linking the program specified by
* $(OBJS1) and $(SRCS1), installing the program and its man page,
* and generating dependencies for it and any programs described by
* $(SRCS2) and $(SRCS3). It should be used to build the primary
* program in Jmakefiles that describe multiple programs.
```

```
*/
```

```
#define ComplexProgramTarget_1(program) @!\
++OBJECTS $(OBJS1) @!\
++SOURCES $(SRCS1) @!\
NormalObjectRule() @!\
AllTarget(program) @!\
    @!\
```

```

program:
$(OBJS1)  @@\
RemoveTargetProgram($@)  @@\
$(CC) -o $@ $(OBJS1) $(JLDFLAGS) $(LIBS) @!\
    @!\
InstallProgram(program,$(BINDIR)) @!\
InstallManPage(program,$(MANSRC)) @!\
    @!\
DependTarget()  @!\
LintTarget()

/*
* ComplexProgramTarget_2:
* Generate rules for compiling and linking the program specified by
* $(OBJS2) and $(SRCS2) and installing the program and man page.
* It should be used to build the second program in Jmakefiles
* describing more than one program.
*/
#define ComplexProgramTarget_2(program) @!\
++OBJECTS $(OBJS2) @!\
++SOURCES $(SRCS2) @!\
NormalObjectRule()  @!\
AllTarget(program)  @!\
    @!\
program: $(OBJS2)  @@\
RemoveTargetProgram($@)  @@\
$(CC) -o $@ $(OBJS2) $(JLDFLAGS) $(LIBS) @!\
    @!\
InstallProgram(program,$(BINDIR)) @!\
InstallManPage(program,$(MANSRC))

/*
* ComplexProgramTarget_3:
* Generate rules for compiling and linking the
program specified by
* $(OBJS3) and $(SRCS3) and installing the program and man page. It
* should be used to build the third program in Jmakefiles describing
* more than one program.
*/
#define ComplexProgramTarget_3(program) @!\
++OBJECTS $(OBJS3) @!\
++SOURCES $(SRCS3) @!\
NormalObjectRule()  @!\
AllTarget(program)  @!\
    @!\
program: $(OBJS3)  @@\

```

```

RemoveTargetProgram($@)  @@\
$(CC) -o $@ $(OBS3) $(JLDFLAGS) $(LIBS) @!\
    @!\
InstallProgram(program,$(BINDIR)) @!\
InstallManPage(program,$(MANSRC))

/*
* ComplexShellManualTarget:
* Builds manual pages that are to be extracted from .SH files into
* $.manext files.
*/
#define ComplexShellManualTarget(manpages) @!\
++MANPAGE manpages @!\
|once _ShellManualRule_ @!\
|rule:.SH.$manext: @!\
|rule:/bin/sh $< @!\
|rule: @!\
-once @!\
AddSuffix(.SH) @!\
AddSuffix($.manext) @!\
AllTarget(manpages) @!\
    @!\
local_install.man:: @@\
    _MakeInstallDirIgnore($(MANSRC)) \    @@\
    for
    file in manpages; do \    @@\
        (set -x; $(INSTALL) -c -m 444 $$file \    @@\
            $(INSTALL_PREFIX)$(MANSRC)) || exit 1; \    @@\
    done @!\
        @!\
local_deinstall.man:: @@\
    @case '${MFLAGS}' in *[i]*) set +e;; esac; \    @@\
    for file in manpages; do \    @@\
        (set -x; $(RM) $(INSTALL_PREFIX)$(MANSRC)/$$file); \    @@\
    done

/*
* Initialize:
* Puts the line symbol = value in the initialization section of
* Makefile.SH (the one that is subject to parameter substitutions).
*/
#define Initialize(symbol,value) @!\
+symbol = value

/*

```

```

* InstallLibrary:
* Generate rules to install the indicated library.
*/
#define InstallLibrary(libname,dest) @!\
local_install:: lib^^libname.a @@\
  _MakeInstallDirIgnore(dest) \ @@\
  $(INSTALL) -c -m 644 lib^^libname.a $(INSTALL_PREFIX)^^dest @@\
  $(RANLIB) dest/lib^^libname.a @@\
  chmod 444 dest/lib^^libname.a @!\
  @!\
local_deinstall::  @@\
$(RM) $(INSTALL_PREFIX)^^dest/lib^^libname.a

/*
* InstallSharedLibrary:
* Generate rules to install
the shared library.
*/
#define InstallSharedLibrary(libname,rev,dest) @!\
local_install:: lib^^libname.so.rev @@\
  _MakeInstallDirIgnore(dest) \ @@\
  $(INSTALL) -c -m 444 lib^^libname.so.rev $(INSTALL_PREFIX)^^dest @!\
  @!\
local_deinstall::  @@\
$(RM) $(INSTALL_PREFIX)^^dest/lib^^libname.so.rev

/*
* InstallSharedLibraryData:
* Generate rules to install the shared library data
*/
#define InstallSharedLibraryData(libname,rev,dest) @!\
local_install:: lib^^libname.sa.rev @@\
  _MakeInstallDirIgnore(dest) \ @@\
  $(INSTALL) -c -m 444 lib^^libname.sa.rev $(INSTALL_PREFIX)^^dest @!\
  @!\
local_deinstall::  @@\
$(RM) $(INSTALL_PREFIX)^^dest/lib^^libname.sa.rev

/*
* InstallLibraryAlias:
* Generate rules to create a link from one library name to another
* for the purposes of aliasing.
*/
#define InstallLibraryAlias(libname,alias,dest) @!\
local_install:: lib^^libname.a @@\

```

```

$(RM) lib^alias.a @@\
-(cd dest; $(LN) lib^libname.a lib^alias.a)
@!\
    @!\
local_deinstall:: @@\
$(RM) dest/lib^alias.a

/*
* InstallLintLibrary:
* Generate rules to install the indicated lint library.
*/
#define InstallLintLibrary(libname,dest) @!\
install.ln:: llib-1^libname.ln @@\
    _MakeInstallDirIgnore(dest) \ @@\
$(INSTALL) -c -m 444 llib-1^libname.ln $(INSTALL_PREFIX)^dest @!\
    @!\
deinstall.ln:: @@\
$(RM) $(INSTALL_PREFIX)^dest/llib-1^libname.ln

/*
* InstallManPageLong:
* Generate rules to install the indicated manual page, giving it an
* alternate name. This is used for installing man pages whose base
* name without the .man suffix would normally be longer than 8
* characters (the limit for using source code control systems on
* files systems with short file names).
*/
#define InstallManPageLong(file,destdir,dest) @!\
local_install.man:: file.man @@\
    _MakeInstallDirIgnore(destdir) \ @@\
$(INSTALL) -c -m 444 file.man $(INSTALL_PREFIX)^destdir/dest.$(L) @!\
    @!\
local_deinstall.man:: @@\
$(RM)
$(INSTALL_PREFIX)^destdir/dest.$(L) @!\

/*
* InstallManPage:
* Generate rules to install the indicated manual page.
*/
#define InstallManPage(file,dest) @!\
InstallManPageLong(file,dest,file)

/*

```



```

* InstallNonExec:
* Generate rules to install a data file using any special
* install flags.
*/
#define InstallNonExec(file,dest) @!\
local_install:: file  @@\
  _MakeInstallDirIgnore(dest) \ @@\
  $(INSTALL) -c -m 444 file $(INSTALL_PREFIX)^^^dest @!\
  @!\
local_deinstall::  @@\
  $(RM) $(INSTALL_PREFIX)^^^dest/file

/*
* InstallProgramWithFlags:
* Generate rules to install an executable program using given
* install flags.
*/
#define InstallProgramWithFlags(program,dest,flags) @!\
local_install:: program  @@\
  _MakeInstallDirIgnore(dest) \ @@\
  $(INSTALL) -c -s -m 555 flags program^^^$_EXE $(INSTALL_PREFIX)^^^dest @!\
  @!\
local_deinstall::  @@\
  $(RM) $(INSTALL_PREFIX)^^^dest/program^^^$_EXE

/*
* InstallProgramNoStripWithFlags:
* Generate rules to install an executable program using given
* install flags.
*/
#define InstallProgramNoStripWithFlags(program,dest,flags) @!\
local_install:: program  @@\
  _MakeInstallDirIgnore(dest) \ @@\
  $(INSTALL) -c -m 555 flags program^^^$_EXE $(INSTALL_PREFIX)^^^dest @!\
  @!\
local_deinstall::  @@\
  $(RM) $(INSTALL_PREFIX)^^^dest/program^^^$_EXE

/*
* InstallProgram:
* Generate rules to install an executable program using any special
* install flags set in $(INSTALLFLAGS).
*/
#define InstallProgram(program,dest) @!\
InstallProgramWithFlags(program,dest,^^)

```

```

/*
* InstallProgramNoStrip:
* Generate rules to install an executable program using any special
* install flags set in $(INSTALLFLAGS), but without stripping the
* executable from debugging symbols.
*/
#define InstallProgramNoStrip(program,dest) @!\
InstallProgramNoStripWithFlags(program,dest,^^)

/*
* InstallScriptWithFlags:
* Generate rules to install an executable script using given
* install
* flags.
*/
#define InstallScriptWithFlags(script,dest,flags) @!\
local_install:: script  @@\
_MakeInstallDirIgnore(dest) \ @@\
$(INSTALL) -c -m 555 flags script $(INSTALL_PREFIX)^^^dest @!\
    @!\
local_deinstall::  @@\
$(RM) $(INSTALL_PREFIX)^^^dest/script

/*
* InstallScript:
* Generate rules to install an executable script using any special
* install flags set in $(INSTALLFLAGS).
*/
#define InstallScript(script,dest) @!\
InstallScriptWithFlags(script,dest,^^)

/*
* InstallScripts:
* Generate rules to install all the scripts listed in the generated
* $(SCRIPTS) and $(LSCRIPTS) macros.
*/
#define InstallScripts() @!\
|once _InstallScripts_ @!\
local_install:: $(SCRIPTS) $(LSCRIPTS)  @@\
_MakeInstallDirIgnore($(SCRIPTDIR)) \ @@\
for file in $(SCRIPTS) $(LSCRIPTS); do \ @@\
    (set -x; \ @@\
    $(INSTALL) -c -m 555 $$file $(INSTALL_PREFIX)$(SCRIPTDIR)) || \ @@\

```

```

    exit 1; \ @@\
done    @!\
    @!\
local_deinstall::  @@\
    @for file in $(SCRIPTS)
$(LSCRIPTS); do \ @@\
    case '${MFLAGS}' in *[i]*) set +e;; esac; \ @@\
    (set -x; $(RM) $(INSTALL_PREFIX)$(SCRIPTDIR)/$$file); \ @@\
done    @!\
-once

/*
* InstallManScripts:
* Generate rule to install/deinstall manual pages for scripts listed
* in the automatically generated $(SCRIPTS) macro.
*/
#define InstallManScripts() @!\
|once _InstallManScripts_ @!\
?NOMAN:|skip    @!\
local_install.man::  @@\
    _MakeInstallDirIgnore$(MANSRC) \ @@\
    for file in $(SCRIPTS); do \ @@\
    if test -f $$file.man; then \ @@\
        (set -x; \    @@\
        $(INSTALL) -c -m 444 $$file.man \ @@\
        $(INSTALL_PREFIX)$(MANSRC)/$$file.$(L)) || \ @@\
        exit 1; \ @@\
    fi; \    @@\
done    @!\
    @!\
local_deinstall.man::  @@\
    case '${MFLAGS}' in *[i]*) set +e;; esac; \ @@\
    for file in $(SCRIPTS); do \ @@\
        (set -x; $(RM) $(INSTALL_PREFIX)$(MANSRC)/$$file.$(L)); \ @@\
    done    @!\
    @!\
-skip    @!\
-once

/*
* LinkFileList:
* Link a list of list of files from one place to another
*/
#define LinkFileList(step,list,dir,sub) @!\
step:: list    @@\
    @case '${MFLAGS}' in *[i]*) set +e;; esac; \ @@\

```

```
echo " cd" dir; cd dir; for i in list; do (set -x; $(LN) sub/$$i .); done
```

```
/*
```

```
* InstallMultipleDestFlags:
```

```
* Generate rules to install multiple files at once during a particular
```

```
* step in the build using a specific set of install flags.
```

```
*/
```

```
#define InstallMultipleDestFlags(step,list,dest,flags) @!\
```

```
step:: list    @@\
```

```
_MakeInstallDirIgnore(dest) \ @@\
```

```
for i in list; do \  @@\
```

```
(set -x; $(INSTALL) -c flags \ @@\
```

```
 $$i $(INSTALL_PREFIX)^^^dest) || exit 1; \  @@\
```

```
done
```

```
/*
```

```
* DeinstallMultipleDest:
```

```
* Generate rules to deinstall multiple files at once during a particular
```

```
* step in the build.
```

```
*/
```

```
#define DeinstallMultipleDest(step,list,dest) @!\
```

```
step::    @@\
```

```
@case '{MFLAGS}' in *[i]*) set +e;; esac; \  @@\
```

```
for i in list; do \  @@\
```

```
(set -x; $(RM) $(INSTALL_PREFIX)^^^dest/$$i); \  @@\
```

```
done
```

```
/*
```

```
* InstallMultiple:
```

```
* Generate rules to install multiple  
files at once during the install
```

```
* step of the build using any install flags set in $(INSTALLFLAGS)
```

```
* and deinstall them.
```

```
*/
```

```
#define InstallMultiple(list,dest) @!\
```

```
InstallMultipleDestFlags(local_install,list,dest,$(INSTALLFLAGS)) @!\
```

```
DeinstallMultipleDest(local_deinstall,list,dest)
```

```
/*
```

```
* InstallMultipleFlags:
```

```
* Generate rules to install multiple files at once during the
```

```
* install step of the build using the given install flags.
```

```
*/
```

```
#define InstallMultipleFlags(list,dest,flags) @!\
```

```
InstallMultipleDestFlags(local_install,list,dest,flags) @!\
```

```
DeinstallMultipleDest(local_deinstall,list,dest)
```

```

/*
* InstallMultipleMan:
* Generate rules to install a variety of manual pages
* during the install.man step of the build.
*/
#define InstallMultipleMan(list,dest) @!\
InstallMultipleDestFlags(local_install.man,list,dest,$(INSTALLFLAGS)) @!\
DeinstallMultipleDest(local_deinstall.man,list,dest)

/*
* DependDependency:
* Generate rules to build the makedepend program.
*/
#define DependDependency()
    @!\
depend:: TOPDIR/mkdep    @!\
    @!\
TOPDIR/mkdep:    @!\
?TOP: @echo "You have to run Configure first."; exit 1 @!\
%TOP: @echo "You have to run Configure in $(TOP) first."; exit 1

/*
* DependTarget:
* Generate rules to compute dependencies for all files listed
* in $(SOURCES) (automatically generated macro).
*/
#define DependTarget() @!\
+USRINC = $usrinc @!\
|once _DependTarget_ @!\
DependDependency() @!\
    @!\
depend::    @@\
$(SED) '/^# DO NOT DELETE/q' Makefile && \ @@\
$(MKDEP) $(SOURCES) | \ @@\
$(SED) -e 's:/usr/lib[^ ]*::g; s:$(USRINC)[^ ]*::g; ' \ @@\
-e '/: / b print' -e '$$ b print' -e 'H; d; n; : print' \ @@\
-e 'x; s\\\$$/; s\\|\\n//g; s/ ^ ^ */ /g; s/ :/:;' -e '/: *$$/d' \ @@\
) > Makefile.new    @@\
cp Makefile Makefile.bak    @@\
cp Makefile.new Makefile    @@\
$(RM) Makefile.new    @!\
    @!\
-once

```

```

/*
* CleanTarget:
* Generate rules to remove any garbage files.
*/
#define CleanTarget() @!\
?SUBDIRS:clean:
sub_clean local_clean @!\
%SUBDIRS:clean: local_clean @!\
?SUBDIRS:realclean: sub_realclean local_realclean @!\
%SUBDIRS:realclean: local_realclean @!\
?SUBDIRS:clobber: sub_clobber local_clobber @!\
%SUBDIRS:clobber: local_clobber @!\
@!\
local_clean:: @@\
if test -f core; then $(RM) core; fi @@\
$(RM) *~ *.o @!\
@!\
local_realclean:: local_clean @!\
?TOP: $(RM) -r UU @!\
@!\
local_clobber:: local_realclean @!\
%TOP: $(RM) Makefile config.sh @!\
?TOP: $(RM) config.sh config.h @!\
?TOP: $(RM) -r .config @!\
?TOP: $(RM) Makefile @!\

/*
* InstallTarget:
* Generate rules to recursively install files
*/
#define InstallTarget() @!\
?SUBDIRS:install:: local_install sub_install @!\
%SUBDIRS:install:: local_install @!\
?SUBDIRS:install.man:: maybe_install.man sub_install.man @!\
%SUBDIRS:install.man:: maybe_install.man @!\
?SUBDIRS:deinstall:: sub_deinstall local_deinstall @!\
%SUBDIRS:deinstall::
local_deinstall @!\
?SUBDIRS:deinstall.man:: sub_deinstall.man maybe_deinstall.man @!\
%SUBDIRS:deinstall.man:: maybe_deinstall.man @!\
@!\
?MANSRC:install.man-yes: local_install.man @!\
install.man-no: @!\
?MANSRC:deinstall.man-yes: local_deinstall.man @!\
deinstall.man-no: @!\

```

```

/*
* TagsTarget:
* Generate rules to compute tags files for C source code.
*/
#define TagsTarget() @!\
tags::    @@\
$(CTAGS) -w *.[ch]  @@\
$(CTAGS) -xw *.[ch] > tags @!\
        @!\
local_clobber::    @@\
$(RM) tags

/*
* BuildMakefileSH:
* Generate rules to build a Makefile.SH from an Jmakefile and any
* special jmake flags. This is generally done automatically by the
* template or by any special Jmakefiles.
* This function will simply touch Makefile.SH if no $(TOP)/.package
* exists, assuming the Jmakefile is not in a production environment.
*/
#define BuildMakefileSH(jmakeflags) @!\
Makefile.SH:
Jmakefile    @@\
-@if test -f $(TOP)/.package; then \ @@\
if test -f Makefile.SH; then \ @@\
    echo " $(RM) Makefile.SH~; $(MV) Makefile.SH Makefile.SH~"; \ @@\
    $(RM) Makefile.SH~; $(MV) Makefile.SH Makefile.SH~; \ @@\
fi; \    @@\
echo " $(JMAKE) -DTOPDIR=$(TOP) -DCURDIR=$(CURRENT)" jmakeflags; \ @@\
$(JMAKE) -DTOPDIR=$(TOP) -DCURDIR=$(CURRENT) jmakeflags; \ @@\
else touch $@; fi

/*
* BuildMakefile:
* Generate rules to build a Makefile from a Makefile.SH.
*/
#define BuildMakefile() @!\
Makefile: Makefile.SH    @@\
/bin/sh Makefile.SH

/*
* MakefileTarget:
* Generate rules to build a normal Makefile.

```

```

*/
#define MakefileTarget() @!\
BuildMakefileSH(^^) @!\
BuildMakefile()

/*
* NormalObjectRule:
* Generate make rule to build usual object files.
*/
#define NormalObjectRule() @!\
|once _ObjectRule_ @!\
|rule:.c.o: @!\
|rule: $(CC) -c $(JCFLAGS) $< @!\
|rule: @!\
-once

/*
* NormalLibraryObjectRule:
* Generate make rules to build
"normal" objects.
*/
#define NormalLibraryObjectRule() @!\
|once _ObjectRule_ @!\
|rule:.c.o: @!\
|rule: $(RM) $@ @!\
|rule: $(CC) -c $(JCFLAGS) $< @!\
|rule: @!\
-once

/*
* ProfiledLibraryObjectRule:
* Generate make rules to build both profiled and "normal" objects.
*/
#define ProfiledLibraryObjectRule() @!\
all:: @@\
@if [ ! -d profiled ]; then mkdir profiled; fi @!\
@!\
|rule:.c.o: @!\
|rule: $(RM) $@ profiled/$@ @!\
|rule: $(CC) -pg -c $(JCFLAGS) $*.c @!\
|rule: $(MV) $*.o profiled/$*.o @!\
|rule: $(CC) -c $(JCFLAGS) $*.c @!\
|rule: @!\
local_clean:: @@\
-@if [ -d profiled ]; then echo " $(RM) profiled/*.*"; \ @@\
$(RM) profiled/*.*; fi

```



```

/*
* DebuggedLibraryObjectRule:
* Generate make rules to build both debuggable and "normal"
* objects.
*/
#define DebuggedLibraryObjectRule() @!\
all::    @@\
    @if [ ! -d debugger ]; then mkdir debugger; fi @!\
        @!\
|rule:.c.o:    @!\
|rule: $(RM) $@
debugger/$@ @!\
|rule: $(CC) -g -c $(JCFLAGS) $*.c @!\
|rule: $(MV) $*.o debugger/$*.o @!\
|rule: $(CC) -c $(JCFLAGS) $*.c @!\
|rule:    @!\
local_clean::    @@\
    -@if [ -d debugger ]; then echo " $(RM) debugger/?*.o"; \ @@\
        $(RM) debugger/?*.o; fi

/*
* DebuggedAndProfiledLibraryObjectRule:
* Generate make rules to build debuggable, profiled, and "normal"
* objects.
*/
#define DebuggedAndProfiledLibraryObjectRule() @!\
all::    @@\
    @if [ ! -d profiled ]; then mkdir profiled; fi @@\
    @if [ ! -d debugger ]; then mkdir debugger; fi @!\
        @!\
|rule:.c.o:    @!\
|rule: $(RM) $@ profiled/$@ debugger/$@ @!\
|rule: $(CC) -pg -c $(JCFLAGS) $*.c @!\
|rule: $(MV) $*.o profiled/$*.o @!\
|rule: $(CC) -g -c $(JCFLAGS) $*.c @!\
|rule: $(MV) $*.o debugger/$*.o @!\
|rule: $(CC) -c $(JCFLAGS) $*.c @!\
|rule:    @!\
local_clean::    @@\
    -@if [ -d profiled ]; then echo " $(RM) profiled/?*.o"; \ @@\
        $(RM) profiled/?*.o; fi @@\
    -@if [ -d debugger ];
then echo " $(RM) debugger/?*.o"; \ @@\
    $(RM) debugger/?*.o; fi

```

```

/*
* SharedLibraryObjectRule:
* Generate make rules to build shared and "normal" object files.
*/
#define SharedLibraryObjectRule() @!\
all::    @@\
    @if [ ! -d shared ]; then mkdir shared; fi @!\
        @!\
|rule:.c.o:    @!\
|rule: $(RM) $@ shared/$@ @!\
|rule: $(CC) -pic -c $(SHARED_CODEDEF) $(SHLIBDEF) $(JCFLAGS) $*.c @!\
|rule: $(MV) $*.o shared/$*.o @!\
|rule: $(CC) -c $(SHLIBDEF) $(JCFLAGS) $*.c @!\
|rule:    @!\
local_clean::    @@\
    -@if [ -d shared ]; then echo " $(RM) shared/?*.o"; \ @@\
        $(RM) shared/?*.o; fi

/*
* SharedAndDebuggedLibraryObjectRule:
* Generate make rules to build shared, debuggable, and "normal"
* object files.
*/
#define SharedAndDebuggedLibraryObjectRule() @!\
all::    @@\
    @if [ ! -d shared ]; then mkdir shared; fi @@\
    @if [ ! -d debugger ]; then mkdir debugger; fi @!\
        @!\
|rule:.c.o:    @!\
|rule: $(RM) $@ shared/$@ debugger/$@ @!\
|rule:
$(CC) -pic -c $(SHARED_CODEDEF) $(SHLIBDEF) $(JCFLAGS) $*.c @!\
|rule: $(MV) $*.o shared/$*.o @!\
|rule: $(CC) -g -c $(SHLIBDEF) $(JCFLAGS) $*.c @!\
|rule: $(MV) $*.o debugger/$*.o @!\
|rule: $(CC) -c $(SHLIBDEF) $(JCFLAGS) $*.c @!\
|rule:    @!\
local_clean::    @@\
    -@if [ -d shared ]; then echo " $(RM) shared/?*.o"; \ @@\
        $(RM) shared/?*.o; fi @@\
    -@if [ -d debugger ]; then echo " $(RM) debugger/?*.o"; \ @@\
        $(RM) debugger/?*.o; fi

/*
* SpecialSharedAndDebuggedObjectRule:
* Generate rules to compile a file with special flags and to make
* shared and debuggable versions.
*/

```

```

#define SpecialSharedAndDebuggedObjectRule(objs,depends,options) @!\
all::    @@\
    @if [ ! -d shared ]; then mkdir shared; fi @@\
    @if [ ! -d debugger ]; then mkdir debugger; fi @!\
        @!\
objs: depends    @@\
$(RM) $@ shared/$@ debugger/$@ @@\
$(CC) -pic -c $(SHARED_CODEDEF) $(SHLIBDEF) $(JCFLAGS) options $*.c @@\
$(MV) $*.o shared/$*.o  @@\
$(CC)
-g -c $(SHLIBDEF) $(JCFLAGS) options $*.c  @@\
$(MV) $*.o debugger/$*.o  @@\
$(CC) -c $(SHLIBDEF) $(JCFLAGS) options $*.c

/*
* SpecialSharedObjectRule:
* Generate rules to compile a file with special flags and to make
* shared and debuggable versions.
*/
#define SpecialSharedObjectRule(objs,depends,options) @!\
all::    @@\
    @if [ ! -d shared ]; then mkdir shared; fi @!\
        @!\
objs: depends    @@\
$(RM) $@ shared/$@  @@\
$(CC) -pic -c $(SHARED_CODEDEF) $(SHLIBDEF) $(JCFLAGS) options $*.c @@\
$(MV) $*.o shared/$*.o  @@\
$(CC) -c $(SHLIBDEF) $(JCFLAGS) options $*.c

/*
* SpecialObjectRule:
* Generate rules to compile a file with special flags.
*/
#define SpecialObjectRule(objs,depends,options) @!\
objs: depends    @@\
$(RM) $@  @@\
$(CC) -c $(JCFLAGS) options $*.c

/*
* SpecialProfiledObjectRule:
* Generate rules to compile a file with special flags and to make a
* profiled version.
*/
#define SpecialProfiledObjectRule(objs,depends,options) @!\
all::    @@\
@if

```

```

[ ! -d profiled ]; then mkdir profiled; fi @!\
    @!\
objs: depends    @@\
$(RM) $@ profiled/$@  @@\
$(CC) -pg -c $(JCFLAGS) options $*.c @@\
$(MV) $*.o profiled/$*.o  @@\
$(CC) -c $(JCFLAGS) options $*.c

/*
* SpecialDebuggedObjectRule:
* Generate rules to compile a file with special flags and to make a
* debuggable version.
*/
#define SpecialDebuggedObjectRule(objs,depends,options) @!\
all::    @@\
@if [ ! -d debugger ]; then mkdir debugger; fi @!\
    @!\
objs: depends    @@\
$(RM) $@ debugger/$@  @@\
$(CC) -g -c $(JCFLAGS) options $*.c @@\
$(MV) $*.o debugger/$*.o  @@\
$(CC) -c $(JCFLAGS) options $*.c

/*
* SpecialDebuggedAndProfiledObjectRule:
* Generate rules to compile a file with special flags and to make
* debuggable and profiled versions.
*/
#define SpecialDebuggedAndProfiledObjectRule(objs,depends,options) @!\
all::    @@\
@if [ ! -d profiled ]; then mkdir profiled; fi @@\
@if [ ! -d
debugger ]; then mkdir debugger; fi @!\
    @!\
objs: depends    @@\
$(RM) $@ profiled/$@ debugger/$@  @@\
$(CC) -pg -c $(JCFLAGS) options $*.c @@\
$(MV) $*.o profiled/$*.o  @@\
$(CC) -g -c $(JCFLAGS) options $*.c @@\
$(MV) $*.o debugger/$*.o  @@\
$(CC) -c $(JCFLAGS) options $*.c

/*
* NormalLibraryTarget:
* Generate rules to create a library. The 'srclist' and 'objlist'

```

```

* parameters are added to SOURCES and OBJECTS macros. The 'srclist'
* is not otherwise used by this rule, but is necessary for make depend.
*/
#define NormalLibraryTarget(libname,srclist,objlist) @!\
++OBJECTS objlist @!\
++SOURCES srclist @!\
NormalLibraryObjectRule() @!\
AllTarget(lib^^libname.a) @!\
    @!\
lib^^libname.a: objlist  @@\
$(RM) $@  @@\
$(AR) $@ objlist  @@\
$(RANLIB) $@

/*
* NormalSharedLibraryTarget:
* Generate rules to create a shared library; build it into a
* different name so that the we don't hose people by having the
* library gone for long periods.
*/
#define
NormalSharedLibraryTarget(libname,rev,sohist) @!\
AllTarget(lib^^libname.so.rev) @!\
    @!\
lib^^libname.so.rev: sohist  @@\
$(RM) $@~  @@\
(cd shared; $(LD) -o ../$@~ -assert pure-text sohist)  @@\
$(RM) $@  @@\
$(MV) $@~ $@

/*
* NormalSharedLibraryDataTarget:
* Generate rules to create shlib data file; build it into a
* different name so that the we don't hose people by having the
* library gone for long periods.
*/
#define NormalSharedLibraryDataTarget(libname,rev,salist) @!\
AllTarget(lib^^libname.sa.rev) @!\
    @!\
lib^^libname.sa.rev: salist  @@\
$(RM) $@  @@\
$(AR) $@ salist  @@\
$(RANLIB) $@

/*
* NormalLibraryTarget2:

```

```

* Generate rules to create a library in two steps. This is used to
* create libraries with large numbers of files.
*/
#define NormalLibraryTarget2(libname,srclist,objlist1,objlist2) @!\
++SOURCES srclist @!\
++OBJECTS objlist1 @!\
++OBJECTS objlist2 @!\
NormalLibraryObjectRule() @!\
AllTarget(lib^^libname.a) @!\
    @!\
lib^^libname.a:
objlist1 objlist2 @@\
$(RM) $@    @@\
$(AR) $@ objlist1    @@\
$(AR) $@ objlist2    @@\
$(RANLIB) $@

/*
* ProfiledLibraryTarget:
* Generate rules to create a profiled library.
*/
#define ProfiledLibraryTarget(libname,srclist,objlist) @!\
++SOURCES srclist @!\
++OBJECTS objlist @!\
AllTarget(lib^^libname^^_p.a) @!\
    @!\
lib^^libname^^_p.a: objlist    @@\
$(RM) $@    @@\
cd profiled; $(AR) ../$@ objlist @@\
$(RANLIB) $@

/*
* DebuggedLibraryTarget:
* Generate rules to create a debuggable library.
*/
#define DebuggedLibraryTarget(libname,srclist,objlist) @!\
++SOURCES srclist @!\
++OBJECTS objlist @!\
AllTarget(lib^^libname^^_d.a) @!\
    @!\
lib^^libname^^_d.a: objlist    @@\
$(RM) $@    @@\
cd debugger; $(AR) ../$@ objlist @@\
$(RANLIB) $@

```

```

/*
* AliasedLibraryTarget:
* Generate rules to link one library to another.
*/
#define AliasedLibraryTarget(libname,alias) @!\
AllTarget(lib^^alias.a) @!\
    @!\
lib^^alias.a:
lib^^libname.a @@\
$(RM) $@  @@\
$(LN) lib^^libname.a $@

/*
* PrelinkedRelocatableTarget:
* Generate rules to produce a relocatable object file instead of a
* library.
*/
#define PrelinkedRelocatableTarget(objname,objlist,libs) @!\
AllTarget(objname.o) @!\
    @!\
objname.o: objlist  @@\
$(RM) $@  @@\
$(LD) $(JLDFLAGS) -r objlist -o $@ libs

/*
* NormalObjectTarget:
* Generate rules to produce a single object file.o from a file.c.
*/
#define NormalObjectTarget(file) @!\
++SOURCES file^^.c  @!\
AllTarget(file^^.o) @!\
NormalObjectRule()

/*
* NormalRelocatableTarget:
* Generate rules to produce a relocatable object file instead of a
* library.
*/
#define NormalRelocatableTarget(objname,objlist) @!\
AllTarget(objname.o) @!\
    @!\
objname.o: objlist  @@\
$(RM) $@  @@\
$(LD) $(JLDFLAGS) -r objlist -o $@

```

```

/*
* ProfiledRelocatableTarget:
* Generate rules to produce a profiled relocatable object file
* instead
* of a library.
*/
#define ProfiledRelocatableTarget(objname,objlist) @!\
AllTarget(objname^^_p.o) @!\
    @!\
objname^^_p.o: objlist  @@\
$(RM) $@  @@\
$(LD) -X -r objlist -o $@

/*
* DebuggedRelocatableTarget:
* Generate rules to produce a debuggable relocatable object file
* instead of a library.
*/
#define DebuggedRelocatableTarget(objname,objlist) @!\
AllTarget(objname^^_d.o) @!\
    @!\
objname^^_d.o: objlist  @@\
$(RM) $@  @@\
$(LD) -X -r objlist -o $@

/*
* LintLibraryTarget:
* Generate rules to create a lint library. Note that the lint
* library is always forced to be newer than the library itself.
*/
#define LintLibraryTarget(libname,srclist) @!\
lintlib:: llib-l^^libname.ln @!\
    @!\
llib-l^^libname.ln: srclist  @@\
$(RM) $@  @@\
$(LINT) $(LINTLIBFLAG)^^libname $(LINTFLAGS) srclist

/*
* NormalLintTarget:
* Generate rules to lint a set of sources.
*/
#define NormalLintTarget(srclist) @!\
lint:  @@\
$(LINT) $(LINTFLAGS) srclist
$(LINTLIBS)

```



```

/*
* LintTarget:
* Generate rules to lint $(SOURCES) (automatically generated)
*/
#define LintTarget() @!\
|once _LintTarget_ @!\
NormalLintTarget($(SOURCES)) @!\
-once

```

```

/*
* LinkSourceFile:
* Snag source file from some other directory
*/
#define LinkSourceFile(src,dir) @!\
src: dir/src @@\
$(RM) $@ @@\
$(LN) $? $@ @!\

```

```

/*
* MakeSubincludesForBuild:
* Make includes in sub directories.
*/
#define MakeSubincludesForBuild(step,dir,srclist) @!\
step:: dir srclist @@\
@-(list=`echo srclist | sed -e 's/[^\ ]*///g^'; \ @@\
set -x; cd dir; $(RM) $$list) @@\
@for i in srclist; do \ @@\
(set -x; cd dir; $(LN) ../$${i} .) || exit 1; \ @@\
done @@\
@!\
MakeDirectories(dir,dir) @!\
@!\
local_realclean:: @@\
@-(if [ -d dir ]; then \ @@\
list=`echo srclist | sed -e 's/[^\ ]*///g^'; \ @@\
set -x; cd dir; $(RM) $$list; fi)

```

```

/*
* CommonSubdirsRule:
* Rule for making $(TARGET) in
every subdirectory, with $(VERB) as
* verbose message and $(FLAGS) as additional flags.
*/
#define CommonSubdirsRule(dirs) @!\

```

```

subdirs:    @@\
@case '${MFLAGS}' in *[ik]*) set +e;; esac; \  @@\
for i in dirs ;\  @@\
do \    @@\
(cd $$i ; echo $(VERB) "in $(DIR)$$i..."; \  @@\
$(MAKE) $(MFLAGS) $(FLAGS) $(TARGET)) || exit 1; \  @@\
done

```

```

/*
* NamedTargetSubdirsRule:
* Recursively make a series of steps in the specified directories.
*/

```

```

#define NamedTargetSubdirsRule(dirs,name,verb,flags) @!\
name::    @@\
@case '${MFLAGS}' in *[ik]*) set +e;; esac; \  @@\
for i in dirs ;\  @@\
do \    @@\
(cd $$i ; echo verb "in $(DIR)$$i..."; \  @@\
$(MAKE) $(MFLAGS) flags name) || exit 1; \  @@\
done

```

```

/*
* NamedTargetSubdirs:
* Recursively make a series of steps.
*/
#define NamedTargetSubdirs(name,verb,flags) @!\
name::    @@\
@$(MAKE) subdirs TARGET=name VERB=verb FLAGS=flags

```

```

/*
* NamedSubTargetSubdirs:
* Recursively make a series of steps,
like NamedTargetSubdirs.
* However, the supplied "name" has "sub_" prefixed to it.
*/
#define NamedSubTargetSubdirs(name,verb,flags) @!\
sub_^^name::    @@\
@$(MAKE) subdirs TARGET=name VERB=verb FLAGS=flags

```

```

/*
* NamedDepthTargetSubdirs:
* Recursively make a series of steps. We first enter the
subdirectories, then perform the local entries.
* The supplied "name" has "sub_" prefixed to it.
*/

```

```
#define NamedDepthTargetSubdirs(name,verb,flags) @!\nsub_^^^name::  @@\@$(MAKE) subdirs TARGET=name VERB=verb FLAGS=flags @@\@echo "Back to $(CURRENT) for "name^^^...
```

```
/*
```

```
* MakeSubdirs:* Generate rules to do makes in the given subdirectories.
```

```
*/
```

```
#define MakeSubdirs() \NamedTargetSubdirs(all,"Making all",^^)
```

```
/*
```

```
* DependDirs:* Generate rules to recursively compute dependencies as part of the  
* make depend step.
```

```
*/
```

```
#define DependDirs(dirs) \NamedTargetSubdirsRule(dirs,depend,"Depending",^^)
```

```
/*
```

```
* DependSubdirs:* Generate rules to recursively compute dependencies  
as part of the  
* make depend step.
```

```
*/
```

```
#define DependSubdirs() \DependDirs($(SUBDIRS))
```

```
/*
```

```
* InstallSubdirs:* Generate rules to recursively install and deinstall programs and  
* files.
```

```
*/
```

```
#define InstallSubdirs() \NamedSubTargetSubdirs(install,"Installing",^^) @!\nNamedDepthTargetSubdirs(deinstall,"Deinstalling",^^)
```

```
/*
```

```
* InstallManSubdirs:* Generate rules to recursively install and deinstall manual pages.
```

```
*/
```

```
#define InstallManSubdirs() \
```

```
NamedSubTargetSubdirs(install.man,"Installing man pages",^^) @!\
NamedDepthTargetSubdirs(deinstall.man,"Deinstalling man pages",^^)
```

```
/*
```

```
* IncludesSubdirs:
```

```
* Generate rules to recursively put include files in build
```

```
*/
```

```
#define IncludesSubdirs() \
```

```
NamedTargetSubdirs(includes,including,^^)
```

```
/*
```

```
* CleanSubdirs:
```

```
* Generate rules to recursively clean out garbage files.
```

```
*/
```

```
#define CleanSubdirs() \
```

```
NamedDepthTargetSubdirs(clean,"Cleaning",^^) @!\
```

```
NamedDepthTargetSubdirs(realclean,"Real cleaning",^^) @!\
```

```
NamedDepthTargetSubdirs(clobber,"Clobbering",^^)
```

```
/*
```

```
* TagSubdirs:
```

```
* Generate rules to recursively create tags files.
```

```
*/
```

```
#define TagSubdirs(dirs) \
```

```
NamedTargetSubdirsRule(dirs,tag,"Tagging",^^)
```

```
/*
```

```
* MakeLintSubdirs:
```

```
* Generate rules to recursively lint directories as part of the
```

```
* named step.
```

```
*/
```

```
#define MakeLintSubdirs(dirs,target) \
```

```
NamedTargetSubdirsRule(dirs,target,"Linting",^^)
```

```
/*
```

```
* LintDirs:
```

```
* Generate rules to recursively lint directories as part of the
```

```
* make lint step.
```

```
*/
```

```
#define LintDirs(dirs) \
```

```
MakeLintSubdirs(dirs,lint)
```

```
/*
```

```

* LintSubdirs:
* Generate rules to recursively lint directories as part of the
* make lint step.
*/
#define LintSubdirs() \
LintDirs($(SUBDIRS))

/*
* MakeDirs:
* Creates a set of directories, even if some directories in the path
* do not already exist. There should be no '@!' at the end of the
* '#define' line, because this macro is used *inside* building rules.
*/
#define MakeDirs(dirs) \
@case '${MFLAGS}' in *[i]*) set +e;; esac; \ @@\
for dir in dirs;
do \    @@\
(set -x; test -d $$dir || $(INSTALLDIR) $$dir) || \ @@\
exit 1; \ @@\
done

/*
* _MakeInstallDirs:
* Creates a set of intall directories, even if some directories in the path
* do not already exist. There should be no '@!' at the end of the
* '#define' line, because this macro is used *inside* building rules.
*/
#define _MakeInstallDirs(dirs) \
@case '${MFLAGS}' in *[i]*) set +e;; esac; \ @@\
for dir in dirs; do \    @@\
_MakeInstallDir($$dir) \    @@\
done

/*
* _MakeInstallDir:
* Internal macro to create a missing install directory.
*/
#define _MakeInstallDir(dir) \
(set -x; test -d $(INSTALL_PREFIX)^dir || \ @@\
$(INSTALLDIR) $(INSTALL_PREFIX)^dir);

/*
* _MakeInstallDirIgnore:
* Same as _MakeInstallDir but handles "make -i" as well.
*/
#define _MakeInstallDirIgnore(dir) \
@case '${MFLAGS}' in *[i]*) set +e;; esac; \ @@\

```

```

_MakeInstallDir(dir)

/*
* _RmInstallDirs:
* Removes a set of intall directories.
* There should be no '@!'
  at the end of the '#define' line, because this
* macro is used *inside* building rules.
*/
#define _RmInstallDirs(dirs) \
  @case '${MFLAGS}' in *[i]*) set +e;; esac; \ @@\
  for dir in dirs; do \    @@\
    (set -x; test -d $$dir && $(RM) -r $(INSTALL_PREFIX)$$dir); \ @@\
  done

/*
* MakeDirectories:
* Generate rules to create a hierarchy of directories.
*/
#define MakeDirectories(step,dirs) @!\
step::    @@\
  MakeDirs(dirs)

/*
* MakeInstallDirectories:
* Generate a rule to create a set of directories at installation
* time (removed by deinstall).
*/
#define MakeInstallDirectories(dirs) @!\
local_install::  @@\
  _MakeInstallDirs(dirs) @!\
  @!\
local_deinstall:: @@\
  _RmInstallDirs(dirs)

/*
* MakeLintLibSubdirs:
* Generate rules to recursively create lint libraries.
*/
#define MakeLintLibSubdirs(dirs) @!\
MakeLintSubdirs(dirs,lintlib)

/*
* MakeMakeSubdirs:
* Generate rules to recursively recreate target as part of the

```

\* specified step in the build.

This assumes Makefile.SH has

\* already been built (which is the case for a delivery), but does

\* not rely on the existence of a Makefile.

\*/

```
#define MakeMakeSubdirs(target) @!\ntarget::    @@\@case '{MFLAGS}' in *[ik]*) set +e;; esac; \ @@\for i in $(SUBDIRS); \ @@\do \      @@\echo "Making "target" in $(DIR)$Si..."; \ @@\(cd $Si || exit 1; \ @@\if test ! -f Makefile; then /bin/sh Makefile.SH; fi; \ @@\$(MAKE) $(MFLAGS) target) || exit 1; \ @@\done
```

/\*

\* MakeMakefilesSH:

\* Generate rules to recursively recreate target as part of the

\* specified step in the build. If \$(TOP) is set to an absolute

\* path, don't prepend the ../ prefix. This makes running things

\* outside of the source tree to be much easier.

\*/

```
#define MakeMakefilesSH() @!\nMakefiles.SH:: Makefile.SH  @@\@case '{MFLAGS}' in *[ik]*) set +e;; esac; \ @@\for i in $(SUBDIRS); \ @@\do \      @@\case "$(DIR)$Si/" in \      @@\^^*^^/^^*^^/^^*^^/^^*^^) newtop=../../...;;\ @@\^^*^^/^^*^^/^^*^^) newtop=../../...; \ @@\^^*^^/^^*^^) newtop=../...; \ @@\*^^) newtop=...; \      @@\esac; \      @@\case "$(TOP)" in \      @@\/^^*) newtop="$(TOP)" ;; \      @@\esac; \      @@\echo "Making Makefiles.SH in $(DIR)$Si..."; \ @@\(cd $Si || exit 1; \ @@\if test -f Jmakefile; then \ @@\$(MAKE) $(MFLAGS) -f ../Makefile \ @@\Makefile TOP=$$newtop CURRENT=$(DIR)$Si && \ @@\$(MAKE) $(MFLAGS) Makefiles.SH; \ @@\fi; \      @@\) || exit 1; \ @@\done
```

```

/*
* MakefileSubdirs:
* Generate rules to create Makefiles.
*/
#define MakefileSubdirs() @!\
MakeMakeSubdirs(Makefiles) @!\
MakeMakefilesSH()

/*
* CppScriptTarget:
* Generate rules to create a shell script by running the input
* through cpp.
*/
#define CppScriptTarget(dst,src,defs,deplist) @!\
dst:: src deplist    @@\
$(RM) $@    @@\
$(CPP) defs <src | \  @@\
sed -e '/^# *[0-9][0-9]* *.*$$/d' >$@    @@\
chmod a+x $@

/*
* MakeScriptFromCpp:
* Generate rules to create a script from a file with a
* .cpp suffix.
*/
#define MakeScriptFromCpp(name,defs) @!\
CppScriptTarget(name,name.cpp,defs,^^)

/*
* ShellScriptTargetExt:
* Generate rules to create and install a set of scripts from
* ext files (.sh and .SH are the most common examples). Man pages
* derived from the name of the scripts are also installed unless
* NoManPages() is specified.
*/
#define ShellScriptTargetExt(scripts,ext) @!\
++SCRIPTS scripts @!\
SimpleShellScriptTargetExt(scripts,ext) @!\
InstallScripts()    @!\
InstallManScripts()

/*

```



```

* ShellScriptTarget:
* Generate rules to create and install a set of scripts from
* .SH files. Man pages derived from the name of the scripts are
* also installed unless NoManPages() is specified.
*/
#define ShellScriptTarget(scripts) @!\
ShellScriptTargetExt(scripts,.SH)

/*
* SimpleShellScriptTargetExt:
* Generate rules to create a set of scripts from ext files where
* ext is usually
* something like .sh or .SH, or whatever file
* extension you like..
*/
#define SimpleShellScriptTargetExt(scripts,ext) @!\
AllTarget(scripts) @!\
    @!\
|expand s!scripts! @!\
!s: !s^^ext @@\
/bin/sh !s^^ext @!\
    @!\
-expand

/*
* SimpleShellScriptTarget:
* Generate rules to create a set of scripts from .SH files.
*/
#define SimpleShellScriptTarget(scripts) @!\
SimpleShellScriptTargetExt(scripts,.SH)

/*
* ShellScriptLongTarget:
* Generate rules to create a set of scripts from .SH files where
* the name of the generated file is different from the basename of
* the .SH file (when, for instance, the total length with the .SH
* extension would not leave enough space for RCS ,v extension).
*/
#define ShellScriptLongTarget(basename,scriptname) @!\
++LSCRIPTS scriptname @!\
AllTarget(scriptname) @!\
    @!\
scriptname: basename^^.SH @@\
/bin/sh basename^^.SH @!\
    @!\

```

```

InstallScripts() @!\
?NOMAN:|skip @!\
InstallManPageLong(basename,$(MANSRC),scriptname) @!\
-skip

/*
 * ForceTarget:
 * The force target will force reconstruction of all the other
 * targets which include .FORCE in their own dependencies.
 */
#define ForceTarget() @!\
|once _force_ @!\
.FORCE: @!\
    @!\
-once

/*
 * RemoteTargetDependency:
 * A local target may rely on a remote dependency (e.g. a library)
 * made in a separate directory. This rule explicits the dependency
 * and forces a make of that dependency in the remote directory.
 */
#define RemoteTargetDependency(target,directory,dependency) @!\
RemoteDependency(directory,dependency) @!\
target: directory/^^^dependency @!\

/*
 * RemoteDependency:
 * Specify rules for making a remote dependency.
 */
#define RemoteDependency(directory,dependency) @!\
ForceTarget() @!\
|once =directory/^^^dependency= @!\
directory/^^^dependency: .FORCE @@\
    @echo "Checking "^^^dependency" in "^^^directory"..." @@\
    cd ^^^directory; $(MAKE) ^^^dependency @@\
    @echo "Continuing in $(CURRENT)..." @!\
    @!\
-once

/*
 * SetSubdirs:
 * Actually forces the definition of SUBDIRS, and lets the user
 * specify what the sub-directories are. This will be added to the
 * customization part.

```

```

*/
#define SetSubdirs(subdirs) @!\
>SUBDIRS @!\
+SUBDIRS = subdirs

/*
* NoManPages:
* Actually forces the definition of NOMAN, which tells the jmake
* program to not generate rules for installing manual pages.
*/
#define NoManPages() @!\
>NOMAN

/*
* Expand:
* This powerful macro expands the `rule' given a `pattern'. It
* relies on a built-in command in jmake. The expansion is
* documented in the short notes file that comes with jmake and
* gives some insights on the internal syntax.
*/
#define Expand(rule, pattern) @!\
|expand pattern @!\
rule @!\
-expand

/*
* Lex and yacc stuff.
*/

/*
* YaccRule:
* This is the rule which is used to build a .c file from a .y file.
*/
#define YaccRule() @!\
AddSuffix(.y) @!\
|once _YaccRule_ @!\
|rule:.y.c: @!\
|rule: $(YACC) $(JYFLAGS)
$< @!\
|rule: $(MV) y.tab.c $@ @!\
|rule: @!\
-once

/*
* SimpleYaccTarget:

```

- \* Declare a yacc base.y file to be used in the building of the
- \* specified target program. The source file must be given without
- \* its final .y extension. The name of the .c and .o will be
- \* derived from the source file basename provided.

\*/

```
#define SimpleYaccTarget(program,base) @!\
```

```
++SOURCES base.y @!\
```

```
++OBJECTS base.o @!\
```

```
YaccRule() @!\
```

```
program: base.c @!\
```

```
@!\
```

```
local_realclean:: @@\
```

```
$(RM) base.c @!\
```

/\*

- \* ComplexYaccTarget:

- \* Declare a yacc base.y file to be used in the building of the
- \* specified target program. The source file must be given without
- \* its final .y extension. The name of the .c and .o will be
- \* derived from the source file basename provided.
- \* The difference with SimpleYaccTarget is the identifying process
- \* where all the 'yy' are replaced by the specified prefix.

\*/

```
#define ComplexYaccTarget(program,base,prefix) @!\
```

```
++SOURCES base.y @!\
```

```
++OBJECTS base.o
```

```
@!\
```

```
program: base.c @!\
```

```
@!\
```

```
base.c: base.y @@\
```

```
$(YACC) $(JYFLAGS) base.y @@\
```

```
$(SED) -e 's/yy\(.)/prefix\1/g' < y.tab.c > base.c @@\
```

```
$(SED) -e 's/yy\(.)/prefix\1/g' < y.tab.h > base.h @@\
```

```
$(RM) y.tab.c y.tab.h @!\
```

```
@!\
```

```
local_realclean:: @@\
```

```
$(RM) base.c @!\
```

/\*

- \* SimpleYaccInclude:

- \* Declare that program will need an include file produced by
- \* the output of yacc on base.y, which typically produces a file
- \* named y.tab.h, which will be renamed as base.h.
- \* The only problem is that the dependencies towards base.h have
- \* to be manually given in the Jmakefile.

\*/

```

#define SimpleYaccInclude(base) @!\
base.h: base.c @@\
@if test -f y.tab.h; then \ @@\
  echo " $(MV) y.tab.h $@"; \ @@\
  $(MV) y.tab.h $@; \ @@\
fi    @!\
    @!\
local_realclean::  @@\
$(RM) base.h

/*
* ComplexYaccInclude:
* Declare that program will need an include file produced by
* the output of yacc on base.y, which typically produces a file
* named y.tab.h, which will
* be renamed as base.h.
* The difference with SimpleYaccInclude is the identifying process
* of the y.tab.h file where all 'yy' are renamed to prefix.
* The only problem is that the dependencies towards base.h have
* to be manually given in the Jmakefile.
*/
#define ComplexYaccInclude(base,prefix) @!\
base.h: base.c @@\
@if test -f y.tab.h; then \ @@\
  echo " $(SED) -e 's/yy\(.)/prefix\1/g' < y.tab.h > base.h"; \ @@\
  $(SED) -e 's/yy\(.)/prefix\1/g' < y.tab.h > base.h; \ @@\
  echo " $(RM) y.tab.h"; \ @@\
  $(RM) y.tab.h; \ @@\
elif test -f base.h; then \ @@\
  echo " $(CP) base.h base.ht"; \ @@\
  $(CP) base.h base.ht; \ @@\
  echo " $(SED) -e 's/yy\(.)/prefix\1/g' < base.ht > base.h"; \ @@\
  $(SED) -e 's/yy\(.)/prefix\1/g' < base.ht > base.h; \ @@\
  echo " $(RM) base.ht"; \ @@\
  $(RM) base.ht; \ @@\
fi    @!\
    @!\
local_realclean::  @@\
$(RM) base.h

/*
* NormalYaccTarget:
* Declare a yacc base.y file which should produce a base.c and
* base.h file
* as derived from the output of yacc, to be used by
* the specified program.
*/

```

```

#define NormalYaccTarget(program,base) @!\
SimpleYaccTarget(program,base) @!\
SimpleYaccInclude(base)

/*
* IdentifiedYaccTarget:
* Declare a yacc base.y file which should produce a base.c and
* base.h file as derived from the output of yacc, to be used by
* the specified program. The specified prefix is used to remplace
* all the 'yy' in the generated file, for use when more than a
* single parser is needed in one executable.
*/
#define IdentifiedYaccTarget(program,base,prefix) @!\
ComplexYaccTarget(program,base,prefix) @!\
ComplexYaccInclude(base,prefix)

/*
* SimpleLexTarget:
* This declares a lex base.l file which is to be ran through
* lex to produce a base.c file.
*/
#define SimpleLexTarget(program,base) @!\
++SOURCES base.l @!\
++OBJECTS base.o @!\
|once _LexRule_ @!\
|rule:.l.c: @!\
|rule: $(LEX) $(JLFLAGS) $< @!\
|rule: $(MV) lex.yy.c $@ @!\
|rule: @!\
-once @!\
AddSuffix(.l) @!\
program:
base.c @!\
    @!\
local_realclean:: @@\
$(RM) base.c @!\

/*
* IdentifiedLexTarget:
* This declares a lex base.l file which is to be ran through
* lex to produce a base.c file. The prefix is used to replace
* the 'yy', so that the lexical analyzer may be identified.
*/
#define IdentifiedLexTarget(program,base,prefix) @!\
++SOURCES base.l @!\

```

```

++OBJECTS base.o @!\
program: base.c @!\
    @!\
base.c: base.l @@\
$(LEX) $(JLFLAGS) base.l @@\
$(SED) -e 's/yy\(.)/prefix\1/g' < lex.yy.c > base.c @@\
$(RM) lex.yy.c @!\
    @!\
local_realclean:: @@\
$(RM) base.c @!\

/*
 * NormalLexDependTarget:
 * Declare that program will need an include file produced by
 * the output of lex on base.l, which typically produces a file
 * named lex.yy.c which will be renamed as base.c. Besides, the
 * lexical analyzer needs the file parser.h produced by running
 * parser.y through yacc and renaming y.tab.h as parser.h.
 */
#define NormalLexDependTarget(program,base,parser)
    @!\
base.o: parser.h @!\
    @!\
SimpleLexTarget(program,base)

/*
 * IdentifiedLexDependTarget:
 * Declare that program will need an include file produced by
 * the output of lex on base.l, which typically produces a file
 * named lex.yy.c which will be renamed as base.c. Besides, the
 * lexical analyzer needs the file parser.h produced by running
 * parser.y through yacc and renaming y.tab.h as parser.h.
 * The lexical analyzer is identified with the supplied prefix,
 * which replaces the regular 'yy' prefix in the symbol names.
 */
#define IdentifiedLexDependTarget(program,base,parser,prefix) @!\
base.o: parser.h @!\
    @!\
IdentifiedLexTarget(program,base,prefix)

/*
 * NormalParserTarget:
 * Specify that program is using the lex/yacc combination to
 * produce a parser. The lexic and parser parameters are the
 * base name of the .l and .y file, respectively.

```

```

*/
#define NormalParserTarget(program,lexic,parser) @!\
NormalLexDependTarget(program,lexic,parser)
@!\
NormalYaccTarget(program,parser)

/*
* IdentifiedParserTarget:
* Specify that program is using the lex/yacc combination to
* produce a parser. The lexic and parser parameters are the
* base name of the .l and .y file, respectively. The parser
* produced is identified via its prefix, which replaces all
* the normally supplied 'yy' prefix, hence making it possible
* to have multiple parsers in a single executable.
*/
#define IdentifiedParserTarget(program,lexic,parser,prefix) @!\
IdentifiedLexDependTarget(program,lexic,parser,prefix) @!\
IdentifiedYaccTarget(program,parser,prefix)

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/files/Imake.rules

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: Prefixup.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Prefixup.U,v $
?RCS: Revision 3.0.1.1 1995/01/30 14:30:40 ram
?RCS: patch49: created
?RCS:
?X:
?X: Used as: "set dflt; eval $prefixup" to set $dflt to be $prefix/dir
?X: instead of $prefixexp/dir, in case portability was involved somehow
?X: and $prefix uses ~name expansion.
?X:
?MAKE:Prefixup: prefix prefixexp
?MAKE: -pick add $@ %<
?LINT:define prefixup
?S:prefixup:

```



?S: This shell variable is used internally by Configure to reset  
 ?S: the leading  
 installation prefix correctly when \$prefix uses  
 ?S: ~name expansion.  
 ?S: set dflt  
 ?S: eval \$prefixup  
 ?S: That will set \$dflt to \$prefix/dir if it was \$prefixexp/dir and  
 ?S: \$prefix differs from \$prefixexp.  
 ?S:.  
 ?V:prefixup  
 : set the prefixup variable, to restore leading tilda escape  
 prefixup='case "\$prefixexp" in  
 "\$prefix") ;;  
 \*) eval "\$1=\`echo \\$\$1 | sed \'s,^\$prefixexp,\$prefix,\`\'";;  
 esac'

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Prefixup.U

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?RCS: \$Id: i\_string.U 1 2006-08-24 12:32:52Z rmanfredi \$  
 ?RCS:  
 ?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
 ?RCS:  
 ?RCS: You may redistribute only under the terms of the Artistic Licence,  
 ?RCS: as specified in the README file that comes with the distribution.  
 ?RCS: You may reuse parts of this distribution only within the terms of  
 ?RCS: that same Artistic Licence; a copy of which may be found at the root  
 ?RCS: of the source tree for dist 4.0.  
 ?RCS:  
 ?RCS: \$Log: i\_string.U,v \$  
 ?RCS: Revision 3.0.1.2 1993/10/16 13:50:12 ram  
 ?RCS: patch12: special units Loc and Guess were missing from dependencies  
 ?RCS:  
 ?RCS: Revision 3.0.1.1 1993/09/13 16:07:26 ram  
 ?RCS: patch10: removed "(Actually, this looks more like...)" messages (WAD)  
 ?RCS:  
 ?RCS: Revision 3.0 1993/08/18 12:08:28 ram  
 ?RCS: Baseline for dist 3.0 netwide release.  
 ?RCS:  
 ?X:  
 ?X: See if we should include <string.h> or <strings.h>  
 ?X:  
 ?MAKE:i\_string strings:  
 test Setvar Findhdr Warn  
 ?MAKE: -pick add \$@ %<  
 ?S:i\_string:

?S: This variable conditionally defines the I\_STRING symbol, which  
?S: indicates that <string.h> should be included rather than <strings.h>.  
?S:.  
?S:strings:  
?S: This variable holds the full path of the string header that will be  
?S: used. Typically /usr/include/string.h or /usr/include/strings.h.  
?S:.  
?C:I\_STRING:  
?C: This symbol, if defined, indicates to the C program that it should  
?C: include <string.h> (USG systems) instead of <strings.h> (BSD systems).

```
?C:.  
?H:#$i_string I_STRING /**/  
?H:.  
?LINT:set i_string  
: see which of string.h or strings.h is needed  
echo " "  
strings=`./findhdr string.h`  
if $test "$strings" && $test -r "$strings"; then  
echo "Using <string.h> instead of <strings.h>." >&4  
val="$define"  
else  
val="$undef"  
strings=`./findhdr strings.h`  
if $test "$strings" && $test -r "$strings"; then  
echo "Using <strings.h> instead of <string.h>." >&4  
else  
./warn "No string header found -- You'll surely  
have problems."  
fi  
fi  
set i_string  
eval $setvar  
case "$i_string" in  
"$undef") strings=`./findhdr strings.h`;;  
*) strings=`./findhdr string.h`;;  
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/dist/U/i_string.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: Finish.U,v \$  
?RCS: Revision 3.0.1.6 1995/02/15 14:09:30 ram  
?RCS: patch51: now clearer about how to edit config.sh at the prompt (WED)  
?RCS:  
?RCS: Revision 3.0.1.5 1994/10/29 15:53:14 ram  
?RCS: patch36: added ?F: line for metalint file checking  
?RCS:  
?RCS: Revision 3.0.1.4 1994/05/06 14:19:37 ram  
?RCS: patch23: added blank lines around 'End of Configure'  
?RCS:  
?RCS: Revision 3.0.1.3 1993/10/16 13:46:09 ram  
?RCS: patch12: replaced Config\_h by Magic\_h in the dependency line  
?RCS:  
?RCS:  
Revision 3.0.1.2 1993/09/13 15:45:26 ram  
?RCS: patch10: fixed shell evaluation w/o shell escape while in silent mode  
?RCS:  
?RCS: Revision 3.0.1.1 1993/08/30 08:55:59 ram  
?RCS: patch8: prevents myread from blocking on empty answers, exceptionally  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:04:55 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This unit is the very last one in the Configure script. It runs all the  
?X: SH files, which among other things produce config.h and (usually) Makefile.  
?X: It offers to do a make depend if the Makefile contains that target.  
?X:  
?MAKE:Finish: Chk\_MANI Extract Myread Oldsym Magic\_h cat rm contains \  
test package make  
?MAKE: -pick add \$@ %<  
?F: !config.sh  
?T: pwd  
: Finish up by extracting the .SH files  
case "\$alldone" in  
exit)  
?X: They supplied the -E switch  
echo "Stopping at your request, leaving temporary files around."  
exit 0  
;;  
cont)  
;;  
")  
dflt="

```
nostick=true
$cat <<EOM
```

If you'd like to make any changes to the config.sh file before I begin to configure things, do it as a shell escape now (e.g. !vi config.sh).

EOM

```
rp="Press return or use a shell escape to edit config.sh:"
. UU/myread
nostick=""
case "$ans" in
") ;;
*) : in case they cannot read
sh 1>&4 -c "$ans";;
esac
;;
esac
```

: if this fails, just run all the .SH files by hand  
./config.sh

?X:

?X: Turn silent mode off from now on (we want a verbose file extraction).

?X: This means we have to explicitly test for '\$silent' from now on to

?X: strip off any verbose messages.

?X:

```
echo " "
exec 1>&4
pwd=`pwd`
. ./UU/extract
cd "$pwd"
```

if \$contains '^depend:' [Mm]akefile >/dev/null 2>&1; then

```
dflt=y
case "$silent" in
true) ;;
*)
$cat <<EOM
```

Now you need to generate make dependencies by running "\$make depend".

You might prefer to run it in background: "\$make depend > makedepend.out &"

It can take a while, so you might not want to run it right now.

EOM

```
;;
esac
rp="Run $make depend now?"
```

```

. UU/myread
case "$ans" in
y*)
$make depend
&& echo "Now you must run '$make'."
;;
*)
echo "You must run '$make depend' then '$make'."
;;
esac
elif test -f [Mm]akefile; then
echo " "
echo "Now you must run a $make."
else
echo "Configure done."
fi

if $test -f Policy.sh; then
$cat <<EOM

```

If you compile \$package on a different machine or from a different object directory, copy the Policy.sh file from this object directory to the new one before you run Configure -- this will help you with most of the policy defaults.

```

EOM
fi
if $test -f UU/config.msg; then
echo "Hmm. I also noted the following information while running:"
echo " "
$cat UU/config.msg >&4
fi
?X:
?X: kit*isdone files are left over by shell archives built using the makedist
?X: script which comes from dist, while ark*isdone files are left over by
?X: the cshar archive maker.
?X:
$rm -f kit*isdone ark*isdone
$rm -rf UU

```

: End of Configure

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Finish.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_fchmod.U 1 2006-08-24 12:32:52Z rmanfredi $

```

?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_fchmod.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:05:59 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_fchmod: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_fchmod:  
?S: This variable conditionally defines the HAS\_FCHMOD symbol, which  
?S: indicates to the C program that the fchmod() routine is available  
?S: to change mode of opened files.  
?S:.  
?C:HAS\_FCHMOD (FCHMOD):  
?C: This symbol, if defined, indicates that the fchmod routine is available  
?C: to  
change mode of opened files. If unavailable, use chmod().  
?C:.  
?H:#\$d\_fchmod HAS\_FCHMOD /\*\*/  
?H:.  
?LINT:set d\_fchmod  
: see if fchmod exists  
set fchmod d\_fchmod  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_fchmod.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_shm.U,v \$

```

?RCS: Revision 3.0 1993/08/18 12:07:17 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_shm: test d_shmctl d_shmget d_shmat d_shmdt Setvar Findhdr
?MAKE: -pick add $@ %<
?S:d_shm:
?S: This variable conditionally defines the HAS_SHM symbol, which
?S: indicates that the entire shm*(2) library is present.
?S:.
?C:HAS_SHM:
?C: This symbol, if defined, indicates that the entire shm*(2) library is
?C: supported.
?C:.
?H:#$d_shm HAS_SHM /**/
?H:.
?T:h_shm
?LINT:set d_shm
:
  see how much of the 'shm*(2)' library is present.
h_shm=true
echo " "
case "$d_shmctl$d_shmget$d_shmat$d_shmdt" in
*$undef*) h_shm=false;;
esac
: we could also check for sys/ipc.h ...
if $h_shm && $test `./findhdr sys/shm.h`; then
  echo "You have the full shm*(2) library." >&4
  val="$define"
else
  echo "You don't have the full shm*(2) library." >&4
  val="$undef"
fi
set d_shm
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_shm.U

```

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_llrintl: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_llrintl:

?S: This variable conditionally defines the HAS\_LLRINTL symbol, which

?S: indicates to the C program that the llrintl() routine is available

?S: to return the long long value closest to a long double (according

?S: to the current rounding mode).

?S:.

?C:HAS\_LLRLINTL:

?C: This symbol, if defined, indicates that the llrintl routine is

?C: available to return the long long value closest to a long double

?C: (according to the current rounding mode).

?C:.

?H:#\$d\_llrintl HAS\_LLRLINTL /\*\*/

?H:.

?LINT:set d\_llrintl

: see if llrintl exists

set llrintl d\_llrintl

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_llrintl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fp\_classl: Inlibc

?MAKE: -pick add @\$ %<

?S:d\_fp\_classl:

?S: This variable conditionally defines the HAS\_FP\_CLASSL symbol, which

?S: indicates to the C program that the fp\_classl() routine is available.

?S:.

?C:HAS\_FP\_CLASSL:

?C: This symbol, if defined, indicates that the fp\_classl routine is

?C: available to classify long doubles. Available for example in

?C: Digital UNIX. See for possible values HAS\_FP\_CLASS.

?C:.

?H:#\$d\_fp\_classl HAS\_FP\_CLASSL /\*\*/

?H:.

?LINT:set d\_fp\_classl

: see if fp\_classl exists

set fp\_classl d\_fp\_classl

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fp\_classl.U



No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Filexp.U,v $
?RCS: Revision 3.0.1.2 1994/10/29 15:52:53 ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS: patch36: added HOME to the ?T: line since metalint now checks ${HOME}
?RCS:
?RCS: Revision 3.0.1.1 1994/05/06 14:03:00 ram
?RCS: patch23: made sure error status from csh is propagated (WED)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:04:53 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a shell script which will expand filenames beginning
?X:
with tildes. The script is deleted at the end of Configure.
?X:
?MAKE:Filexp: startsh sed test expr eunicefix
?MAKE: -pick add $@ %<
?F:./filexp
?T:HOME LOGDIR dir me name failed
: set up shell script to do ~ expansion
cat >filexp <<EOSS
$startsh
: expand filename
?X:
?X: The case entries below escape the ~ as some shells have shown expansion
?X: of the ~ during here-doc processing.
?X:
case "$1" in
|~/*|/~)
echo \ $1 | $sed "s|~|${HOME}-${LOGDIR}|"
;;
|~*)
if $test -f /bin/csh; then
/bin/csh -f -c "glob \ $1"
failed=\ $?
```

```

echo ""
exit \$failed
else
name=\`$expr x\$1 : '.*\([^\]*\)^\`
dir=\`$sed -n -e "/^\${name}:/s/^[^:]*:[^:]*:[^:]*:[^:]*:[^:]*:[^:]*:\([^\]*\).*\$""^1/" -e p -e q -e '}' </etc/passwd\`
if $test ! -d "\$dir"; then
me=\`basename \$0\`
echo "\$me: can't locate home directory for: \$name" >&2
exit 1
fi
case "\$1" in
*/*)
echo \$dir\`$expr x\$1 : '.*\([^\]*\)^(\.*\)\`
;;
*)
echo \$dir
;;
esac
fi
;;
*)
echo \$1
;;
esac
EOSS
chmod
+x filexp
$unicefix filexp

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Filexp.U

```

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?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000, Andy Dougherty

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:versiononly: cat Myread Setvar Devel

?MAKE: -pick add \$@ %<

?LINT:set versiononly

?Y:TOP

?S:versiononly:  
 ?S: If set, this symbol indicates that only the version-specific  
 ?S: components of a perl installation should be installed.  
 ?S: This may be useful for making a test installation of a new  
 ?S: version without disturbing the existing installation.  
 ?S: Setting versiononly is equivalent to setting installperl's -v option.  
 ?S: In particular, the non-versioned scripts and programs such as  
 ?S: a2p, c2ph, h2xs, pod2\*, and perldoc  
 are not installed  
 ?S: (see INSTALL for a more complete list). Nor are the man  
 ?S: pages installed.  
 ?S: Usually, this is undef.  
 ?S:.

?LINT:extern inc\_version\_list  
 ?LINT:change inc\_version\_list  
 ?LINT:extern inc\_version\_list\_init  
 ?LINT:change inc\_version\_list\_init  
 ?LINT:extern version  
 : determine whether to use a version number suffix for installed binaries  
 echo " "  
 \$cat <<EOM

Do you want to use a version number suffix for installed binaries? This  
 will install 'perl\$version' instead of 'perl', and likewise for other  
 binaries like 'perldoc' and 'cpan'. This allows many versions of perl  
 to be installed side-by-side. Unless you are a developer, you probably  
 do *not* want to do this.

EOM  
 case "\$versiononly" in  
 "\$define"|[Yy]\*|true) dflt='y' ;;  
 \*) dflt='n';  
 esac  
 rp="Do you want to use a version number suffix for installed binaries?"  
 ./myread  
 case "\$ans" in  
 [yY]\*) val="\$define";;  
 \*) val="\$undef" ;;  
 esac  
 set versiononly  
 eval \$setvar  
  
 case "\$versiononly" in  
 "\$define") inc\_version\_list="  
     inc\_version\_list\_init=0  
     ;;  
 esac

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/perl/versiononly.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: registers.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: registers.U,v \$  
?RCS: Revision 3.0.1.2 1997/02/28 16:19:41 ram  
?RCS: patch61: removed empty ?LINT lines  
?RCS:  
?RCS: Revision 3.0.1.1 1994/10/29 16:28:33 ram  
?RCS: patch36: call ./Cpplib explicitly instead of relying on PATH  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:41 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:registers reg1 reg2 reg3 reg4 reg5 reg6 reg7 reg8 reg9 reg10 reg11 \  
reg12 reg13 reg14 reg15 reg16: awk rm Cpplib  
Myread Oldconfig  
?MAKE: -pick add \$@ %<  
?S:registers:  
?S: This variable contains the number of register declarations paid  
?S: attention to by the C compiler.  
?S:.  
?S:reg1:  
?S: This variable, along with reg2, reg3, etc. contains the eventual  
?S: value for the symbols register1, register2, register3, etc. It has  
?S: either the value "register" or is null.  
?S:.  
?C:register1:  
?C: This symbol, along with register2, register3, etc. is either the word  
?C: "register" or null, depending on whether the C compiler pays attention  
?C: to this many register declarations. The intent is that you don't have  
?C: to order your register declarations in the order of importance, so you  
?C: can freely declare register variables in sub-blocks of code and as  
?C: function parameters. Do not use register<n> more than once per routine.  
?C:.  
?LINT:describe reg2 reg3 reg4 reg5 reg6 reg7 reg8 reg9 reg10 reg11  
?LINT:describe reg12 reg13 reg14 reg15 reg16  
?LINT:known register2 register3 register4 register5 register6

```

register7
?LINT:known register8 register9 register10 register11 register12 register13
?LINT:known register14 register15 register16
?H:#define register1 $reg1 /**/
?H:#define register2 $reg2 /**/
?H:#define register3 $reg3 /**/
?H:#define register4 $reg4 /**/
?H:#define register5 $reg5 /**/
?H:#define register6 $reg6 /**/
?H:#define register7 $reg7 /**/
?H:#define register8 $reg8 /**/
?H:#define register9 $reg9 /**/
?H:#define register10 $reg10 /**/
?H:#define register11 $reg11 /**/
?H:#define register12 $reg12 /**/
?H:#define register13 $reg13 /**/
?H:#define register14 $reg14 /**/
?H:#define register15 $reg15 /**/
?H:#define register16 $reg16 /**/
?H:.
?F:!.foo
: see how many register declarations we want to use
case "$registers" in
")
if ./Cppsymb vax; then
dflt=6
elif ./Cppsymb sun mc68000 mips; then
dflt=10
elif ./Cppsymb pyr; then
dflt=14
elif ./Cppsymb ns32000 ns16000; then
dflt=5
elif ./Cppsymb $smallmach; then
dflt=3
else
: if you have any other numbers
for me, please send them in
dflt=6
fi;;
*) dflt=$registers ;;
esac
?LINT:set reg2 reg3 reg4 reg5 reg6 reg7 reg8 reg9 reg10 reg11
?LINT:set reg12 reg13 reg14 reg15 reg16
cat <<EOM

```

Different C compilers on different machines pay attention to different numbers of register declarations. About how many register declarations in each routine does your C compiler pay attention to? (OK to guess)

```

EOM
rp="Maximum register declarations?"
. ./myread
registers=$ans
reg1="
$awk "BEGIN { for (i=1; i<=16; i++) printf \"reg%d=\\n\\\", i} \" \
</dev/null >.foo
. ./foo
$awk "BEGIN { for (i=1; i<=$registers; i++) printf \"reg%d=register\\n\\\", i} \" \
</dev/null >.foo
. ./foo
$rm -f .foo

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/registers.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_portable.U,v 3.0.1.2 1995/01/11 15:28:52 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: This file is included with or a derivative work of a file included
?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.
?RCS: In accordance with clause 7 of dist's modified Artistic License:
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: d_portable.U,v $
?RCS: Revision 3.0.1.2 1995/01/11 15:28:52 ram
?RCS: patch45: executable path stripping moved to the end in Config_sh.U
?RCS:
?RCS: Revision 3.0.1.1 1993/12/15 08:21:17 ram
?RCS: patch15: did not strip variables properly when needed
?RCS: patch15: now also strips down variables from trylist
?RCS:
?RCS: Revision 3.0 1993/08/18 12:06:48 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
This is the same as the dist version, except I don't bother
?X: prompting people since it makes no difference for perl5,
?X: and only confuses people.
?X:
?X: The Loc unit is wanted to get the definition of all the locating variables.
?X:

```

```

?MAKE:d_portable: Loc Oldconfig
?MAKE: -pick add $@ %<
?S:d_portable:
?S: This variable conditionally defines the PORTABLE symbol, which
?S: indicates to the C program that it should not assume that it is
?S: running on the machine it was compiled on.
?S:.
?C:PORTABLE:
?C: This symbol, if defined, indicates to the C program that it should
?C: not assume that it is running on the machine it was compiled on.
?C: The program should be prepared to look up the host name, translate
?C: generic filenames, use PATH, etc.
?C:.
?H:#$d_portable PORTABLE /**/
?H:.
?D:d_portable="
: decide how portable to be. Allow command line overrides.
case "$d_portable" in
"$undef") ;;
*) d_portable="$define" ;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_portable.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id$

```

```

?RCS:

```

```

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

```

```

?RCS:

```

```

?RCS: You may distribute under the terms of either the GNU General Public

```

```

?RCS: License or the Artistic License, as specified in the README file.

```

```

?RCS:

```

```

?MAKE:d_msgghdr_s: Hasstruct i_systypes d_socket i_sysuio Setvar

```

```

?MAKE: -pick add $@ %<

```

```

?S:d_msgghdr_s:

```

```

?S: This variable conditionally defines the HAS_STRUCT_MSGHDR symbol,

```

```

?S: which indicates that the struct msgghdr is supported.

```

```

?S:.

```

```

?C:HAS_STRUCT_MSGHDR:

```

```

?C: This symbol, if defined, indicates that the struct msgghdr

```

```

?C: is supported.

```

```

?C:.

```

```

?H:#$d_msgghdr_s HAS_STRUCT_MSGHDR /**/

```

```

?H:.

```

```

?LINT:set d_msgghdr_s

```

```

: Check for msgghdr support

```

```

echo " "
echo "Checking to see if your system supports struct cmsghdr..." >&4
set d_cmsghdr_s cmsghdr $i_systypes sys/types.h $d_socket sys/socket.h $i_sysuio sys/uio.h
eval $hasstruct
case "$d_cmsghdr_s" in
"$define") echo "Yes, it does." ;;
*) echo
"No, it doesn't." ;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_cmsghdr_s.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_fork.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_fork.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:07:38 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:d\_fork: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fork:

?S: This variable conditionally defines the HAS\_FORK symbol, which

?S: indicates to the C program that the fork() routine is available.

?S:.

?C:HAS\_FORK :

?C: This symbol, if defined, indicates that the fork routine is

?C: available.

?C:.

?H:#\$d\_fork

HAS\_FORK /\*\*/

?H:.

?LINT:set d\_fork

: see if fork exists

set fork d\_fork

eval \$inlibc



Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_fork.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_inetaton.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1996, Spider Boardman

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_inetaton.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:36:35 ram

?RCS: patch61: created

?RCS:

?MAKE:d\_inetaton: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_inetaton:

?S: This variable conditionally defines the HAS\_INET\_ATON symbol, which

?S: indicates to the C program that the inet\_aton() function is available

?S: to parse IP address "dotted-quad" strings.

?S:.

?C:HAS\_INET\_ATON:

?C: This symbol, if defined, indicates

to the C program that the

?C: inet\_aton() function is available to parse IP address "dotted-quad"

?C: strings.

?C:.

?H:#\$d\_inetaton HAS\_INET\_ATON /\*\*/

?H:.

?LINT:set d\_inetaton

: check whether inet\_aton exists

set inet\_aton d\_inetaton

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_inetaton.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: rcs\_branch.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

```

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: rcs_branch.U,v $
?RCS: Revision 3.0 1993/08/18 12:09:40 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:rcs_branch: Myread contains Loc
?MAKE: -pick add $@ %<
?S:rcs_branch:
?S: This variable will hold "true" if rcs can take the -b<revision>
?S: option, which can make Life Easier on those folks who like to run
?S: rcsdiff manually.
?S:.
?T:xxx
: Tra la la la la
echo " "
echo "Checking to see if RCS understands the -b switch..." >&4
xxx=`./loc
rcs "$pth`
case "$xxx" in
")
rcs_branch=false
echo "Oh. You don't seem to have RCS here."
;;
*)
rcs > rcsbranch.out 2>&1
if $contains 'b\[rev\]' rcsbranch.out >/dev/null 2>&1 ; then
rcs_branch=true
echo "Nice! Your RCS is spiffy!"
else
rcs_branch=false
echo "Well, at least you have RCS. You know, a newer version is available."
fi
;;
esac

Found in path(s):
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/rcs_branch.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: d_chsize.U 1 2006-08-24 12:32:52Z rmanfredi $

```

```

?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_chsize.U,v $
?RCS: Revision 3.0 1993/08/18 12:05:50 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_chsize: Inlibc
?MAKE: -pick add $@ %<
?S:d_chsize:
?S: This variable conditionally defines the CHSIZE symbol, which
?S: indicates to the C program that the chsize() routine is available
?S: to truncate files. You might need a -lx to get this routine.
?S:.
?C:HAS_CHSIZE (CHSIZE):
?C: This symbol, if defined, indicates that the chsize
routine is available
?C: to truncate files. You might need a -lx to get this routine.
?C:.
?H:#$d_chsize HAS_CHSIZE /**/
?H:.
?LINT:set d_chsize
: see if chsize exists
set chsize d_chsize
eval $inlibc

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_chsize.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: Csym.U,v 3.0.1.4 1995/07/25 13:36:29 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Csym.U,v $

```

?RCS: Revision 3.0.1.4 1995/07/25 13:36:29 ram

?RCS: patch56: re-arranged compile line to include ldflags before objects

?RCS: patch56: added quotes for OS/2 support

?RCS:

?RCS: Revision 3.0.1.3 1995/05/12 12:00:33 ram

?RCS: patch54: fixed C test program to bypass gcc builtin type checks (ADO)

?RCS:

?RCS: Revision 3.0.1.2 1994/10/31 09:34:13 ram

?RCS: patch44: added Options to the MAKE line since it's no longer in Init.U

?RCS:

?RCS: Revision

3.0.1.1 1993/08/25 14:00:05 ram

?RCS: patch6: added ldflags as a conditional dependency and to compile line

?RCS: patch6: a final double quote was missing in csym variable after eval

?RCS:

?RCS: Revision 3.0 1993/08/18 12:04:50 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:Csym mistrustnm extern\_C: Options contains libc libs runnm test \  
+cc +optimize +ccflags +ldflags run rm\_try \_exe d\_cplusplus

?MAKE: -pick add \$@ %<

?LINT:define csym

?LINT:use libc

?LINT:extern mistrustnm

?LINT:set mistrustnm

?S:csym:

?S: This shell variable is used internally by Configure to check

?S: whether a given C symbol is defined or not. A typical use is:

?S: set symbol result [-fva] [previous]

?S: eval \$csym

?S: That will set result to 'true' if the function [-f], variable [-v]

?S: or array [-a] is defined, 'false' otherwise. If a previous value is

?S: given and the -r flag was provided on the command line, that value

?S: is reused without questioning.

?S:.

?S:extern\_C:

?S: ANSI C

requires 'extern' where C++ requires 'extern "C"'. This

?S: variable can be used in Configure to do the right thing.

?S:.

?S:mistrustnm:

?S: This variable can be used to establish a fallback for the cases

?S: where nm fails to find a symbol. If usenm is false or usenm is true

?S: and mistrustnm is false, this variable has no effect. If usenm is true

?S: and mistrustnm is "compile", a test program will be compiled to try to

?S: find any symbol that can't be located via nm lookup. If mistrustnm is

?S: "run", the test program will be run as well as being compiled.

?S:.

```

?V:csym
?T:tval tx tlook tf tdc
?F:!try
: is a C symbol defined?
csym='tlook=$1;
case "$3" in
-v) tf=libc.tmp; tdc="";;
-a) tf=libc.tmp; tdc="[]";;
*) tlook="^$1\$"; tf=libc.list; tdc="()";;
esac;
case "$d_cplusplus" in
  $define) extern_C="extern \"C\"";;
  *) extern_C="extern";;
esac;
tx=yes;
case "$reuseval-$4" in
true-);;
true-*) tx=no; eval "tval=\$4"; case "$tval" in "") tx=yes;; esac;;
esac;
case "$tx"
in
yes)
?X:
?X: Put symbol inside a printf to fool optimizing compilers...
?X:
?X: We use 'short' instead of 'int' to try to circumvent overzealous
?X: optimizing compilers using built-in prototypes for commonly used
?X: routines to complain when seeing a different external declaration. For
?X: instance, gcc 2.6.3 fails if we use 'int' and we attempt a test against
?X: memcpy() on machines where sizeof(int) == sizeof(char *) (the usual return
?X: type), the compiler assuming it's a built-in declaration given that the
?X: returned size matches. At least with 'short' we are safe! -- RAM, for ADO
?X:
?X: Let's thank GNU cc for making our lives so easy! :-)
?X: (An alternative for the future would be to use our knowledge about gcc
?X: to force a -fno-builtin option in the compile test, in case the 'short'
?X: trick is obsoleted by future gcc releases). -- RAM
?X:
tval=false;
if $test "$runnm" = true; then
if $contains $tlook $tf >/dev/null 2>&1; then
  tval=true;
elif $test "$mistrustnm"
= compile -o "$mistrustnm" = run; then
  echo "$extern_C void *$1$tdc; void (*(p()))$tdc { return &$1; } int main(int argc, char **argv) { if(p() && p() !=
(void *)argv[0]) return(0); else return(1); }"> try.c;
  $cc -o try $optimize $ccflags $ldflags try.c >/dev/null 2>&1 $libs && tval=true;
  $test "$mistrustnm" = run -a -x try && { $run ./try$_exe >/dev/null 2>&1 || tval=false; };

```

```

    $rm_try;
fi;
else
    echo "$extern_C void *$1$tdc; void *(*(p()))$tdc { return &$1; } int main(int argc, char **argv) { if(p() && p() !=
(void *)argv[0]) return(0); else return(1); }"> try.c;
    $cc -o try $optimize $ccflags $ldflags try.c $libs >/dev/null 2>&1 && tval=true;
    $rm_try;
fi;
;;
*)
case "$tval" in
$define) tval=true;;
*) tval=false;;
esac;
;;
esac;
eval "$2=$tval"

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/compline/Csym.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_ftime.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_ftime.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:06 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_ftime d\_gettimeod: Inlibc Setvar

?MAKE: -pick add \$@ %<

?S:d\_ftime:

?S: This variable conditionally defines the HAS\_FTIME symbol, which indicates

?S: that the ftime() routine exists. The ftime() routine is basically

?S: a sub-second accuracy clock.

?S:.

?S:d\_gettimeod:

?S: This variable conditionally defines the HAS\_GETTIMEOFDAY symbol,  
which

?S: indicates that the gettimeofday() system call exists (to obtain a

?S: sub-second accuracy clock). You should probably include <sys/resource.h>.

?S:.

?C:HAS\_FTIME (FTIMER):

?C: This symbol, if defined, indicates that the ftime() routine exists.

?C: It is basically a sub-second accuracy clock, but is less accurate

?C: than gettimeofday(2) anyway. The type "Timeval" should be used to

?C: refer to "struct timeb".

?C:.

?C:HAS\_GETTIMEOFDAY (GETTIMEOFDAY):

?C: This symbol, if defined, indicates that the gettimeofday() system

?C: call is available for a sub-second accuracy clock. Usually, the file

?C: <sys/resource.h> needs to be included (see I\_SYS\_RESOURCE).

?C: The type "Timeval" should be used to refer to "struct timeval".

?C:.

```
?H:#$d_ftime HAS_FTIME /**/
```

```
?H:#$d_gettimeod HAS_GETTIMEOFDAY /**/
```

```
?H:%<:@if HAS_FTIME
```

```
?H:%<:#ifdef HAS_FTIME
```

```
?H:%<:#define Timeval struct timeb /* Structure used by ftime() */
```

```
?H:%<:#endif
```

```
?H:%<:@end
```

```
?H:%<:@if HAS_GETTIMEOFDAY
```

```
?H:%<:#ifdef HAS_GETTIMEOFDAY
```

```
?H:%<:#define
```

```
Timeval struct timeval /* Structure used by gettimeofday() */
```

```
?H:%<:#endif
```

```
?H:%<:@end
```

?H:.

?X:FIXME

```
?X:?I:?d_ftime:i_systimeb
```

```
?X:?I:?d_gettimeod:i_sysresrc
```

```
?LINT:set d_gettimeod d_ftime
```

```
?LINT:known Timeval
```

: see if gettimeofday or ftime exists

?X:

?X: Give priority to gettimeofday(2) because timing is more accurate

?X:

```
set gettimeofday d_gettimeod
```

```
eval $inlibc
```

```
case "$d_gettimeod" in
```

```
"$undef")
```

```
set ftime d_ftime
```

```
eval $inlibc
```

```
::
```

```
*)
```

```
val="$undef"; set d_ftime; eval $setvar
```

```
::
```

```
esac
```

```

case "$d_gettimeod$d_ftime" in
"$undef$undef")
echo " "
echo 'No ftime() nor gettimeofday() -- timing may be less accurate.' >&4
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_ftime.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Protochk.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?X: This unit generates a ./protochk script that is used internally

?X: by Configure to check if this system will accept a particular

?X: prototype.

?X:

?X: To use it, say something like:

?X: hdrs="\$define sys/types.h

?X: \$i\_systime sys/time.h

?X: \$i\_sysselct sys/select.h

?X: \$d\_socket sys/socket.h"

?X: \$xxx='fd\_set \*'

?X: try='extern int select \_((int, \$xxx, \$xxx, \$xxx, struct timeval \*));'

?X: if ./protochk "\$stry" \$hdrs; then

?X: echo "Your system accepts \$xxx for the arguments to select."

?X: fi

?X: (Of course select is harder, since the first arg can be int,

?X: size\_t, or unsigned long, and the last arg may or may not have a

?X: 'const' before the 'struct timeval' :-(. Also SunOS

4.1.3 doesn't

?X: provide a select prototype so the compiler accepts anything :-).

?X:

?X: The C compiler on QNX warns about invalid pointer types, but

?X: still exits with a 0 exit status, so it's not much help here.

?X: (It does correctly detect incorrect non-pointer arguments).

?X: Still, since QNX is a POSIX-ish system, just make your first

?X: a POSIX-ish one, and QNX will probably accept it.

?X:

?X: For determining argument types, your compiler must support

?X: prototypes, and the header files must use them. Determining

?X: return types, however, is easier. Just give an ridiculous



?X: return type, something like

?X: ./protochk 'extern int atof \_((void));' \$i\_stdlib stdlib.h

?X: that should surely fail if atof() is defined in <stdlib.h>

?X:

?X: There is also an 'escape' hatch built in. If you have a pair

?X: of args 'literal 'stuff' then 'stuff' gets included literally

?X: into the test program. This could be useful for doing something

?X: like

?X: hdrs="\$define stdio.h

?X: \$define

sys/types.h"

?X: ./protochk 'extern int fsetpos(FILE \*, Fpos\_t);' \$args \  
?X: 'literal' '#define Fpos\_t long long'

?X: but you have to be really careful about the spaces in "literal".

?X:

?X: Andy Dougherty Feb. 1998

?MAKE:Protochk: cat rm\_try startsh eunicefix +cc +optimize +ccflags \  
i\_pthread usethreads

?MAKE: -pick add \$@ %<

?F:./protochk

?X: Comfort metalint. All these are actually used in the protochk script.

?T:foo status pthread\_h\_done

?LINT: change cc optimize ccflags define rm\_try

?LINT: extern pthread\_h\_first

?LINT: change pthread\_h\_first

?LINT: change usethreads

?LINT: change i\_pthread

: define a function to check prototypes

\$cat > protochk <<EOSH

\$startsh

cc="\$cc"

optimize="\$optimize"

ccflags="\$ccflags"

define="\$define"

rm\_try="\$rm\_try"

usethreads=\$usethreads

i\_pthread=\$i\_pthread

pthread\_h\_first=\$pthread\_h\_first

EOSH

\$cat >> protochk <<'EOSH'

\$rm\_try

foo="\$1"

shift

while test \$# -ge 2; do

case "\$1" in

\$define) echo "#include <\$2>" >> try.c ;;

```

literal)
echo "$2" >> try.c ;;
esac
# Extra magic for the benefit of systems that need pthread.h
# to be included early to correctly detect threadsafe functions.
# Such functions must guarantee themselves, though, that the usethreads
# and i_pthread have been defined, before calling protochk.
if test "$usethreads" = "$define" -a "$i_pthread" = "$define" -a "$pthread_h_first" = "$define" -a
"$pthread_h_done" = ""; then
echo "#include <pthread.h>" >> try.c
pthread_h_done=yes
fi
shift 2
done
cat >> try.c <<'EOCP'
#define _(args) args
EOCP
echo "$foo" >> try.c
?X: Just so we have something to compile.
echo 'int no_real_function_has_this_name _((void)) { return 0; }' >> try.c
$cc $optimize $ccflags -c try.c > /dev/null 2>&1
status=$?
$rm_try
exit $status
EOSH
chmod +x protochk
$unicefix protochk

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/Protochk.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_sqrtl: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_sqrtl:

?S: This variable conditionally defines the HAS\_SQRTL symbol, which

?S: indicates to the C program that the sqrt() routine is available.

?S:.

?C:HAS\_SQRTL:

?C: This symbol, if defined, indicates that the sqrt routine is

?C: available to do long double square roots.

?C:.

?H:#\$d\_sqrtl HAS\_SQRTL /\*\*/

?H:.

?LINT:set d\_sqrtl

: see if sqrt exists

set sqrt d\_sqrtl

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_sqrtl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_havetlib.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_havetlib.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 15:36:31 ram

?RCS: patch61: replaced .a with \$\_a all over the place

?RCS: patch61: likewise for .o replaced by \$\_o

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 14:44:06 ram

?RCS: patch23: added AIX support to accept shared lib stub as termlib (WED)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:06:19 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_havetlib termlib: cat contains Myread Loc

Filexp Oldconfig libpth \

test uname \_a \_o

?MAKE: -pick add \$@ %<

?S:d\_havetlib:

?S: This variable conditionally defines the HAS\_TERMLIB symbol, which

?S: indicates to the C program that termlib-style routines are available.

?S:.

?S:termlib:

?S: This variable contains the argument to pass to the loader to get

?S: termlib-style routines. It is up to the Makefile.SH to make sure

?S: the value gets to the right command. Note that on many systems the

?S: termlib routines are emulated by the curses or terminfo library.

```

?S:.
?C:HAS_TERMLIB (HAVETERMLIB):
?C: This symbol, when defined, indicates that termlib-style routines
?C: are available. There is nothing to include.
?C:.
?H:#$d_havetlib HAS_TERMLIB /**/
?H:.
?T:xxx
: where do we get termlib routines from
echo " "
xxx=`./loc libcurses$_a x $libpth`
case "$xxx" in
/*)
ar t $xxx >grimble
if $contains tputs$_o grimble >/dev/null 2>&1; then
termlib='-lcurses'
d_havetlib="$define"
echo "Terminfo library found." >&4
elif $test "x`$uname
2>/dev/null" = xAIX; then
# Ok, do the AIX shr.o fun thing
/usr/ccs/bin/nm -en $xxx 2>/dev/null >grimble
if $contains '^tputs.*|extern|' grimble >/dev/null 2>&1; then
termlib='-lcurses'
d_havetlib="$define"
echo "AIX Terminfo library found." >&4
else
xxx=x
fi
else
xxx=x
fi
rm -f grimble
;;
esac
case "$xxx" in
x)
xxx=`./loc libtermlib$_a x $libpth`
case "$xxx" in
/usr/lib*/lib*)
termlib='-ltermlib'
d_havetlib="$define"
echo "Termlib library found." >&4
;;
/*)
termlib="$xxx"
d_havetlib="$define"
echo "Termlib library found." >&4

```

```

;;
*)
xxx=`./loc libtermcap$_a x $libpth`
case "$xxx" in
/usr/lib*/lib*)
termlib='-ltermcap'
d_havetlib="$define"
echo "Termcap library found." >&4
;;
/*)
termlib="$xxx"
d_havetlib="$define"
echo "Termcap library found." >&4
;;
*)
case "$termlib" in
")
dflt=y
rp="Your system appears to NOT have termlib-style routines. Is this true?"
./myread
case "$ans"
in
n*|f*) d_havetlib="$define"
$cat <<'EOM'

```

Then where are the termlib-style routines kept? Specify either -llibname or a full pathname (~name ok).

EOM

```

dflt="
rp='Specify termlib path:'
./myread
termlib=`./filexp $ans`
;;
*)
d_havetlib="$undef"
termlib="
echo "You will have to play around with term.c then." >&4
;;
esac
echo " ";;
*) echo "You said termlib was $termlib before." >&4;;
esac;;
esac;;
esac

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/dist/U/d\_havetlib.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_netdb.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i\_netdb: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_netdb:

?S: This variable conditionally defines the I\_NETDB symbol, and indicates

?S: whether a C program should include <netdb.h>.

?S:.

?C:I\_NETDB:

?C: This symbol, if defined, indicates that <netdb.h> exists and

?C: should be included.

?C:.

?H:#\$i\_netdb I\_NETDB /\*\*/

?H:.

?LINT:set i\_netdb

: see if this is a netdb.h system

set netdb.h i\_netdb

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/modified/i\_netdb.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_setvbuf.U,v 3.0.1.1 1994/08/29 16:11:57 ram Exp \$

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

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?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_setvbuf.U,v \$

?RCS:

?MAKE:d\_setvbuf: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_setvbuf:

?S: This variable conditionally defines the HAS\_SETVBUF symbol, which

?S: indicates to the C program that the setvbuf() routine is available

?S: to change buffering on an open stdio stream.

?S:.

?C:HAS\_SETVBUF :

?C: This symbol, if defined, indicates that the setvbuf routine is

?C: available to change buffering on an open stdio stream.

?C: to a line-buffered mode.

?C:.

?H:#\$d\_setvbuf HAS\_SETVBUF /\*\*/

?H:.

?LINT:set d\_setvbuf

: see if setvbuf exists

set setvbuf d\_setvbuf

eval \$inlibc

Found

in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_setvbuf.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getgrent.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: \$Log: d\_getgrent.U,v \$

?RCS:

?MAKE:d\_getgrent: Inlibc

?MAKE:-pick add \$@ %<

?S:d\_getgrent:

?S: This variable conditionally defines the HAS\_GETGRENТ symbol, which

?S: indicates to the C program that the getgrent() routine is available

?S: for sequential access of the group database.

?S:.

?C:HAS\_GETGRENТ:

?C: This symbol, if defined, indicates that the getgrent routine is

?C: available for sequential access of the group database.

?C:.

?H:#\$d\_getgrent HAS\_GETGRENТ /\*\*/

?H:.

?LINT:set d\_getgrent

: see if getgrent exists

set getgrent d\_getgrent

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_getgrent.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_syslog.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_syslog.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:46:56 ram

?RCS: patch61: replaced .o with \$\_o all over the place

?RCS:

?RCS: Revision 3.0 1993/08/18 12:07:43 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_syslog: test Csym Setvar Findhdr

?MAKE: -pick add \$@ %<

?S:d\_syslog:

?S: This variable conditionally defines the HAS\_SYSLOG symbol, which

?S: indicates to the C program that syslog() exists on this system.

?S:.

?C:HAS\_SYSLOG

(LIBSYSLOG):

?C: This symbol, if defined, indicates that the program can rely on the

?C: system providing syslog(). Otherwise, the syslog code provided by

?C: the package should be used.

?C:.

?H:#\$d\_syslog HAS\_SYSLOG /\*\*/

?H:.

?LINT:set d\_syslog

: see if syslog is available

echo " "

if \$test `./findhdr syslog.h` && \

(set syslog val -f d\_syslog; eval \$csym; \$val); then

echo "syslog() found." >&4

val="\$define"

else

echo "syslog() not found in your C library." >&4

val="\$undef"

fi

set d\_syslog

eval \$setvar



Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_syslog.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: startsh.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: startsh.U,v $
```

```
?RCS: Revision 3.0.1.1 1997/02/28 16:25:31 ram
```

```
?RCS: patch61: avoid needless chatter since this is now done very early
```

```
?RCS:
```

```
?RCS: Revision 3.0 1993/08/18 12:09:51 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:startsh: sh sharpbang eunicefix
```

```
?MAKE: -pick add @$@ %<
```

```
?S:startsh:
```

```
?S: This variable contains the string to put on the front of a shell
```

```
?S: script to make sure (hopefully) that it runs with sh and not some
```

```
?S: other
```

```
shell.
```

```
?S:.
```

```
?F:!sharp
```

```
: figure out how to guarantee sh startup
```

```
?X: Avoid needless chatter since this is now done very early.
```

```
?X: echo " "
```

```
?X: echo "Checking out how to guarantee sh startup..." >&2
```

```
case "$startsh" in
```

```
  *) startsh=${sharpbang}${sh} ;;
```

```
*)
```

```
?X: echo "Let's see if '$startsh' works..." ;;
```

```
esac
```

```
cat >sharp <<EOSS
```

```
$startsh
```

```
set abc
```

```
test "$?abc" != 1
```

```
EOSS
```

```
chmod +x sharp
```

```

$unicefix sharp
if ./sharp; then
: echo "Yup, it does."
else
echo "Hmm... '$startsh' does not guarantee sh startup..."
echo "You may have to fix up the shell scripts to make sure $sh runs them."
fi
rm -f sharp

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/startsh.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_longdbl.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: \$Log: d\_longdbl.U,v \$

?RCS:

```

?MAKE:d_longdbl longdblsize d_ldexpl longdblkind \
d_long_double_style_ieee d_long_double_style_ieee_doubledouble \
d_long_double_style_ieee_extended d_long_double_style_ieee_std \
d_long_double_style_vax: Compile Setvar Myread \
Inlibc run echo cat rm_try test doublesize i_stdlib

```

?MAKE: -pick add \$@ %<

?S:d\_longdbl:

?S: This variable conditionally defines HAS\_LONG\_DOUBLE if

?S: the long double type is supported.

?S:.

?S:d\_ldexpl:

?S: This variable conditionally defines the HAS\_LDEXPL symbol, which

?S: indicates to the C program that the ldexpl() routine is available.

?S:.

?S:longdblsize:

?S: This variable contains the value of the LONG\_DOUBLESIZE symbol,  
which

?S: indicates to the C program how many bytes there are in a long double,

?S: if this system supports long doubles. Note that this is

?S: sizeof(long double), which may include unused bytes.

?S:.

?S:longdblkind:

?S: This variable, if defined, encodes the type of a long double:

?S: 0 = double,

?S: 1 = IEEE 754 128-bit little endian,

?S: 2 = IEEE 754 128-bit big endian,  
 ?S: 3 = x86 80-bit little endian,  
 ?S: 4 = x86 80-bit big endian,  
 ?S: 5 = double-double 128-bit little endian,  
 ?S: 6 = double-double 128-bit big endian,  
 ?S: 7 = 128-bit mixed-endian double-double (64-bit LEs in BE),  
 ?S: 8 = 128-bit mixed-endian double-double (64-bit BEs in LE),  
 ?S: 9 = 128-bit PDP-style mixed-endian long doubles,  
 ?S: -1 = unknown format.  
 ?S:.  
 ?S:d\_long\_double\_style\_ieee:  
 ?S: This variable conditionally defines LONG\_DOUBLE\_STYLE\_IEEE  
 ?S: if the long double is any of the IEEE 754 style long doubles:  
 ?S: LONG\_DOUBLE\_STYLE\_IEEE\_STD, LONG\_DOUBLE\_STYLE\_IEEE\_EXTENDED,  
 ?S: LONG\_DOUBLE\_STYLE\_IEEE\_DOUBLEDDOUBLE.  
 ?S:.  
 ?S:d\_long\_double\_style\_ieee\_doubledouble:  
 ?S: This  
 variable conditionally defines LONG\_DOUBLE\_STYLE\_IEEE\_DOUBLEDDOUBLE  
 ?S: if the long double is the 128-bit IEEE 754 double-double.  
 ?S:.  
 ?S:d\_long\_double\_style\_ieee\_extended:  
 ?S: This variable conditionally defines LONG\_DOUBLE\_STYLE\_IEEE\_EXTENDED  
 ?S: if the long double is the 80-bit IEEE 754 extended precision.  
 ?S: Note that despite the 'extended' this is less than the 'std',  
 ?S: since this is an extension of the double precision.  
 ?S:.  
 ?S:d\_long\_double\_style\_ieee\_std:  
 ?S: This variable conditionally defines LONG\_DOUBLE\_STYLE\_IEEE\_STD  
 ?S: if the long double is the 128-bit IEEE 754.  
 ?S:.  
 ?S:d\_long\_double\_style\_vax:  
 ?S: This variable conditionally defines LONG\_DOUBLE\_STYLE\_VAX  
 ?S: if the long double is the 128-bit VAX format H.  
 ?S:.  
 ?C:HAS\_LONG\_DOUBLE:  
 ?C: This symbol will be defined if the C compiler supports long  
 ?C: doubles.  
 ?C:.  
 ?C:LONG\_DOUBLESIZE:  
 ?C: This symbol contains the size of a long double, so that the  
 ?C: C  
 preprocessor can make decisions based on it. It is only  
 ?C: defined if the system supports long doubles. Note that this  
 ?C: is sizeof(long double), which may include unused bytes.  
 ?C:.  
 ?C:HAS\_LDEXPL:  
 ?C: This symbol, if defined, indicates that the ldexpl routine is

?C: available to shift a long double floating-point number  
?C: by an integral power of 2.  
?C:.  
?C:LONG\_DOUBLEKIND:  
?C: LONG\_DOUBLEKIND will be one of  
?C: LONG\_DOUBLE\_IS\_DOUBLE  
?C: LONG\_DOUBLE\_IS\_IEEE\_754\_128\_BIT\_LITTLE\_ENDIAN  
?C: LONG\_DOUBLE\_IS\_IEEE\_754\_128\_BIT\_BIG\_ENDIAN  
?C: LONG\_DOUBLE\_IS\_X86\_80\_BIT\_LITTLE\_ENDIAN  
?C: LONG\_DOUBLE\_IS\_X86\_80\_BIT\_BIG\_ENDIAN  
?C: LONG\_DOUBLE\_IS\_DOUBLEDDOUBLE\_128\_BIT\_LE\_LE  
?C: LONG\_DOUBLE\_IS\_DOUBLEDDOUBLE\_128\_BIT\_BE\_BE  
?C: LONG\_DOUBLE\_IS\_DOUBLEDDOUBLE\_128\_BIT\_LE\_BE  
?C: LONG\_DOUBLE\_IS\_DOUBLEDDOUBLE\_128\_BIT\_BE\_LE  
?C: LONG\_DOUBLE\_IS\_VAX\_H\_FLOAT  
?C: LONG\_DOUBLE\_IS\_UNKNOWN\_FORMAT  
?C: It is only defined if the system supports long doubles.  
?C:.  
?C:LONG\_DOUBLE\_STYLE\_IEEE:  
?C: This symbol, if defined, indicates  
that the long double  
?C: is any of the IEEE 754 style long doubles:  
?C: LONG\_DOUBLE\_STYLE\_IEEE\_STD, LONG\_DOUBLE\_STYLE\_IEEE\_EXTENDED,  
?C: LONG\_DOUBLE\_STYLE\_IEEE\_DOUBLEDDOUBLE.  
?C:.  
?C:LONG\_DOUBLE\_STYLE\_IEEE\_DOUBLEDDOUBLE:  
?C: This symbol, if defined, indicates that the long double is  
?C: the 128-bit double-double.  
?C:.  
?C:LONG\_DOUBLE\_STYLE\_IEEE\_EXTENDED:  
?C: This symbol, if defined, indicates that the long double is  
?C: the 80-bit IEEE 754. Note that despite the 'extended' this  
?C: is less than the 'std', since this is an extension of  
?C: the double precision.  
?C:.  
?C:LONG\_DOUBLE\_STYLE\_IEEE\_STD:  
?C: This symbol, if defined, indicates that the long double is  
?C: the 128-bit IEEE 754.  
?C:.  
?C:LONG\_DOUBLE\_STYLE\_VAX:  
?C: This symbol, if defined, indicates that the long double is  
?C: the 128-bit VAX format H.  
?C:.  
?H:#\$d\_ldexpl HAS\_LDEXPL /\*\*/  
?H:#\$d\_longdbl HAS\_LONG\_DOUBLE /\*\*/  
?H:?LONG\_DOUBLESIZE:#ifdef HAS\_LONG\_DOUBLE  
?H:?LONG\_DOUBLESIZE:#define LONG\_DOUBLESIZE \$longdblsize /\*\*/  
?H:?LONG\_DOUBLESIZE:#define

```

LONG_DOUBLEKIND $longdblkind /**/
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_DOUBLE 0
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_IEEE_754_128_BIT_LITTLE_ENDIAN 1
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_IEEE_754_128_BIT_BIG_ENDIAN 2
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_X86_80_BIT_LITTLE_ENDIAN 3
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_X86_80_BIT_BIG_ENDIAN 4
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_LE_LE 5
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_BE_BE 6
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_LE_BE 7
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_BE_LE 8
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_VAX_H_FLOAT 9
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_UNKNOWN_FORMAT -1
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_LITTLE_ENDIAN
LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_LE_LE /* back-compat */
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_BIG_ENDIAN
LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_BE_BE
/* back-compat */
?H:?LONG_DOUBLESIZE:#$d_long_double_style_ieee LONG_DOUBLE_STYLE_IEEE
?H:?LONG_DOUBLESIZE:#$d_long_double_style_ieee_doubledouble
LONG_DOUBLE_STYLE_IEEE_DOUBLEDDOUBLE
?H:?LONG_DOUBLESIZE:#$d_long_double_style_ieee_extended
LONG_DOUBLE_STYLE_IEEE_EXTENDED
?H:?LONG_DOUBLESIZE:#$d_long_double_style_ieee_std LONG_DOUBLE_STYLE_IEEE_STD
?H:?LONG_DOUBLESIZE:#$d_long_double_style_vax LONG_DOUBLE_STYLE_VAX
?H:?LONG_DOUBLESIZE:#endif
?H:
?F:!try
?LINT:known LONG_DOUBLE_IS_DOUBLE LONG_DOUBLE_IS_IEEE_754_128_BIT_LITTLE_ENDIAN
?LINT:known LONG_DOUBLE_IS_IEEE_754_128_BIT_BIG_ENDIAN
LONG_DOUBLE_IS_X86_80_BIT_LITTLE_ENDIAN
?LINT:known LONG_DOUBLE_IS_X86_80_BIT_BIG_ENDIAN
LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_LITTLE_ENDIAN
?LINT:known LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_BIG_ENDIAN
LONG_DOUBLE_IS_UNKNOWN_FORMAT
?LINT:known LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_LE_LE
?LINT:known LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_BE_BE
?LINT:known
LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_LE_BE
?LINT:known LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_BE_LE
?LINT:known LONG_DOUBLE_IS_VAX_H_FLOAT
?LINT:set d_longdbl
?LINT:set d_ldexpl
: check for long doubles
echo " "
echo "Checking to see if you have long double..." >&4
echo 'int main() { long double x = 7.0; }' > try.c
set try
if eval $compile; then

```

```

val="$define"
echo "You have long double."
else
val="$undef"
echo "You do not have long double."
fi
$rm_try
set d_longdbl
eval $setvar

: see if ldexpl exists
set ldexpl d_ldexpl
eval $inlibc

@if LONG_DOUBLESIZE || longdblsize
: check for length of long double
?X: Check only if d_longdbl and if longdblsize is not already set.
case "${d_longdbl}${longdblsize}" in
$define)
echo " "
echo "Checking to see how big your long doubles are..." >&4
$cat >try.c <<'EOCP'
#include <stdio.h>
int main()
{
printf("%d\n", sizeof(long double));
}
EOCP
set try
?X: Don't use compile_ok because some compilers warn you that they have
?X: 'long double'
as just 'double'.
set try
if eval $compile; then
longdblsize=`$run ./try`
echo "Your long doubles are $longdblsize bytes long."
else
dflt='8'
echo " "
echo "(I can't seem to compile the test program. Guessing...)" >&4
rp="What is the size of a long double (in bytes)?"
./myread
longdblsize="$ans"
fi
if $test "X$doublesize" = "X$longdblsize"; then
echo "That isn't any different from an ordinary double."
echo "I'll keep your setting anyway, but you may see some"
echo "harmless compilation warnings."

```

```

fi
;;
esac
$rm_try
@end

$echo "Checking the kind of long doubles you have..." >&4
case "$d_longdbl" in
define)
$cat <<EOP >try.c
#$_stdlib I_STDLIB
#define LONGDBLSIZE $longdblsize
#define DOUBLESIZE $doublesize
#include <float.h>
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#include <stdio.h>
static const long double d = -0.1L;
int main() {
    unsigned const char* b = (unsigned const char*)&d;
    #if DOUBLESIZE == LONGDBLSIZE
    printf("0\n"); /* if it floats
    like double */
    exit(0);
    #endif
    #if (LDBL_MANT_DIG == 113 || FLT128_MANT_DIG == 113) && LONGDBLSIZE == 16
    if (b[0] == 0x9A && b[1] == 0x99 && b[15] == 0xBF) {
        /* IEEE 754 128-bit little-endian */
        printf("1\n");
        exit(0);
    }
    if (b[0] == 0xBF && b[14] == 0x99 && b[15] == 0x9A) {
        /* IEEE 128-bit big-endian, e.g. solaris sparc */
        printf("2\n");
        exit(0);
    }
    #endif
    /* For alignment 32-bit platforms have the 80 bits in 12 bytes,
    * while 64-bits platforms have it in 16 bytes. The trailing bytes
    * cannot be trusted. */
    #if LDBL_MANT_DIG == 64 && (LONGDBLSIZE == 16 || LONGDBLSIZE == 12)
    if (b[0] == 0xCD && b[9] == 0xBF) {
        /* x86 80-bit little-endian, sizeof 12 (ILP32, Solaris x86)
        * or 16 (LP64, Linux and OS X), 4 or 6 bytes of padding.
        * Also known as "extended precision". */
        printf("3\n");
        exit(0);

```

```

}
if (b[0] == 0xBF && b[9] == 0xCD) {
    /* Is there ever big-endian 80-bit, really?
    *
    * The Motorola 68881 had another "extended
precision" format:
    * sign:1 exp:15 zero:16 integer:1 mantissa:63
    * for total of 96 bits of bytes. The zero bits were unused.
    * See "M68000 FAMILY PROGRAMMER'S REFERENCE MANUAL" for more details.
    * If it ever becomes relevant, this format should be allocated
    * a new doublekind code since it's quite different from the Intel x87.
    */
    printf("4\n");
    exit(0);
}
#endif
#if (LDBL_MANT_DIG == 106 || LDBL_MANT_DIG == 107) && LONGDBLSIZE == 16
    /* software "double double", the 106 is 53+53.
    * but irix thinks it is 107. */
    if (b[0] == 0x9A && b[7] == 0x3C && b[8] == 0x9A && b[15] == 0xBF) {
        /* double double 128-bit fully little-endian,
        * little-endian doubles in little-endian order,
        * 9a 99 99 99 99 99 59 3c 9a 99 99 99 99 99 b9 bf */
        printf("5\n");
        exit(0);
    }
    if (b[0] == 0xBF && b[7] == 0x9A && b[8] == 0x3C && b[15] == 0x9A) {
        /* double double 128-bit fully big-endian,
        * big-endian doubles in big-endian order,
        * e.g. PPC/Power and MIPS:
        * bf b9 99 99 99 99 9a 3c 59 99 99 99 99 9a */
        printf("6\n");
        exit(0);
    }
    if (b[0] == 0x9A && b[7] == 0xBF && b[8] == 0x9A && b[15] == 0x3C) {
        /* double double 128-bit mixed endian.
        * little-endian doubles in big-endian order,
        * e.g. ppc64el,
        * 9a 99 99 99 99 99 b9 bf 9a 99 99 99 99 59 3c */
        printf("7\n");
        exit(0);
    }
    if (b[0] == 0x3C && b[7] == 0x9A && b[8] == 0xBF && b[15] == 0x9A) {
        /* double double 128-bit mixed endian,
        * big-endian doubles in little-endian order,
        * 3c 59 99 99 99 99 9a bf b9 99 99 99 99 9a */
        printf("8\n");
        exit(0);
    }

```



```

}
#endif
/* We are largely making this up because it may well be
* that the VAX format H was never made available to C,
* only to Fortran. */
#if LONGDBLSIZE == 16 && defined(__vax__)
if (b[0] == 0xFD && b[15] == 0x99) {
/* VAX format H, PDP-11 mixed endian. */
printf("9\n");
exit(0);
}
#endif
printf("-1\n"); /* unknown
*/
exit(0);
}
EOP
set try
if eval $compile; then
longdblkind=`$run ./try`
else
longdblkind=-1
fi
;;
*) longdblkind=0 ;;
esac
case "$longdblkind" in
0) echo "Your long doubles are doubles." >&4 ;;
1) echo "You have IEEE 754 128-bit little endian long doubles." >&4 ;;
2) echo "You have IEEE 754 128-bit big endian long doubles." >&4 ;;
3) echo "You have x86 80-bit little endian long doubles." >& 4 ;;
4) echo "You have x86 80-bit big endian long doubles." >& 4 ;;
5) echo "You have 128-bit fully little-endian double-double long doubles (64-bit LEs in LE)." >& 4 ;;
6) echo "You have 128-bit fully big-endian double-double long doubles (64-bit BEs in BE)." >& 4 ;;
7) echo "You have 128-bit mixed-endian double-double long doubles (64-bit LEs in BE)." >& 4 ;;
8) echo "You have 128-bit mixed-endian double-double long doubles (64-bit BEs in LE)." >& 4 ;;
9) echo "You have 128-bit PDP-style mixed-endian long doubles (VAX format H)." >& 4 ;;
*) echo "Cannot figure out your long double."
>&4 ;;
esac
d_long_double_style_ieee=$undef
d_long_double_style_ieee_std=$undef
d_long_double_style_ieee_extended=$undef
d_long_double_style_ieee_doubledouble=$undef
d_long_double_style_vax=$undef
case "$longdblkind" in
1|2|3|4|5|6|7|8) d_long_double_style_ieee=$define ;;
esac

```

```

case "$longdblkind" in
1|2) d_long_double_style_ieee_std=$define ;;
esac
case "$longdblkind" in
3|4) d_long_double_style_ieee_extended=$define ;;
esac
case "$longdblkind" in
5|6|7|8) d_long_double_style_ieee_doubledouble=$define ;;
esac
case "$longdblkind" in
9) d_long_double_style_vax=$define ;;
esac
$rm_try

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_longdbl.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_hidnet.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_hidnet.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:20 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_hidnet hiddennet: cat sed myhostname mydomain Myread Oldconfig

?MAKE: -pick add \$@ %<

?S:d\_hidnet:

?S: This variable conditionally defines the symbol HIDDEN\_NET, which

?S: tells the C program that it should pretend it is on a different

?S: host for purposes of advertising a mailing address.

?S:.

?S:hiddennet:

?S: This variable contains

the value eventually given to the symbol

?S: HIDDEN\_NET, if d\_hidnet defines it. If defined, it's the name

?S: of the host which serves as the mail server for a network that

?S: is invisible to the outside world.

?S:.

?C:HIDDEN\_NET (HIDDENNET):

?C: This symbol, if defined, contains the host name that you want to  
?C: advertise to the outside world. This name can be different from  
?C: your actual host name, as long as the machine you specify knows  
?C: how to forward mail to you.

?C:.

```
?H:#$d_hidnet HIDDEN_NET "$hiddennet" /**/
```

?H:.

: now get the host name to advertise as our mailing address

```
case "$hiddennet" in
```

```
) dflt=n;;
```

```
*) dflt=y;;
```

```
esac
```

```
$cat <<EOM
```

Some sites are on "hidden" networks, in the sense that the network appears to the outside world as a single machine. The advertised name of any host on this hidden network is the name of one machine on the local network which knows how to forward mail to any other host on the hidden network.

Do you wish to advertise a different hostname to the world than the one your own host (\$myhostname\$mydomain) has?

EOM

```
rp='Use "hidden" network?'
```

```
./myread
```

```
case "$ans" in
```

```
n*) d_hidnet="$undef" hiddennet="";;
```

```
*)
```

```
  d_hidnet="$define"
```

```
  echo " "
```

```
  case "$hiddennet" in
```

```
  ) dflt=`echo $mydomain | $sed -e 's/^\./'`;;
```

```
  *) dflt="$hiddennet";;
```

```
  esac
```

```
rp='What hostname do you wish to advertise?'
```

```
./myread
```

```
hiddennet="$ans"
```

```
::
```

```
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_hidnet.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_gethostent\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.  
?RCS:  
?MAKE:d\_gethostent\_r gethostent\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_netdb extern\_C  
?MAKE: -pick add \$@ %<  
?S:d\_gethostent\_r:  
?S: This variable conditionally defines the HAS\_GETHOSTENT\_R symbol,  
?S: which indicates to the C program that the gethostent\_r()  
?S: routine is available.  
?S:.  
?S:gethostent\_r\_proto:  
?S: This variable encodes the prototype of gethostent\_r.  
?S: It is zero if d\_gethostent\_r is undef, and one of the  
?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_gethostent\_r  
?S: is defined.  
?S:.  
?C:HAS\_GETHOSTENT\_R:  
?C: This symbol, if defined, indicates that the gethostent\_r routine  
?C: is  
available to gethostent re-entrantly.  
?C:.  
?C:GETHOSTENT\_R\_PROTO:  
?C: This symbol encodes the prototype of gethostent\_r.  
?C: It is zero if d\_gethostent\_r is undef, and one of the  
?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_gethostent\_r  
?C: is defined.  
?C:.  
?H:#\$d\_gethostent\_r HAS\_GETHOSTENT\_R /\*\*/  
?H:#define GETHOSTENT\_R\_PROTO \$gethostent\_r\_proto /\*\*/  
?H:.  
?T:try hdrs d\_gethostent\_r\_proto  
: see if gethostent\_r exists  
set gethostent\_r d\_gethostent\_r  
eval \$inlibc  
case "\$d\_gethostent\_r" in  
"\$define")  
hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_netdb netdb.h"  
case "\$d\_gethostent\_r\_proto:\$usethreads" in  
":define") d\_gethostent\_r\_proto=define  
set d\_gethostent\_r\_proto gethostent\_r \$hdrs  
eval \$hasproto ;;  
\*) ;;  
esac  
case "\$d\_gethostent\_r\_proto" in

```

define)
case "$gethostent_r_proto" in
"|0) try='int gethostent_r(struct hostent*, char*, size_t, struct hostent**, int*);'
./protochk "$extern_C $try" $hdrs && gethostent_r_proto=I_SBWRE ;;
esac
case "$gethostent_r_proto"
in
"|0) try='int gethostent_r(struct hostent*, char*, int, int*);'
./protochk "$extern_C $try" $hdrs && gethostent_r_proto=I_SBIE ;;
esac
case "$gethostent_r_proto" in
"|0) try='struct hostent* gethostent_r(struct hostent*, char*, int, int*);'
./protochk "$extern_C $try" $hdrs && gethostent_r_proto=S_SBIE ;;
esac
case "$gethostent_r_proto" in
"|0) try='struct hostent* gethostent_r(struct hostent*, char*, int);'
./protochk "$extern_C $try" $hdrs && gethostent_r_proto=S_SBI ;;
esac
case "$gethostent_r_proto" in
"|0) try='int gethostent_r(struct hostent*, char*, int);'
./protochk "$extern_C $try" $hdrs && gethostent_r_proto=I_SBI ;;
esac
case "$gethostent_r_proto" in
"|0) try='int gethostent_r(struct hostent*, struct hostent_data*);'
./protochk "$extern_C $try" $hdrs && gethostent_r_proto=I_SD ;;
esac
case "$gethostent_r_proto" in
"|0) d_gethostent_r=undef
gethostent_r_proto=0
echo "Disabling gethostent_r, cannot determine prototype." >&4 ;;
* ) case
"$gethostent_r_proto" in
REENTRANT_PROTO*););
*) gethostent_r_proto="REENTRANT_PROTO_${gethostent_r_proto}" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "gethostent_r has no prototype, not using it." >&4 ;;
esac
d_gethostent_r=undef
gethostent_r_proto=0
;;
esac
;;
*) gethostent_r_proto=0
;;

```

esac

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_ghostent\_r.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_bcmp.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_bcmp.U,v \$

?RCS: Revision 3.0.1.2 1993/10/16 13:47:52 ram

?RCS: patch12: added magic support for bcmp()

?RCS:

?RCS: Revision 3.0.1.1 1993/09/13 16:00:44 ram

?RCS: patch10: now only defines HAS\_BCMP, no macro remap on memcmp (WAD)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:42 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_bcmp: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_bcmp:

?S: This variable conditionally defines the HAS\_BCMP symbol  
if

?S: the bcmp() routine is available to compare strings.

?S:.

?C:HAS\_BCMP:

?C: This symbol is defined if the bcmp() routine is available to

?C: compare blocks of memory.

?C:.

?H:#\$d\_bcmp HAS\_BCMP /\*\*/

?H:.

?M:bcmp: HAS\_BCMP

?M:#ifndef HAS\_BCMP

?M:#ifndef bcmp

?M:#define bcmp(s,d,l) memcmp((s),(d),(l))

?M:#endif

?M:#endif

?M:.

?LINT:set d\_bcmp

```
: see if bcmp exists
set bcmp d_bcmp
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_bcmp.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: afs.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
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?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: afs.U,v $
```

```
?RCS: Revision 3.0.1.2 1997/02/28 15:23:06 ram
```

```
?RCS: patch61: can now explicitly tell Configure whether AFS is running
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.1 1993/08/24 12:24:43 ram
```

```
?RCS: patch3: created
```

```
?RCS:
```

```
?MAKE:afs afsroot: test
```

```
?MAKE: -pick add $@ %<
```

```
?S:afs:
```

```
?S: This variable is set to 'true' if AFS (Andrew File System) is used
```

```
?S: on the system, 'false' otherwise. It is possible to override this
```

```
?S: with a hint value or command line option,
```

```
but you'd better know
```

```
?S: what you are doing.
```

```
?S:.
```

```
?S:afsroot:
```

```
?S: This variable is by default set to '/afs'. In the unlikely case
```

```
?S: this is not the correct root, it is possible to override this with
```

```
?S: a hint value or command line option. This will be used in subsequent
```

```
?S: tests for AFSness in the configure and test process.
```

```
?S:.
```

```
: allow them to override the AFS root
```

```
case "$afsroot" in
```

```
) afsroot=/afs ;;
```

```
*) afsroot=$afsroot ;;
```

```
esac
```

```
: is AFS running?
```

```

echo " "
case "$afs" in
$define|true) afs=true ;;
$undef|false) afs=false ;;
*) if $test -d $afsroot; then
    afs=true
    else
    afs=false
    fi
;;
esac
if $afs; then
    echo "AFS may be running... I'll be extra cautious then..." >&4
else
    echo "AFS does not seem to be running..." >&4
fi

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/afs.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:sysroot: Head

?MAKE: -pick add \$@ %<

?S:sysroot:

?S: This variable is empty unless supplied by the Configure user.

?S: It can contain a path to an alternative root directory, under which

?S: headers and libraries for the compilation target can be found. This

?S: is generally used when cross-compiling using a gcc-like compiler.

?S:.

?LINT:extern cc

?LINT:extern cppflags

?LINT:change cppflags

?LINT:extern ccflags

?LINT:change ccflags

?LINT:extern ldflags

?LINT:change ldflags

?LINT:extern cccdlflags

?X: \_sysroot is later used in ccflags, but we do not want it in config.sh

?T:var xxx path \_sysroot

: Set 'sysroot' to change the logical root directory to your headers and libraries see man gcc

: This is primarily meant for cross-compile environments, and



```

may fail to be useful in other cases
if test "X$sysroot" = X; then
  sysroot=""
else
  case "$cc" in
  *gcc*|*g++*)
    echo "Using $sysroot to find your headers and libraries, adding to ccflags"
    # _sysroot is used in places where we need --sysroot=foo
    # but using the rest of the flags could cause issues.
    _sysroot="--sysroot=$sysroot";
    case "$ccflags" in
  *sysroot*) ;;
  'undef'|*)
    ccflags="$ccflags $_sysroot"
    esac
    case "$ldflags" in
  *sysroot*) ;;
  'undef'|*)
    ldflags="$ldflags $_sysroot"
    esac
    case "$cppflags" in
  *sysroot*) ;;
  'undef'|*)
    cppflags="$cppflags $_sysroot"
    esac
    # lddflags updated below in lddflags section;
    # same with cccdlflags
    ;;
  esac

  # Adjust some defaults to also use $sysroot
  for var in xlibpth loclibpth locincpth glibpth; do
    eval xxx=\$$var
    eval $var=""
    for path in $xxx; do
      eval $var="\$$var $sysroot$path"
    done
  done

fi

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/Sysroot.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_shmat.U,v 3.0.1.3 1995/07/25 14:04:23 ram Exp $
```

```
?RCS:
```

?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: d\_shmat.U,v \$  
?RCS: Revision 3.0.1.3 1995/07/25 14:04:23 ram  
?RCS: patch56: use findhdr to find <sys/shm.h>, to get the right one (ADO)  
?RCS:  
?RCS: Revision 3.0.1.2 1994/05/13 15:18:56 ram  
?RCS: patch27: added new symbol HAS\_SHMAT\_PROTOTYPE (ADO)  
?RCS:  
?RCS: Revision 3.0.1.1 1994/05/06 14:54:18 ram  
?RCS: patch23: new Shmat\_t symbol to declare return type of shmat()  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:07:18 ram  
?RCS: Baseline for dist 3.0 worldwide  
release.  
?RCS:  
?MAKE:d\_shmat shmattype d\_shmatprototype: Inlibc cat +cc +ccflags \  
rm cppstdin cppflags cppminus Findhdr Setvar contains  
?MAKE: -pick add \$@ %<  
?S:d\_shmat:  
?S: This variable conditionally defines the HAS\_SHMAT symbol, which  
?S: indicates to the C program that the shmat() routine is available.  
?S:.  
?S:shmattype:  
?S: This symbol contains the type of pointer returned by shmat().  
?S: It can be 'void \*' or 'char \*'.  
?S:.  
?S:d\_shmatprototype:  
?S: This variable conditionally defines the HAS\_SHMAT\_PROTOTYPE  
?S: symbol, which indicates that sys/shm.h has a prototype for  
?S: shmat.  
?S:.  
?C:HAS\_SHMAT:  
?C: This symbol, if defined, indicates that the shmat() routine is  
?C: available to attach a shared memory segment to the process space.  
?C:.  
?C:Shmat\_t:  
?C: This symbol holds the return type of the shmat() system call.  
?C: Usually set to 'void \*' or 'char \*'.  
?C:.  
?C:HAS\_SHMAT\_PROTOTYPE:  
?C: This symbol, if defined, indicates that the sys/shm.h includes

?C: a prototype for shmat().

Otherwise, it is up to the program to

?C: guess one. Shmat\_t shmat(int, Shmat\_t, int) is a good guess,

?C: but not always right so it should be emitted by the program only

?C: when HAS\_SHMAT\_PROTOTYPE is not defined to avoid conflicting defs.

?C:.

?H:#\$d\_shmat HAS\_SHMAT /\*\*/

?H:#define Shmat\_t \$shmattype /\*\*/

?H:#\$d\_shmatprototype HAS\_SHMAT\_PROTOTYPE /\*\*/

?H:.

?LINT:set d\_shmat d\_shmatprototype

?T:xxx

: see if shmat exists

set shmat d\_shmat

eval \$inlibc

: see what shmat returns

case "\$d\_shmat" in

"\$define")

\$cat >shmat.c <<'END'

#include <sys/shm.h>

void \*shmat();

END

if \$cc \$ccflags -c shmat.c >/dev/null 2>&1; then

shmattype='void \*'

else

shmattype='char \*'

fi

echo "and it returns (\$shmattype)." >&4

: see if a prototype for shmat is available

xxx=`./findhdr sys/shm.h`

\$cppstdin \$cppflags \$cppminus < \$xxx > shmat.c 2>/dev/null

if \$contains 'shmat.\*(' shmat.c >/dev/null 2>&1; then

val="\$define"

else

val="\$undef"

fi

\$rm -f shmat.[co]

::

\*)

val="\$undef"

::

esac

set

d\_shmatprototype

eval \$setvar

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/modified/d\_shmat.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_xdrs.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_xdrs.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:04 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_xdrs: cat Csym Setvar
?MAKE: -pick add $@ %<
?S:d_xdrs:
?S: This symbol conditionally defines HAS_XDRS which indicates to the C
?S: program that XDR serialization routines are available.
?S:.
?C:HAS_XDRS (XDRS):
?C: This symbol if defined indicates to the C program that the XDR
?C: serialization routines are available to transfer data
across
?C: various architectures.
?C:.
?H:#$d_xdrs HAS_XDRS /**/
?H:.
?LINT:set d_xdrs
: see if XDR is available
echo " "
if set xdr_int val -f d_xdrs; eval $csym; $val; then
echo "Ahh! You have XDR routines for network communications." >&4
val="$define"
else
$cat >&4 <<EOM
Sigh! You do not have XDR routines -- Network communications may be hazardous.
EOM
val="$undef"
fi
set d_xdrs
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
```

5.30.0/dist/U/d\_xdrs.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Setvar.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Setvar.U,v \$

?RCS: Revision 3.0.1.1 1994/10/29 15:58:28 ram

?RCS: patch36: call ./whoa explicitly instead of relying on PATH

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:16 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit produces a variable that is intended to be eval'ed in

?X: order to define/undefine a symbol. A consistency check is made

?X: regarding any previous value and a warning is issued if there

?X: is any discrepancy.

?X:

?X:

To use it, say:

?X: val=<value>

?X: set d\_variable

?X: eval \$setvar

?X:

?MAKE:Setvar: Whoa

?MAKE: -pick add \$@ %<

?LINT:define setvar

?S:setvar:

?S: This shell variable is used internally by Configure to set a value

?S: to a given symbol that is defined or not. A typical use is:

?S: val=<value computed>

?S: set d\_variable

?S: eval \$setvar

?S: That will print a message in case the \$val value is not the same

?S: as the previous value of \$d\_variable.

?S:.

?V:setvar:val

?T:var was td tu

: function used to set '\$1' to '\$val'

setvar='var=\$1; eval "was=\\$1"; td=\$define; tu=\$undef;

```
case "$val$was" in
$define$undef) . ./whoa; eval "$var=\$td";
$undef$define) . ./whoa; eval "$var=\$tu";
*) eval "$var=$val";;
esac'
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Setvar.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_termio.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_termio.U,v \$

?RCS: Revision 3.0.1.4 1994/10/29 16:20:54 ram

?RCS: patch36: call ./usg and ./Cpplib explicitly instead of relying on PATH

?RCS:

?RCS: Revision 3.0.1.3 1994/08/29 16:26:38 ram

?RCS: patch32: don't include all three I\_\* symbols in config.h

?RCS: patch32: (had forgotten to undo this part last time)

?RCS:

?RCS: Revision 3.0.1.2 1994/05/13 15:25:03 ram

?RCS: patch27: undone ADO's fix in previous patch since it was useless

?RCS:

?RCS:

Revision 3.0.1.1 1994/05/06 15:05:23 ram

?RCS: patch23: now include all three defines in config.h (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:08:44 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:i\_termio i\_sgty i\_termios: test Inlibc Cpplib Guess Setvar Findhdr Warn run

?MAKE: -pick add \$@ %<

?S:i\_termio:

?S: This variable conditionally defines the I\_TERMIO symbol, which

?S: indicates to the C program that it should include <termio.h> rather

?S: than <sgty.h>.

?S:.

?S:i\_termios:

?S: This variable conditionally defines the I\_TERMIOS symbol, which

?S: indicates to the C program that the POSIX <termios.h> file is  
 ?S: to be included.

?S:.

?S:i\_sgtty:

?S: This variable conditionally defines the I\_SGTTY symbol, which  
 ?S: indicates to the C program that it should include <sgtty.h> rather  
 ?S: than <termio.h>.

?S:.

?C:I\_TERMIO:

?C: This symbol, if defined, indicates that the program should include  
 ?C: <termio.h> rather than <sgtty.h>. There are also differences in  
 ?C: the  
 ioctl() calls that depend on the value of this symbol.

?C:.

?C:I\_TERMIOS:

?C: This symbol, if defined, indicates that the program should include  
 ?C: the POSIX termios.h rather than sgtty.h or termio.h.  
 ?C: There are also differences in the ioctl() calls that depend on the  
 ?C: value of this symbol.

?C:.

?C:I\_SGTTY:

?C: This symbol, if defined, indicates that the program should include  
 ?C: <sgtty.h> rather than <termio.h>. There are also differences in  
 ?C: the ioctl() calls that depend on the value of this symbol.

?C:.

?H:#\$i\_termio I\_TERMIO /\*\*/  
 ?H:#\$i\_termios I\_TERMIOS /\*\*/  
 ?H:#\$i\_sgtty I\_SGTTY /\*\*/  
 ?H:.

?T:val2 val3

?LINT:set i\_termio i\_sgtty i\_termios  
 : see if this is a termio system  
 val="\$undef"  
 val2="\$undef"  
 val3="\$undef"

?X: Prefer POSIX-approved termios.h over all else  
 if \$test `./findhdr termios.h`; then  
 set tcsetattr i\_termios  
 eval \$inlibc  
 val3="\$i\_termios"  
 fi  
 echo " "  
 case "\$val3" in  
 "\$define") echo "You have POSIX termios.h... good!" >&4;;  
 \*)  
 if ./Cpssym pyr; then  
 case "\$run /bin/universe" in  
 ucb) if \$test `./findhdr sgtty.h`; then

```

val2="$define"
echo "<sgtty.h> found." >&4
    else
echo "System is pyramid with BSD universe."
./warn "<sgtty.h> not found--you could have problems."
    fi;;
*) if $test `./findhdr termio.h`; then
val="$define"
echo "<termio.h> found." >&4
    else
echo "System is pyramid with USG universe."
./warn "<termio.h> not found--you could have problems."
    fi;;
esac
?X: Start with USG to avoid problems if both usg/bsd was guessed
elif ./usg; then
    if $test `./findhdr termio.h`; then
echo "<termio.h> found." >&4
val="$define"
        elif $test `./findhdr sgtty.h`; then
echo "<sgtty.h> found." >&4
val2="$define"
            else
./warn "Neither <termio.h> nor <sgtty.h> found--cross fingers!"
                fi
else
        if $test `./findhdr sgtty.h`; then
echo "<sgtty.h> found." >&4
val2="$define"
            elif $test `./findhdr termio.h`; then
echo "<termio.h>
found." >&4
val="$define"
                else
./warn "Neither <sgtty.h> nor <termio.h> found--cross fingers!"
                    fi
fi;;
esac
set i_termio; eval $setvar
val=$val2; set i_sgtty; eval $setvar
val=$val3; set i_termios; eval $setvar

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/i_termio.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_endhostent\_r.U,v 0RCS:



```

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.
?RCS:
?MAKE:d_endhostent_r endhostent_r_proto: Inlibc Protochk Hasproto i_systypes \
  usethreads i_netdb extern_C
?MAKE: -pick add $@ %<
?S:d_endhostent_r:
?S: This variable conditionally defines the HAS_ENDHOSTENT_R symbol,
?S: which indicates to the C program that the endhostent_r()
?S: routine is available.
?S:.
?S:endhostent_r_proto:
?S: This variable encodes the prototype of endhostent_r.
?S: It is zero if d_endhostent_r is undef, and one of the
?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_endhostent_r
?S: is defined.
?S:.
?C:HAS_ENDHOSTENT_R:
?C: This symbol, if defined, indicates that the endhostent_r routine
?C: is
  available to endhostent re-entrantly.
?C:.
?C:ENDHOSTENT_R_PROTO:
?C: This symbol encodes the prototype of endhostent_r.
?C: It is zero if d_endhostent_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_endhostent_r
?C: is defined.
?C:.
?H:#$d_endhostent_r HAS_ENDHOSTENT_R /**/
?H:#define ENDHOSTENT_R_PROTO $endhostent_r_proto /**/
?H:.
?T:try hdrs d_endhostent_r_proto
: see if endhostent_r exists
set endhostent_r d_endhostent_r
eval $inlibc
case "$d_endhostent_r" in
"$define")
  hdrs="$i_systypes sys/types.h define stdio.h $i_netdb netdb.h"
  case "$d_endhostent_r_proto:$usethreads" in
  ":define") d_endhostent_r_proto=define
    set d_endhostent_r_proto endhostent_r $hdrs
    eval $hasproto ;;
  *) ;;
  esac

```

```

case "$d_endhostent_r_proto" in
define)
case "$endhostent_r_proto" in
"|0) try='int endhostent_r(struct hostent_data*);'
./protochk "$extern_C $try" $hdrs && endhostent_r_proto=I_D ;;
esac
case "$endhostent_r_proto" in
"|0) try='void endhostent_r(struct
hostent_data*);'
./protochk "$extern_C $try" $hdrs && endhostent_r_proto=V_D ;;
esac
case "$endhostent_r_proto" in
"|0) d_endhostent_r=undef
endhostent_r_proto=0
echo "Disabling endhostent_r, cannot determine prototype." >&4 ;;
* ) case "$endhostent_r_proto" in
REENTRANT_PROTO*) ;;
*) endhostent_r_proto="REENTRANT_PROTO_$endhostent_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "endhostent_r has no prototype, not using it." >&4 ;;
esac
d_endhostent_r=undef
endhostent_r_proto=0
;;
esac
;;
*) endhostent_r_proto=0
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_endhostent\_r.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 4.0.

```

?RCS:
?RCS: $Log: fpostype.U,v $
?RCS: Revision 3.0.1.2 1994/08/29 16:20:52 ram
?RCS: patch32: now uses new Typedef unit to compute type information
?RCS:
?RCS: Revision 3.0.1.1 1994/06/20 06:59:59 ram
?RCS: patch30: created
?RCS:
?MAKE:fpostype: Myread Typedef
?MAKE: -pick add $@ %<
?S:fpostype:
?S: This variable defines Fpos_t to be something like fpost_t, long,
?S: uint, or whatever type is used to declare file positions in libc.
?S:.
?C:Fpos_t:
?C: This symbol holds the type used to declare file positions
in libc.
?C: It can be fpos_t, long, uint, etc... It may be necessary to include
?C: <sys/types.h> to get any typedef'ed information.
?C:.
?H:#define Fpos_t $fpostype /* File position type */
?H:.
: see what type file positions are declared as in the library
set fpos_t fpostype long stdio.h sys/types.h
eval $typedef
echo " "
dflt="$fpostype"
rp="What is the type for file position used by fsetpos()?"
./myread
fpostype="$ans"

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/fpostype.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: Copyright (c) 2017-2018, H.Merijn Brand

```

```

?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?MAKE:d_accept4: Inlibc
?MAKE: -pick add $@ %<
?S:d_accept4:
?S: This variable conditionally defines HAS_ACCEPT4 if accept4() is

```

?S: available to accept socket connections.

?S:.

?C:HAS\_ACCEPT4:

?C: This symbol, if defined, indicates that the accept4 routine is

?C: available to accept socket connections.

?C:.

?H:#\$d\_accept4 HAS\_ACCEPT4 /\*\*/

?H:.

?LINT:set d\_accept4

: see if accept4 exists

set accept4 d\_accept4

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_accept4.U

No license file was found, but licenses were detected in source scan.

?RCS:

?RCS: Copyright (c) 2012 Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?MAKE:ilp d\_ilp32 d\_ilp64 d\_lp64 d\_can64: Assert Myread Setvar \

cat rm +cc +ccflags echo n c intsize longsize ptrsize

?MAKE: -pick add \$@ %<

?S:ilp:

?S: This variable contains the largest amount of bits that the CPU supports,

?S: from the compiler's point of view. Typically 32 or 64.

?S:.

?S:d\_ilp32:

?S: This variable conditionally defines the CPU\_IS\_ILP32.

?S:.

?S:d\_ilp64:

?S: This variable conditionally defines the CPU\_IS\_ILP64.

?S:.

?S:d\_lp64:

?S: This variable conditionally defines the CPU\_IS\_LP64.

?S:.

?S:d\_can64:

?S: This variable

conditionally defines CAN\_HANDLE\_64BITS.

?S:.

?C:CPU\_ILP\_MAXBITS:

?C: This symbol contains the largest amount of bits that the CPU natively supports from the compiler's point of view. Typically 32 or 64.

?C:.

?C:CPU\_ILP32:

?C: When defined, this indicates that the integer, long and pointer variables hold 32-bit values.

?C:.

?C:CPU\_ILP64:

?C: When defined, this indicates that the integer, long and pointer variables hold 64-bit values.

?C:.

?C:CPU\_IS\_LP64:

?C: When defined, this indicates that the long and pointer variables hold 64-bit values but integers are smaller (probably only 32-bit wide).

?C:.

?C:CAN\_HANDLE\_64BITS:

?C: When defined, this indicates that the compiler can handle 64-bit values despite the CPU having only 32-bit registers. These are available using the "long long" C type. It is only defined for ILP32 machines, since 64-bit support is naturally available on ILP64 and LP64 machines.

?C:.

```
?H:#define CPU_ILP_MAXBITS $ilp
?H:#$d_ilp32
CPU_ILP32 /**/
?H:#$d_ilp64 CPU_ILP64 /**/
?H:#$d_lp64 CPU_IS_LP64 /**/
?H:#$d_can64 CAN_HANDLE_64BITS /**/
?H:.
?LINT: set d_ilp32 d_ilp64 d_lp64 d_can64
: check for architecture type
echo " "
$echo $n "Computing CPU architecture type...$c" >&4
ilp=`expr $longsize \* 8`
case "$ptrsize" in
8)
val=$undef; set d_ilp32; eval $setvar
case "$intsize" in
8)
echo " ILP64." >&4
val=$define; set d_ilp64; eval $setvar
val=$undef; set d_lp64; eval $setvar
;;
*)
echo " LP64." >&4
val=$define; set d_lp64; eval $setvar
val=$undef; set d_ilp64; eval $setvar
;;
esac
```

```

;;
*)
echo " ILP${ilp}." >&4
case "$ilp" in
32) val=$define;;
*) val=$undef;;
esac
set d_ilp32; eval $setvar
val=$undef; set d_ilp64; eval $setvar
val=$undef; set d_lp64; eval $setvar
;;
esac

@if CAN_HANDLE_64BITS || d_can64
: see whether compiler supports 64-bit emulation
val=$undef
case "$ilp" in
64) val=$define;;
*)
$cat >try.c <<EOCP
#include "static_assert.h"
long long foo;
int main()
{
STATIC_ASSERT(8
== sizeof(foo));
return 0;
}
EOCP
if $cc -c $ccflags try.c >/dev/null 2>&1; then
echo " "
echo "Your compiler also supports 64-bit emulation." >&4
val=$define
fi
$rm -f try.*
;;
esac
set d_can64
eval $setvar

@end

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/ilp.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

```

?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_fs_data_s: Hasstruct i_sysparam i_sysmount i_systypes Setvar
?MAKE: -pick add $@ %<
?S:d_fs_data_s:
?S: This variable conditionally defines the HAS_STRUCT_FS_DATA symbol,
?S: which indicates that the struct fs_data is supported.
?S:.
?C:HAS_STRUCT_FS_DATA:
?C: This symbol, if defined, indicates that the struct fs_data
?C: to do statfs() is supported.
?C:.
?H:#$d_fs_data_s HAS_STRUCT_FS_DATA /**/
?H:.
?LINT:set d_fs_data_s
: Check for fs_data_s
echo " "
echo "Checking to see if your system supports struct fs_data..." >&4
set d_fs_data_s fs_data $i_systypes sys/types.h $i_sysparam sys/param.h $i_sysmount sys/mount.h
eval $hasstruct
case "$d_fs_data_s" in
"$define") echo "Yes, it does." ;;
*)
    echo "No, it doesn't." ;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/d_fs_data_s.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_newsadm.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_newsadm.U,v $
?RCS: Revision 3.0.1.2 1997/02/28 15:36:53 ram
?RCS: patch61: added Guess dependency

```

```

?RCS:
?RCS: Revision 3.0.1.1 1994/10/29 16:14:33 ram
?RCS: patch36: call ./eunice explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0 1993/08/18 12:06:42 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_newsadm newsadmin: cat contains Guess Setvar Myread Oldconfig
?MAKE: -pick add $@ %<
?S:d_newsadm:
?S: This variable
    conditionally defines the NEWS_ADMIN symbol, which
?S: indicates to the C program that there is a user who is in charge
?S: of news administration.
?S:.
?S:newsadmin:
?S: This variable holds the login name of the news administrator, if any.
?S:.
?C:NEWS_ADMIN (NEWSADMIN):
?C: This symbol, if defined, contains the login name of the news
?C: administrator.
?C:.
?H:#$d_newsadm NEWS_ADMIN "$newsadmin" /**/
?H:.
?LINT:set d_newsadm
: get news administrator name
case "$newsadmin" in
")
if $contains "^news:" /etc/passwd >/dev/null 2>&1 ; then
    dflt=news
elif $contains "^usenet:" /etc/passwd >/dev/null 2>&1 ; then
    dflt=usenet
elif ./eunice; then
    dflt=system
else
    dflt=root
fi
;;
*)
dflt="$newsadmin"
;;
esac
$cat <<'EOM'

```

Many systems keep their news in a private directory, or have a non-superuser in charge of administering news. (If you don't have such a user, take the default answer.) I need the login name (not directory) which is used for news administration.



```
EOM
rp="News
admin login?"
./myread
newsadmin="$ans"
case "$newsadmin" in
root) val="$undef" ;;
*) val="$define" ;;
esac
set d_newsadm
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_newsadm.U
```

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?RCS: \$Id\$

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?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_unordered: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_unordered:

?S: This variable conditionally defines the HAS\_UNORDERED symbol, which

?S: indicates to the C program that the unordered() routine is available.

?S:.

?C:HAS\_UNORDERED:

?C: This symbol, if defined, indicates that the unordered routine is

?C: available to check whether two doubles are unordered

?C: (effectively: whether either of them is NaN)

?C:.

?H:#\$d\_unordered HAS\_UNORDERED /\*\*/

?H:.

?LINT:set d\_unordered

: see if unordered exists

set unordered d\_unordered

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_unordered.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: libpth.U,v \$

?RCS: Revision 3.0.1.6 1997/02/28 16:08:49 ram

?RCS: patch61: new loclibpth variable

?RCS:

?RCS: Revision 3.0.1.5 1995/01/11 15:31:30 ram

?RCS: patch45: call ./mips instead of just mips (WED)

?RCS:

?RCS: Revision 3.0.1.4 1994/08/29 16:29:15 ram

?RCS: patch32: added /lib/pa1.1 for HP-UX specially tuned PA-RISC libs (ADO)

?RCS: patch32: fixed information message, making it clearer (ADO)

?RCS:

?RCS: Revision 3.0.1.3 1994/06/20 07:03:54 ram

?RCS: patch30: added /usr/shlib to  
glibpth for shared-only libraries

?RCS:

?RCS: Revision 3.0.1.2 1994/05/13 15:26:57 ram

?RCS: patch27: fixed a typo (libpth -> glibpth)

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 15:07:53 ram

?RCS: patch23: now asks for library directories to be searched (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:02 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit initializes the path for C library lookup.

?X:

?MAKE:libpth glibpth xlibpth plibpth loclibpth: \  
usrinc incpath test cat Myread Oldconfig

?MAKE: -pick add \$@ %<

?S:libpth:

?S: This variable holds the general path (space-separated) used to find  
?S: libraries. It is intended to be used by other units.

?S:.

?S:glibpth:

?S: This variable holds the general path (space-separated) used to  
?S: find libraries. It may contain directories that do not exist on  
?S: this platform, libpth is the cleaned-up version.

?S:.

?S:xlibpth:

?S: This variable holds extra path (space-separated) used to find  
 ?S: libraries on this platform,  
 for example CPU-specific libraries  
 ?S: (on multi-CPU platforms) may be listed here.

?S:.

?S:loclibpth:

?S: This variable holds the paths (space-separated) used to find local  
 ?S: libraries. It is prepended to libpth, and is intended to be easily  
 ?S: set from the command line.

?S:.

?S:plibpth:

?S: Holds the private path used by Configure to find out the libraries.  
 ?S: Its value is prepend to libpth. This variable takes care of special  
 ?S: machines, like the mips. Usually, it should be empty.

?S:.

?T: xxx dlist

?LINT:use usrinc

?INIT:: change the next line if compiling for Xenix/286 on Xenix/386

?INIT:xlibpth='/usr/lib/386 /lib/386'

?INIT:: Possible local library directories to search.

?INIT:loclibpth="/usr/local/lib /opt/local/lib /usr/gnu/lib"

?INIT:loclibpth="\$loclibpth /opt/gnu/lib /usr/GNU/lib /opt/GNU/lib"

?INIT:

?INIT:: general looking path for locating libraries

?INIT:glibpth="/lib /usr/lib \$xlibpth"

?INIT:glibpth="\$glibpth /usr/ccs/lib /usr/ucblib /usr/local/lib"

?X: /shlib

is for Digital Unix 4.0

?X: /usr/shlib is for OSF/1 systems.

?INIT:test -f /usr/shlib/libc.so && glibpth="/usr/shlib \$glibpth"

?INIT:test -f /shlib/libc.so && glibpth="/shlib \$glibpth"

?INIT:

?INIT:: Private path used by Configure to find libraries. Its value  
 ?INIT:: is prepended to libpth. This variable takes care of special  
 ?INIT:: machines, like the mips. Usually, it should be empty.

?INIT:plibpth="

?INIT:

: Set private lib path

case "\$plibpth" in

) if ./mips; then

?X: on mips, we DO NOT want /lib, and we want \$incpath/usr/lib

plibpth="\$incpath/usr/lib /usr/local/lib /usr/ccs/lib"

fi;;

esac

case "\$libpth" in

' ) dlist="";;

```
) dlist="$loclibpth $plibpth $glibpth";;
*) dlist="$libpth";;
esac
```

: Now check and see which directories actually exist, avoiding duplicates

```
libpth="
for xxx in $dlist
do
  if $test -d $xxx; then
  case "$libpth" in
  *"$xxx"*) ;;
  *) libpth="$libpth $xxx";;
  esac
  fi
done
$cat <<'EOM'
```

Some systems have incompatible or broken versions of libraries. Among the directories listed in the question below, please remove any you know not to be holding relevant libraries, and add any that are needed. Say "none" for none.

```
EOM
case "$libpth" in
") dflt='none';;
*)
?X: strip leading space
set X $libpth
shift
dflt=${1+"$@"}
;;
esac
rp="Directories to use for library searches?"
./myread
case "$ans" in
none) libpth=' ';;
*) libpth="$ans";;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/libpth.U
```

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?RCS: \$Id\$

?RCS:

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```

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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_dlopen.U,v $
?RCS: Revision 3.0.1.2 1995/07/25 13:52:56 ram
?RCS: patch56: force compile-link test since symbol might lie in crt0.o (ADO)
?RCS:
?RCS: Revision 3.0.1.1 1994/08/29 16:07:34 ram
?RCS: patch32: created by ADO
?RCS:
?MAKE:d_dlopen: Inlibc runnm
?MAKE: -pick add $@ %<
?S:d_dlopen:
?S: This variable conditionally defines the HAS_DLOPEN symbol, which
?S: indicates to the C program that the dlopen() routine
is available.
?S:.
?C:HAS_DLOPEN :
?C: This symbol, if defined, indicates that the dlopen routine is
?C: available.
?C:.
?H:#$d_dlopen HAS_DLOPEN /**/
?H:.
?T: xxx_runnm
?LINT:set d_dlopen
?X: We don't permanently change runnm, but we do temporarily.
?LINT: change runnm
: see if dlopen exists
?X: On NetBSD and FreeBSD, dlopen is available, but it is in
?X: /usr/lib/crt0.o, not in any of the libraries. Therefore, do not
?X: use the nm extraction, but use a real compile and link test instead.
xxx_runnm="$runnm"
runnm=false
set dlopen d_dlopen
eval $inlibc
runnm="$xxx_runnm"

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_dlopen.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: man3dir.U,v 3.1 1999/07/08 20:52:19 doughera Exp doughera \$

?RCS:

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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: man3dir.U,v \$

?RCS: Revision 3.1 1999/07/08 20:52:19 doughera

?RCS: Updated for perl5.005\_5x

?RCS:

?RCS: Revision 3.0.1.1 1997/02/28 16:10:34 ram

?RCS: patch61: created

?RCS:

?X: This was originally specific to perl5. Since perl5 has man pages that  
?X: go in both man1/ and man3/ directories, we need both man1dir  
?X: and man3dir. This unit is basically dist's mansrc.U with  
?X: man3 used instead  
of man everywhere.

?X: I then added various tests because perl5 has \*lots\* of man3  
?X: pages with long file names. -- ADO

?X:

?MAKE:man3dir man3direxp man3ext installman3dir: cat nroff Loc Oldconfig \  
sed man1dir spackage package Getfile Setprefixvar Prefixit Prefixup \  
d\_flexfnam privlib Myread test

?MAKE: -pick add \$@ %<

?Y:TOP

?D:man3dir="

?S:man3dir:

?S: This variable contains the name of the directory in which manual  
?S: source pages are to be put. It is the responsibility of the  
?S: Makefile.SH to get the value of this into the proper command.

?S: You must be prepared to do the ~name expansion yourself.

?S:.

?D:man3direxp="

?S:man3direxp:

?S: This variable is the same as the man3dir variable, but is filename  
?S: expanded at configuration time, for convenient use in makefiles.

?S:.

?D:installman3dir="

?S:installman3dir:

?S: This variable is really the same as man3direxp, unless you are using  
?S: AFS in which case it points to the read/write location whereas  
?S: man3direxp only

points to the read-only access location. For extra  
 ?S: portability, you should only use this variable within your makefiles.  
 ?S:.  
 ?S:man3ext:  
 ?S: This variable contains the extension that the manual page should  
 ?S: have: one of 'n', 'l', or '3'. The Makefile must supply the '.'.  
 ?S: See man3dir.  
 ?S:.  
 ?T:prog tdfmt  
 ?LINT:change prefixvar  
 ?LINT:set man3direxp  
 : determine where library module manual pages go  
 set man3dir man3dir none  
 eval \$prefixit  
 \$cat <<EOM

\$spackage has manual pages for many of the library modules.  
 EOM

```
case "$nroff" in
nroff)
  $cat <<'EOM'
```

However, you don't have nroff, so they're probably useless to you.

```
EOM
case "$man3dir" in
") man3dir="none";;
esac;;
esac
```

```
case "$d_flexfnam" in
undef)
  $cat <<'EOM'
```

However, your system can't handle the long file names like File::Basename.3.

```
EOM
case "$man3dir" in
") man3dir="none";;
esac;;
esac
```

echo "If you don't want the manual sources installed, answer 'none'."

?X: In 5.005\_57 and earlier, I had the following notes:

?X:

We do not use /usr/local/man/man3 because some man programs will  
 ?X: only show the /usr/local/man/man3 contents, and not the system ones,  
 ?X: thus man less will show the perl module less.pm, but not the system  
 ?X: less command. We might also conflict with Tcl man pages.  
 ?X: However, something like /opt/perl/man/man3 is fine.

?X:

?X: However, opinion seems to be shifting such that 'man POSIX' ought

?X: to just work. -- Andy Dougherty July 8, 1999

?X:

?X: remove any trailing -3.0 or other version indication from \$package

```
prog=`echo $package | $sed 's/-*[0-9.]*$//`
```

```
case "$man3dir" in
```

```
) dflt=`echo "$man1dir" | $sed -e 's/man1/man3/g' -e 's/man\./man\./g`
```

```
if $test -d "$privlib/man/man3"; then
```

```
cat <<EOM >&4
```

WARNING: Previous versions of perl installed man3 pages into

\$privlib/man/man3. This version will suggest a

new default of \$dflt.

EOM

```
tdflt=$dflt
```

```
dflt='n'
```

```
rp='Do you wish to preserve the old behavior?(y/n)'
```

```
./myread
```

```
case "$ans" in
```

```
y*) dflt="$privlib/man/man3"
```

```
;;
```

```
*) dflt=$tdflt ;;
```

```
esac
```

```
fi
```

```
;;
```

```
*) dflt="$man3dir" ;;
```

```
esac
```

```
case "$dflt" in
```

```
' ') dflt=none ;;
```

```
esac
```

```
echo " "
```

```
fn=dn+~
```

```
rp="Where do the $package library man pages (source) go?"
```

```
./getfile
```

```
prefixvar=man3dir
```

```
./setprefixvar
```

```
case "$man3dir" in
```

```
) man3dir=' '
```

```
installman3dir=";;
```

```
esac
```

: What suffix to use on installed man pages

```
case "$man3dir" in
```

```
' )
```

```
man3ext='0'
```

```
;;
```

```
*)
```



```

rp="What suffix should be used for the $package library man pages?"
case "$man3ext" in
") case "$man3dir" in
*3) dflt=3 ;;
*3p) dflt=3p ;;
*3pm) dflt=3pm ;;
*1) dflt=1;;
*n) dflt=n;;
*o) dflt=o;;
*p) dflt=p;;
*C) dflt=C;;
*L) dflt=L;;
*L3) dflt=L3;;
*) dflt=3;;
esac
;;
*) dflt="$man3ext";;
esac
./myread
man3ext="$ans"
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/man3dir.U
```

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?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: man1dir.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 16:10:29 ram

?RCS: patch61: created

?RCS:

?X:

?X: This was originally specific to perl5. Since perl5 has man pages that

?X: go in both man1/ and man3/ directories, we need both man1dir

?X: and man3dir. This unit is basically dist's mansrc.U with

?X: man1 used instead of man everywhere.

```

?X:
?MAKE:man1dir man1direxp man1ext installman1dir: afs cat nroff Loc Oldconfig \
package test Getfile Prefixit prefixexp
Prefixup sysman Myread
?MAKE: -pick add $@ %<
?Y:TOP
?S:man1dir:
?S: This variable contains the name of the directory in which manual
?S: source pages are to be put. It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?S:man1direxp:
?S: This variable is the same as the man1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?S:installman1dir:
?S: This variable is really the same as man1direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man1direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:man1ext:
?S: This variable contains the extension that the manual page should
?S: have: one of 'n', 'l', or '1'. The Makefile must supply the '!'.
?S: See man1dir.
?S:.
?T:lookpath
: determine
  where manual pages go
set man1dir man1dir none
eval $prefixit
$cat <<EOM

$package has manual pages available in source form.
EOM
case "$nroff" in
nroff)
echo "However, you don't have nroff, so they're probably useless to you."
case "$man1dir" in
") man1dir="none";;
esac;;
esac
echo "If you don't want the manual sources installed, answer 'none'."
case "$man1dir" in
' ') dflt=none
;;
")

```

```

lookpath="$prefixexp/man/man1 $prefixexp/man/l_man/man1"
lookpath="$lookpath $prefixexp/man/p_man/man1"
lookpath="$lookpath $prefixexp/man/u_man/man1"
lookpath="$lookpath $prefixexp/man/man.1"
?X: Experience has shown people expect man1dir to be under prefix,
?X: so we now always put it there. Users who want other behavior
?X: can answer interactively or use a command line option.
?X: Does user have System V-style man paths.
case "$sysman" in
*/?_man*) dflt=`./loc . $prefixexp/l_man/man1 $lookpath` ;;
*) dflt=`./loc . $prefixexp/man/man1 $lookpath` ;;
esac
set dflt
eval $prefixup
;;
*)
  dflt="$man1dir"
  ;;
esac
echo " "
fn=dn+~
rp="Where do the main $spackge manual pages (source) go?"
./getfile
if $test "X$man1direxp" != "X$ansexp"; then
  installman1dir="
fi
man1dir="$ans"
man1direxp="$ansexp"
case "$man1dir" in
") man1dir=' '
  installman1dir=";;
esac
if $afs; then
  $cat <<EOM

```

Since you are running AFS, I need to distinguish the directory in which manual pages reside from the directory in which they are installed (and from which they are presumably copied to the former directory by occult means).

EOM

```

case "$installman1dir" in
") dflt=`echo $man1direxp | sed 's#^/afs/#/afs/.#`";;
*) dflt="$installman1dir";;
esac
fn=de~
rp='Where will man pages be installed?'
./getfile
installman1dir="$ans"

```

```
else
installman1dir="$man1direxp"
fi
```

: What suffix to use on installed man pages

```
case "$man1dir" in
' ')
man1ext='0'
;;
*)
rp="What suffix should be used for the main $spackage man pages?"
case "$man1ext" in
") case "$man1dir" in
*1) dflt=1 ;;
*1p)
dflt=1p ;;
*1pm) dflt=1pm ;;
*l) dflt=l;;
*n) dflt=n;;
*o) dflt=o;;
*p) dflt=p;;
*C) dflt=C;;
*L) dflt=L;;
*L1) dflt=L1;;
*) dflt=1;;
esac
;;
*) dflt="$man1ext";;
esac
./myread
man1ext="$ans"
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/man1dir.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_normsig.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
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```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_normsig.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 15:37:03 ram

?RCS: patch61: replaced .a with \$\_a all over the place

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 16:14:48 ram

?RCS: patch36: call ./bsd explicitly instead of relying on PATH

?RCS:

?RCS: Revision 3.0 1993/08/18 12:06:44 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_normsig jobslib: test Setvar Guess \_a

?MAKE: -pick add \$@ %<

?S:d\_normsig:

?S: This variable conditionally  
defines the NORMSIG symbol, which

?S: indicates to the C program that the normal signal handling routines

?S: should be used, as opposed to the ones in 4.1bsd (sigset, etc.).

?S:.

?S:jobslib:

?S: This variable holds the argument to be passed to the loader to include

?S: the strange signal handling routines from 4.1bsd. On systems that

?S: have NORMSIG defined this variable is null.

?S:.

?C:NORMSIG:

?C: This symbol, if defined, indicates that normal signal handling routines

?C: should be used, as opposed to the ones in 4.1bsd (sigset, etc.).

?C:.

?H:#\$d\_normsig NORMSIG /\*\*/

?H:.

?LINT:set d\_normsig

: see if we need -ljobs and if we have sigset, etc.

echo " "

if \$test -r /usr/lib/libjobs\$\_a || \$test -r /usr/local/lib/libjobs\$\_a ; then

echo "Jobs library found." >&4

val="\$undef"

jobslib='-ljobs'

else

if ./bsd; then

echo "No jobs library found. (I suppose this is at least 4.2...)" >&4

else

echo "No jobs library found. (That's okay, we all have our faults.)" >&4

fi

val="\$define"

jobslib=""

fi

set

d\_normsig  
eval \$setvar

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_normsig.U

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_hypot: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_hypot:

?S: This variable conditionally defines HAS\_HYPOT if hypot is available

?S: for numerically stable hypotenuse function.

?S:.

?C:HAS\_HYPOT:

?C: This symbol, if defined, indicates that the hypot routine is

?C: available to do the hypotenuse function.

?C:.

?H:#\$d\_hypot HAS\_HYPOT /\*\*/

?H:.

?LINT:set d\_hypot

: see if hypot exists

set hypot d\_hypot

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_hypot.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_systwgcf.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_systwgcf.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:39 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:i\_systwgcf: Inhdr

```
?MAKE: -pick add $@ %<
?S:i_systwgc:
?S: This variable conditionally defines the I_SYS_TWG_CF symbol, and
?S: indicates whether a C program should include sys/twg_config.h.
?S:.
?C:I_SYS_TWG_CF:
?C: This symbol, if defined, indicates to the C program that it should
?C: include sys/twg_config.h.
?C:.
?H:#$i_systwgc
I_SYS_TWG_CF /**/
?H:.
?LINT:set i_systwgc
: see if this is a sys/twg_config.h system
set sys/twg_config.h i_systwgc
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_systwgc.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_sitecustomize.U,v $
?RCS:
?RCS: Copyright (c) 2005-2006 H.Merijn Brand
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: d_sitecustomize.U,v $
?RCS:
?MAKE:usesitecustomize: Oldconfig Setvar
?MAKE: -pick add $@ %<
?S:usesitecustomize:
?S: This variable is set to true when the user requires a mechanism that
?S: allows the sysadmin to add entries to @INC at runtime. This variable
?S: being set, makes perl run '$sitelib/sitecustomize.pl' at startup.
?S:.
?C:USE_SITECUSTOMIZE:
?C: This symbol, if defined, indicates that sitecustomize should
?C: be used.
?C:.
?H:?%<:@if USE_SITECUSTOMIZE
?H:?%<:#ifndef USE_SITECUSTOMIZE
?H:?%<:#$usesitecustomize USE_SITECUSTOMIZE /**/
?H:?%<:#endif
?H:?%<:@end
?H:.
```

```

: Check if site customization support was requested
case "$usesitecustomize" in
  $define|true|[Yy]*)
    usesitecustomize="$define"
  ;;
  *)
    usesitecustomize="$undef"
  ;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_sitecustomize.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_sigblock.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_sigblock.U,v $
?RCS: Revision 3.0 1993/08/18 12:07:21 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_sigblock: Inlibc
?MAKE: -pick add $@ %<
?S:d_sigblock:
?S: This variable conditionally defines HAS_SIGBLOCK if sigblock() is
?S: available to block signal reception.
?S:
?C:HAS_SIGBLOCK:
?C: This symbol, if defined, indicates that the sigblock routine is
?C: available to block signal reception.
?C:
?H:#$d_sigblock HAS_SIGBLOCK /**/
?H:
?LINT:set
d_sigblock
: see if sigblock exists
set sigblock d_sigblock
eval $inlibc

```

Found in path(s):



\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_sigblock.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_semget.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_semget.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:05 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_semget: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_semget:

?S: This variable conditionally defines the HAS\_SEMGET symbol, which

?S: indicates to the C program that the semget() routine is available.

?S:.

?C:HAS\_SEMGET:

?C: This symbol, if defined, indicates that the semget() routine is

?C: available to get a set of semaphores.

?C:.

?H:#\$d\_semget

HAS\_SEMGET /\*\*/

?H:.

?LINT:set d\_semget

: see if semget exists

set semget d\_semget

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_semget.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: cppstdin.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: cppstdin.U,v \$  
?RCS: Revision 3.0.1.4 1994/10/29 16:08:34 ram  
?RCS: patch36: added ?F: line for metalint file checking  
?RCS:  
?RCS: Revision 3.0.1.3 1994/01/24 14:05:38 ram  
?RCS: patch16: comment for CPPLAST was missing  
?RCS:  
?RCS: Revision 3.0.1.2 1993/12/15 08:18:58 ram  
?RCS: patch15: new variables cprun and cpplast, guaranteed wrapper-free  
?RCS: patch15: cppstdin now tries to use cc, even at the cost of a wrapper  
?RCS:  
?RCS: Revision 3.0.1.1  
1993/08/25 14:00:53 ram  
?RCS: patch6: remove wrapper when not actually used  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:38 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:cppstdin cppminus cprun cpplast: contains test \  
Myread Oldconfig Loc cpp +cc rm hint osname gccversion  
?MAKE: -pick add \$@ %<  
?S:cppstdin:  
?S: This variable contains the command which will invoke the C  
?S: preprocessor on standard input and put the output to stdout.  
?S: It is primarily used by other Configure units that ask about  
?S: preprocessor symbols.  
?S:.  
?S:cppminus:  
?S: This variable contains the second part of the string which will invoke  
?S: the C preprocessor on the standard input and produce to standard  
?S: output. This variable will have the value "-" if cppstdin needs  
?S: a minus to specify standard input, otherwise the value is "".  
?S:.  
?S:cprun:  
?S: This variable contains the command which will invoke a C preprocessor  
?S: on standard input and put the output to stdout. It is guaranteed  
not  
?S: to be a wrapper and may be a null string if no preprocessor can be  
?S: made directly available. This preprocessor might be different from the  
?S: one used by the C compiler. Don't forget to append cpplast after the  
?S: preprocessor options.  
?S:.  
?S:cpplast:  
?S: This variable has the same functionality as cppminus, only it applies  
?S: to cprun and not cppstdin.

?S:.

?C:CPPSTDIN:

?C: This symbol contains the first part of the string which will invoke  
?C: the C preprocessor on the standard input and produce to standard  
?C: output. Typical value of "cc -E" or "/lib/cpp", but it can also  
?C: call a wrapper. See CPPRUN.

?C:.

?C:CPPMINUS:

?C: This symbol contains the second part of the string which will invoke  
?C: the C preprocessor on the standard input and produce to standard  
?C: output. This symbol will have the value "-" if CPPSTDIN needs a minus  
?C: to specify standard input, otherwise the value is "".

?C:.

?C:CPPRUN:

?C: This symbol contains the string which will invoke  
a C preprocessor on  
?C: the standard input and produce to standard output. It needs to end  
?C: with CPPLAST, after all other preprocessor flags have been specified.  
?C: The main difference with CPPSTDIN is that this program will never be a  
?C: pointer to a shell wrapper, i.e. it will be empty if no preprocessor is  
?C: available directly to the user. Note that it may well be different from  
?C: the preprocessor used to compile the C program.

?C:.

?C:CPPLAST:

?C: This symbol is intended to be used along with CPPRUN in the same manner  
?C: symbol CPPMINUS is used with CPPSTDIN. It contains either "-" or "".

?C:.

```
?H:#define CPPSTDIN "$cppstdin"
?H:#define CPPMINUS "$cppminus"
?H:#define CPPRUN "$cpprun"
?H:#define CPPLAST "$cpplast"
?H:.
```

```
?F:cppstdin !testcpp.out !testcpp.c
?T:wrapper x_cpp x_minus ok
?LINT:extern cppflags
: see how we invoke the C preprocessor
echo " "
echo "Now, how can we feed standard input to your C preprocessor..." >&4
cat <<'EOT' >testcpp.c
#define ABC abc
#define
XYZ xyz
ABC.XYZ
EOT
cd ..
if test ! -f cppstdin; then
if test "X$osname" = "Xaix" -a "X$gccversion" = X; then
# AIX cc -E doesn't show the absolute headerfile
```

```

# locations but we'll cheat by using the -M flag.
echo 'cat >.$$.c; rm -f .$$.u; ""$cc"" ${1+"$@"} -M -c .$$.c 2>/dev/null; test -s .$$.u && awk ""$2 ~ /\.h$/ { print
"# 0 \\"$2\\"" } "" .$$u; rm -f .$$.o .$$.u; ""$cc"" -E ${1+"$@"} .$$c; rm .$$.c' > cppstdin
else
echo 'cat >.$$.c; ""$cc $cppflags"" -E ${1+"$@"} .$$c; rm .$$.c' > cppstdin
fi
else
echo "Keeping your $hint cppstdin wrapper."
fi
chmod 755 cppstdin
wrapper=`pwd`/cppstdin
ok='false'
cd UU

?X:
?X: We'll run the cpp tests again if we don't have any valid C preprocessor
?X: yet or don't know how to proceed without a wrapper (in which case cpprun
?X: is empty and that's really annoying...)
?X:
if $test "X$cppstdin" != "X" && \
$cppstdin $cppminus <testcpp.c >testcpp.out 2>&1 && \
$contains 'abc.*xyz' testcpp.out >/dev/null 2>&1
then
echo "You used
to use $cppstdin $cppminus so we'll use that again."
case "$cpprun" in
") echo "But let's see if we can live without a wrapper..." ;;
*)
if $cpprun $cppplast <testcpp.c >testcpp.out 2>&1 && \
$contains 'abc.*xyz' testcpp.out >/dev/null 2>&1
then
echo "(And we'll use $cpprun $cppplast to preprocess directly.)"
ok='true'
else
echo "(However, $cpprun $cppplast does not work, let's see...)"
fi
;;
esac
else
case "$cppstdin" in
") ;;
*)
echo "Good old $cppstdin $cppminus does not seem to be of any help..."
;;
esac
fi

if $ok; then

```

```

: nothing
elif echo 'Maybe ""$cc" -E" will work...'; \
$cc -E <testcpp.c >testcpp.out 2>&1; \
$contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
echo "Yup, it does."
x_cpp="$cc $cppflags -E"
x_minus="";
elif echo 'Nope...maybe ""$cc" -E -" will work...'; \
$cc -E - <testcpp.c >testcpp.out 2>&1; \
$contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
echo "Yup, it does."
x_cpp="$cc $cppflags -E"
x_minus='-';
elif
echo 'Nope...maybe ""$cc" -P" will work...'; \
$cc -P <testcpp.c >testcpp.out 2>&1; \
$contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
echo "Yipee, that works!"
x_cpp="$cc $cppflags -P"
x_minus="";
elif echo 'Nope...maybe ""$cc" -P -" will work...'; \
$cc -P - <testcpp.c >testcpp.out 2>&1; \
$contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
echo "At long last!"
x_cpp="$cc $cppflags -P"
x_minus='-';
elif echo 'No such luck, maybe "$cpp" will work...'; \
$cpp <testcpp.c >testcpp.out 2>&1; \
$contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
echo "It works!"
x_cpp="$cpp $cppflags"
x_minus="";
elif echo 'Nixed again...maybe "$cpp" -" will work...'; \
$cpp - <testcpp.c >testcpp.out 2>&1; \
$contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
echo "Hooray, it works! I was beginning to wonder."
x_cpp="$cpp $cppflags"
x_minus='-';
elif echo 'Uh-uh. Time to get fancy. Trying a wrapper...'; \
$wrapper <testcpp.c >testcpp.out 2>&1; \
$contains
'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
x_cpp="$wrapper"
x_minus="
echo "Eureka!"
else
dflt="
rp="No dice. I can't find a C preprocessor. Name one:"

```

```

./myread
x_cpp="$ans"
x_minus=""
$x_cpp <testcpp.c >testcpp.out 2>&1
if $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
  echo "OK, that will do." >&4
else
  echo "Sorry, I can't get that to work. Go find one and rerun Configure." >&4
  exit 1
fi
fi

```

```

case "$ok" in
false)
  cppstdin="$x_cpp"
  cppminus="$x_minus"
  cpprun="$x_cpp"
  cpplast="$x_minus"
  ?X:
  ?X: If /lib/cpp is used, try using a wrapper to increase our chances to have
  ?X: the C compiler and our $cppstdin agree on the same symbols... However,
  ?X: since cpprun is guaranteed not to be a wrapper, we must clear it if the
  ?X: only preprocessor we found was a wrapper, with all our luck...
  ?X:
  set X $x_cpp
  shift
  case "$1" in
"$cpp")
    echo "Perhaps can we force $cc -E using a wrapper..."
    if $wrapper <testcpp.c >testcpp.out 2>&1; \
      $contains 'abc.*xyz'
testcpp.out >/dev/null 2>&1
    then
      echo "Yup, we can."
      cppstdin="$wrapper"
      cppminus="";
    else
      echo "Nope, we'll have to live without it..."
    fi
  ;;
esac
case "$cpprun" in
"$wrapper")
  cpprun="
  cpplast="
  ;;
esac
;;

```

esac

```
case "$cppstdin" in
"$wrapper"|'cppstdin') ;;
*) $rm -f $wrapper;;
esac
$rm -f testcpp.c testcpp.out
```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/cppstdin.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_flock.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_flock.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:05 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_flock: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_flock:

?S: This variable conditionally defines HAS\_FLOCK if flock() is

?S: available to do file locking.

?S:.

?C:HAS\_FLOCK (FLOCK):

?C: This symbol, if defined, indicates that the flock routine is

?C: available to do file locking.

?C:.

?H:#\$d\_flock HAS\_FLOCK /\*\*/

?H:.

?LINT:set d\_flock

: see

if flock exists

set flock d\_flock

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_flock.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_pathconf.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_pathconf.U,v $
?RCS: Revision 3.0.1.1 1994/10/29 16:14:54 ram
?RCS: patch36: created by ADO
?RCS:
?MAKE:d_pathconf d_fpathconf: Inlibc
?MAKE: -pick add $@ %<
?S:d_pathconf:
?S: This variable conditionally defines the HAS_PATHCONF symbol, which
?S: indicates to the C program that the pathconf() routine is available
?S: to determine file-system related limits and options
associated
?S: with a given filename.
?S:.
?S:d_fpathconf:
?S: This variable conditionally defines the HAS_FPATHCONF symbol, which
?S: indicates to the C program that the pathconf() routine is available
?S: to determine file-system related limits and options associated
?S: with a given open file descriptor.
?S:.
?C:HAS_PATHCONF:
?C: This symbol, if defined, indicates that pathconf() is available
?C: to determine file-system related limits and options associated
?C: with a given filename.
?C:.
?C:HAS_FPATHCONF:
?C: This symbol, if defined, indicates that pathconf() is available
?C: to determine file-system related limits and options associated
?C: with a given open file descriptor.
?C:.
?H:#$d_pathconf HAS_PATHCONF /**/
?H:#$d_fpathconf HAS_FPATHCONF /**/
?H:.
?LINT:set d_pathconf
?LINT:set d_fpathconf
```



```
: see if pathconf exists
set pathconf d_pathconf
eval $inlibc
```

```
@if d_fpathconf || HAS_FPATHCONF
: see if fpathconf exists
set fpathconf d_fpathconf
eval $inlibc
```

```
@end
```

Found in path(s):

\*

```
/opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_pathconf.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_time.U,v 3.0 1993/08/18 12:08:45 ram Exp $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?RCS: $Log: i_time.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:08:45 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?X:
```

```
?X: This unit finds which "time" include to use. If 'timezone' is used by the
```

```
?X: program, we also try to find which header should be included. Eventually,
```

```
?X: we look for <sys/select.h> if I_SYSSSELECT is used, to get struct timeval.
```

```
?X:
```

```
?MAKE:i_time i_systime i_systimek timeincl d_tm_tm_zone d_tm_tm_gmtoff: \
```

```
Compile cat \
```

```
contains rm_try echo n
```

```
c +i_sysselect Findhdr Hasfield i_stdlib
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_time:
```

```
?S: This variable unconditionally defines I_TIME, which indicates
```

```
?S: to the C program that it should include <time.h>.
```

```
?S:.
```

```
?S:i_systime:
```

```
?S: This variable conditionally defines I_SYS_TIME, which indicates
```

```
?S: to the C program that it should include <sys/time.h>.
```

?S:.

?S:i\_systimek:

?S: This variable conditionally defines I\_SYS\_TIME\_KERNEL, which

?S: indicates to the C program that it should include <sys/time.h>

?S: with KERNEL defined.

?S:.

?S:timeincl:

?S: This variable holds the full path of the included time header(s).

?S:.

?S:d\_tm\_tm\_zone:

?S: This variable conditionally defines HAS\_TM\_TM\_ZONE, which indicates

?S: indicates to the C program that the struct tm has the tm\_zone field.

?S:.

?S:d\_tm\_tm\_gmtoff:

?S: This variable conditionally defines HAS\_TM\_TM\_GMTOFF, which indicates

?S: indicates to the C program that the struct tm has the tm\_gmtoff field.

?S:.

?C:I\_TIME (USE\_TIME\_H):

?C: This symbol is always defined,

and indicates to the C program that

?C: it should include <time.h>.

?C:.

?C:I\_SYS\_TIME (I\_SYSTIME USE\_SYS\_TIME\_H NO\_TIME\_WITH\_SYS\_TIME):

?C: This symbol, if defined, indicates to the C program that it should

?C: include <sys/time.h>.

?C:.

?C:I\_SYS\_TIME\_KERNEL (I\_SYSTIMEKERNEL):

?C: This symbol, if defined, indicates to the C program that it should

?C: include <sys/time.h> with KERNEL defined.

?C:.

?C:HAS\_TM\_TM\_ZONE:

?C: This symbol, if defined, indicates to the C program that

?C: the struct tm has a tm\_zone field.

?C:.

?C:HAS\_TM\_TM\_GMTOFF:

?C: This symbol, if defined, indicates to the C program that

?C: the struct tm has a tm\_gmtoff field.

?C:.

?H:#\$i\_time I\_TIME /\*\*/

?H:#\$i\_systime I\_SYS\_TIME /\*\*/

?H:#\$i\_systimek I\_SYS\_TIME\_KERNEL /\*\*/

?H:#\$d\_tm\_tm\_zone HAS\_TM\_TM\_ZONE /\*\*/

?H:#\$d\_tm\_tm\_gmtoff HAS\_TM\_TM\_GMTOFF /\*\*/

?H:.

?W::timezone

?T:xselect flags sysselect s\_timeval s\_timezone

?LINT:change i\_sysselect

?LINT:set d\_tm\_tm\_zone

```

?LINT:set d_tm_tm_gmtoff
: see if we should include
sys/time.h
echo " "
i_time='define'
if test "$timeincl" = X; then
echo "Testing to see if we should include <sys/time.h>." >&4
$echo $n "I'm now running the test program...$c"
$cat >try.c <<EOCP
#include <sys/types.h>
#include <time.h>
#ifdef I_SYSTIME
#ifdef SYSTIMEKERNEL
#define KERNEL
#endif
#include <sys/time.h>
#endif
#ifdef I_SYSSELECT
#include <sys/select.h>
#endif
#$i_stdlib I_STDLIB
#ifdef I_STDLIB
#include <stdlib.h>
#endif
int main()
{
struct tm foo;
#ifdef S_TIMEVAL
struct timeval bar;
#endif
#ifdef S_TIMEZONE
struct timezone tzp;
#endif
if (foo.tm_sec == foo.tm_sec)
exit(0);
#ifdef S_TIMEVAL
if (bar.tv_sec == bar.tv_sec)
exit(0);
#endif
exit(1);
}
EOCP
flags="
@if I_SYSSELECT
if $contains 'timeval.*{`./findhdr sys/select.h` >/dev/null 2>&1; then
xselect='-DI_SYSSELECT'
else
xselect="

```

```

fi
@end
@if timezone
for s_timezone in '-DS_TIMEZONE' "; do
@else
s_timezone=""
@end
?X: Every package is given a try with 'struct timeval'
@if I_SYSSELECT
for
sysselect in $xselect "; do
@else
sysselect=""
@end
for s_timeval in '-DS_TIMEVAL' "; do
for i_systimek in "'-DSYSTIMEKERNEL'; do
for i_systime in '-DI_SYSTIME' "; do
case "$flags" in
") $echo $n ". $c"
set try $i_systime $i_systimek $sysselect $s_timeval $s_timezone
if eval $compile; then
set X $i_systime $i_systimek $sysselect $s_timeval
shift
flags="$*"
echo " "
$echo $n "Succeeded with $flags$c"
fi
;;
esac
done
done
done
@if I_SYSSELECT
done
@end
@if timezone
done
@end
timeincl=""
echo " "
case "$flags" in
*SYSTIMEKERNEL*) i_systimek="$define"
timeincl=`./findhdr sys/time.h`
echo "We'll include <sys/time.h> with KERNEL defined." >&4;;
*) i_systimek="$undef";;
esac
case "$flags" in
*I_SYSTIME*) i_systime="$define"

```

```

timeincl=`./findhdr sys/time.h` $timeincl"
echo "We'll include <sys/time.h>." >&4;;
*) i_systime="$undef";;
esac
@if I_SYSSSELECT
case "$flags" in
*_I_SYSSSELECT*) i_syssselct="$define"
timeincl=`./findhdr
sys/select.h` $timeincl"
echo "We'll also include <sys/select.h> to get struct timeval." >&4;;
*) case "$i_syssselct" in
") i_syssselct="$undef";;
esac
esac
@end
$rm_try
fi
: see if struct tm knows about tm_zone
case "$i_systime$i_time" in
*$define*)
echo " "
echo "Checking to see if your struct tm has tm_zone field..." >&4
set d_tm_tm_zone tm tm_zone $i_systime sys/time.h $i_time time.h
eval $hasfield
;;
*) val="$undef"
set d_tm_tm_zone
eval $setvar
;;
esac
case "$d_tm_tm_zone" in
"$define") echo "Yes, it does." ;;
*) echo "No, it doesn't." ;;
esac
: see if struct tm knows about tm_gmtoff
case "$i_systime$i_time" in
*$define*)
echo " "
echo "Checking to see if your struct tm has tm_gmtoff field..." >&4
set d_tm_tm_gmtoff tm tm_gmtoff $i_systime sys/time.h $i_time time.h
eval $hasfield
;;
*) val="$undef"
set d_tm_tm_gmtoff

eval $setvar
;;
esac

```

```

case "$d_tm_tm_gmtoff" in
"$define")  echo "Yes, it does." ;;
*)          echo "No, it doesn't." ;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/i_time.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Tr.U,v \$

?RCS: Revision 3.0.1.2 1994/10/29 18:00:54 ram

?RCS: patch43: forgot to quote \$@ to protect against "evil" characters

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 15:58:35 ram

?RCS: patch36: created

?RCS:

?X:

?X: This unit produces a bit of shell code that must be dotted in in order

?X: to do a character translation. It catches translations to uppercase or

?X: to lowercase, and then invokes the real tr to perform the job.

?X:

?X: This unit is necessary on HP machines (HP strikes again!)

with non-ascii

?X: ROMAN8-charset, where normal letters are not arranged in a row, so a-z

?X: covers not the whole alphabet but lots of special chars. This was reported

?X: by Andreas Sahlbach <a.sahlbach@tu-bs.de>.

?X:

?X: Units performing a tr '[A-Z]' '[a-z]' or the other way round should include

?X: us in their dependency and use ./tr instead.

?X:

?MAKE:Tr: startsh tr eunicefix

?MAKE:-pick add \$@ %<

?F:./tr

?T:up low LC\_ALL

: see whether [:lower:] and [:upper:] are supported character classes

echo " "

```

case ""echo AbyZ | LC_ALL=C $tr '[:lower:]' '[:upper:]' 2>/dev/null`" in

```

```

ABYZ)
echo "Good, your tr supports [:lower:] and [:upper:] to convert case." >&4
up='[:upper:]'
low='[:lower:]'
;;
*) # There is a discontinuity in EBCDIC between 'I' and 'J'
   # (0xc9 and 0xd1), therefore that is a nice testing point.
   if test "X$up" = X -o "X$low" = X; then
       case "`echo IJ | LC_ALL=C $tr '[I-J]' '[i-j]' 2>/dev/null`" in
           ij) up='[A-Z]'
               low='[a-z]'
               ;;
       esac
   fi
if test "X$up" = X -o "X$low" = X; then
    case "`echo IJ | LC_ALL=C $tr I-J i-j 2>/dev/null`" in
        ij) up='A-Z'
            low='a-z'
            ;;
    esac
    fi
if test "X$up" = X -o "X$low" = X; then
    case "`echo IJ | od -x 2>/dev/null`" in
        *C9D1*|*c9d1*)
            echo "Hey, this might be EBCDIC." >&4
            if test "X$up" = X -o "X$low" = X; then
                case "`echo IJ | \
                    LC_ALL=C $tr '[A-IJ-RS-Z]' '[a-ij-rs-z]' 2>/dev/null`" in
                    ij) up='[A-IJ-RS-Z]'
                        low='[a-ij-rs-z]'
                        ;;
                    esac
                fi
            fi
            if test "X$up" = X -o "X$low" = X; then
                case "`echo IJ | LC_ALL=C $tr A-IJ-RS-Z a-ij-rs-z 2>/dev/null`" in
                    ij) up='A-IJ-RS-Z'
                        low='a-ij-rs-z'
                        ;;
                    esac
                fi
            ;;
        esac
    fi
    ;;
    esac
fi
esac
case "`echo IJ | LC_ALL=C $tr \"$up\" \"$low\" 2>/dev/null`" in
    ij)
        echo "Using $up and $low to convert case." >&4

```

```

;;
*)
    echo "I don't know how to translate letters from upper to lower case." >&4
    echo "Your tr is not acting any way I know of." >&4
    exit 1
;;
esac
: set up the translation script tr, must be called with ./tr of course
cat >tr <<EOESC
$startsh
case "$1\2" in
[A-Z][a-z]) LC_ALL=C exec $tr '$up' '$low';;
[a-z][A-Z]) LC_ALL=C exec $tr '$low' '$up';;
esac
LC_ALL=C exec $tr "\$@"
EOESC
chmod +x tr
$unicefix tr

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Tr.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: scriptdir.U,v \$

?RCS: Revision 3.0.1.3 1995/09/25 09:17:15 ram

?RCS: patch59: unit is now forced to the top of Configure, if possible

?RCS:

?RCS: Revision 3.0.1.2 1995/01/30 14:46:13 ram

?RCS: patch49: can now handle installation prefix changes (from WED)

?RCS:

?RCS: Revision 3.0.1.1 1994/08/29 16:32:04 ram

?RCS: patch32: now uses installation prefix

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:45 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:scriptdir scriptdirexp installscript:



```

afs cat test Getfile Loc \
Oldconfig +bin Prefixit prefixexp Prefixup
?MAKE: -pick add $@ %<
?Y:TOP
?S:scriptdir:
?S: This variable holds the name of the directory in which the user wants
?S: to put publicly scripts for the package in question. It is either
?S: the same directory as for binaries, or a special one that can be
?S: mounted across different architectures, like /usr/share. Programs
?S: must be prepared to deal with ~name expansion.
?S:.
?S:scriptdirexp:
?S: This variable is the same as scriptdir, but is filename expanded
?S: at configuration time, for programs not wanting to bother with it.
?S:.
?S:installscript:
?S: This variable is usually the same as scriptdirexp, unless you are on
?S: a system running AFS, in which case they may differ slightly. You
?S: should always use this variable within your makefiles for portability.
?S:.
?C:SCRIPTDIR:
?C: This symbol holds the name of the directory in which the user wants
?C: to put publicly executable scripts for the
?C: package in question. It
?C: is often a directory that is mounted across diverse architectures.
?C: Programs must be prepared to deal with ~name expansion.
?C:.
?C:SCRIPTDIR_EXP:
?C: This is the same as SCRIPTDIR, but is filename expanded at
?C: configuration time, for use in programs not prepared to do
?C: ~name substitutions at run-time.
?C:.
?H:#define SCRIPTDIR "$scriptdir" /**/
?H:#define SCRIPTDIR_EXP "$scriptdirexp" /**/
?H:.
: determine where public executable scripts go
set scriptdir scriptdir
eval $prefixit
case "$scriptdir" in
")
dflt="$bin"
: guess some guesses
$test -d /usr/share/scripts && dflt=/usr/share/scripts
$test -d /usr/share/bin && dflt=/usr/share/bin
$test -d /usr/local/script && dflt=/usr/local/script
$test -d $prefixexp/script && dflt=$prefixexp/script
set dflt
eval $prefixup

```

```
;;
*) dflt="$scriptdir"
;;
esac
$cat <<EOM
```

Some installations have a separate directory just for executable scripts so that they can mount it across multiple architectures but keep the scripts in one spot. You might, for example, have a subdirectory of /usr/share for this. Or you might just lump your scripts in with all your other executables.

```
EOM
fn=d~
rp='Where do you keep publicly executable scripts?'
./getfile
if $test "X$ansexp" != "X$scriptdirexp"; then
installscript="
fi
scriptdir="$ans"
scriptdirexp="$ansexp"
if $afs; then
$cat <<EOM
```

Since you are running AFS, I need to distinguish the directory in which scripts reside from the directory in which they are installed (and from which they are presumably copied to the former directory by occult means).

```
EOM
case "$installscript" in
") dflt=`echo $scriptdirexp | sed 's#^/afs/#/afs/#'`;;
*) dflt="$installscript";;
esac
fn=de~
rp='Where will public scripts be installed?'
./getfile
installscript="$ans"
else
installscript="$scriptdirexp"
fi
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/scriptdir.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_jeefp.U,v $
```

```
?RCS:
```

```

?RCS: Copyright (c) 1998 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_ieefp: Inhdr Hasfield
?MAKE:-pick add $@ %<
?S:i_ieefp:
?S: This variable conditionally defines the I_IEEEFP symbol, and indicates
?S: whether a C program should include <ieefp.h>.
?S:.
?C:I_IEEEFP:
?C: This symbol, if defined, indicates that <ieefp.h> exists and
?C: should be included.
?C:.
?H:#$i_ieefp I_IEEEFP /**/
?H:.
?LINT:set i_ieefp
: see if this is a ieefp.h system
case "$i_ieefp" in
") set ieefp.h i_ieefp
    eval $inhdr
    ;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_ieefp.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_getwd.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_getwd.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:18 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_getwd: Csym Setvar
?MAKE:-pick add $@ %<
?S:d_getwd:
?S: This variable conditionally defines HAS_GETWD if getwd() is

```

?S: available to get working directory. If not, you should

?S: probably use getcwd().

?S:.

?C:HAS\_GETWD (GETWD):

?C: This symbol, if defined, indicates that the getwd routine is

?C: available to get working directory.

If not, you should

?C: probably use getcwd().

?C:.

?H:#\$d\_getwd HAS\_GETWD /\*\*/

?H:.

?LINT:set d\_getwd

: see if getwd exists

echo " "

if set getwd val -f d\_getwd; eval \$csym; \$val; then

echo 'getwd() found.'>&4

val="\$define"

else

echo 'getwd() not found. Assuming getcwd() exists.'>&4

val="\$undef"

fi

set d\_getwd

eval \$setvar

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_getwd.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_flexfnam.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_flexfnam.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:04 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_flexfnam: cat rm test Setvar

?MAKE: -pick add \$@ %<

?S:d\_flexfnam:

?S: This variable conditionally defines the FLEXFILENAMES symbol, which

?S: indicates that the system supports filenames longer than 14 characters.

```

?S:.
?C:FLEXFILENAMES:
?C: This symbol, if defined, indicates that the system supports filenames
?C: longer than 14
?C: characters.
?C:.
?H:#$d_flexfnam FLEXFILENAMES /**/
?H:.
?T:first
?LINT:set d_flexfnam
: see if we can have long filenames
echo " "
?X:
?X: We have to test in both /tmp and . because of NFS (remote server may allow
?X: long filenames while the local filesystem cannot support them). If at least
?X: one of those file systems cannot support long filenames, then we assume the
?X: whole system can't.
?X:
first=123456789abcdef
$rm -f $first
if (echo hi >$first) 2>/dev/null; then
if $test -f 123456789abcde; then
echo 'You cannot have filenames longer than 14 characters. Sigh.'>&4
val="$undef"
else
echo 'You can have filenames longer than 14 characters.'>&4
val="$define"
fi
else
$cat <<'EOM'
You can't have filenames longer than 14 chars.
You can't even think about them!
EOM
val="$undef"
fi
set d_flexfnam
eval $setvar
$rm -rf 123456789abcde*

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/modified/d_flexfnam.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_msgget.U 1 2006-08-24 12:32:52Z rmanfredi $

```

```

?RCS:

```

```

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

```

```

?RCS:

```

?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_msgget.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:39 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_msgget: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_msgget:  
?S: This variable conditionally defines the HAS\_MSGGET symbol, which  
?S: indicates to the C program that the msgget() routine is available.  
?S:.  
?C:HAS\_MSGGET:  
?C: This symbol, if defined, indicates that the msgget() routine is  
?C: available to get a new message queue.  
?C:.  
?H:#\$d\_msgget  
HAS\_MSGGET /\*\*/  
?H:.  
?LINT:set d\_msgget  
: see if msgget exists  
set msgget d\_msgget  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_msgget.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: otherlibdirs.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera \$  
?RCS:  
?RCS: Copyright (c) 1999-2000, Andy Dougherty  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: otherlibdirs.U,v \$  
?RCS: Revision 1.1 1999/07/08 18:32:57 doughera  
?RCS: Initial revision  
?RCS:  
?RCS: Revision 1.1 1999/07/08 18:20:26 doughera

```

?RCS: Initial revision
?RCS:
?RCS:
?MAKE:otherlibdirs d_perl_otherlibdirs: Myread cat sitelib sitearch \
vendorarch vendorlib Setvar
?MAKE: -pick add $@ %<
?Y:TOP
?S:otherlibdirs:
?S: This variable contains a colon-separated set of paths for the perl
?S: binary to search for additional library files
or modules.
?S: These directories will be tacked to the end of @INC.
?S: Perl will automatically search below each path for version-
?S: and architecture-specific directories. See inc_version_list
?S: for more details.
?S: A value of '' means 'none' and is used to preserve this value
?S: for the next run through Configure.
?S:.
?S:d_perl_otherlibdirs:
?S: This variable conditionally defines PERL_OTHERLIBDIRS, which
?S: contains a colon-separated set of paths for the perl binary to
?S: include in @INC. See also otherlibdirs.
?S:.
?C:PERL_OTHERLIBDIRS:
?C: This variable contains a colon-separated set of paths for the perl
?C: binary to search for additional library files or modules.
?C: These directories will be tacked to the end of @INC.
?C: Perl will automatically search below each path for version-
?C: and architecture-specific directories. See PERL_INC_VERSION_LIST
?C: for more details.
?C:.
?H:#$d_perl_otherlibdirs PERL_OTHERLIBDIRS "$otherlibdirs" /**/
?H:.
?LINT: set d_perl_otherlibdirs
:
Final catch-all directories to search
$cat <<EOM

```

Lastly, you can have perl look in other directories for extensions and modules in addition to those already specified.

These directories will be searched after

```
$sitearch
```

```
$sitelib
```

```
EOM
```

```
test X"$vendorlib" != "X" && echo ' ' $vendorlib
```

```
test X"$vendorarch" != "X" && echo ' ' $vendorarch
```

```
echo ' '
```

```
case "$otherlibdirs" in
```

```
"|' ) dflt='none' ;;
*) dflt="$otherlibdirs" ;;
esac
$cat <<EOM
```

Enter a colon-separated set of extra paths to include in perl's @INC search path, or enter 'none' for no extra paths.

EOM

```
rp='Colon-separated list of additional directories for perl to search?'
```

```
./myread
case "$ans" in
'|'|none) otherlibdirs=' ' ;;
*) otherlibdirs="$ans" ;;
esac
case "$otherlibdirs" in
'|' ) val=$undef ;;
*) val=$define ;;
esac
set d_perl_otherlibdirs
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/otherlibdirs.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_memcmp.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
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```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_memcmp.U,v $
```

```
?RCS: Revision 3.0.1.1 1993/09/13 16:02:35 ram
```

```
?RCS: patch10: removed text recommending bcmp over memcmp (WAD)
```

```
?RCS:
```

```
?RCS: Revision 3.0 1993/08/18 12:06:33 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:d_memcmp: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_memcmp:
```

```
?S: This variable conditionally defines the HAS_MEMCMP symbol, which
```



?S: indicates to the C program that the memcmp() routine is available

?S: to compare blocks of  
memory.

?S:.

?C:HAS\_MEMCMP (MEMCMP):

?C: This symbol, if defined, indicates that the memcmp routine is available

?C: to compare blocks of memory.

?C:.

?H:#\$d\_memcmp HAS\_MEMCMP /\*\*/

?H:.

?LINT:set d\_memcmp

: see if memcmp exists

set memcmp d\_memcmp

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_memcmp.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Options.U,v \$

?RCS: Revision 3.0.1.7 1997/02/28 15:08:15 ram

?RCS: patch61: optdef.sh now starts with a "startsh"

?RCS: patch61: moved some code from Head.U

?RCS:

?RCS: Revision 3.0.1.6 1995/09/25 09:14:46 ram

?RCS: patch59: protected option parsing code against 'echo -\*' option failure

?RCS:

?RCS: Revision 3.0.1.5 1995/05/12 12:04:52 ram

?RCS: patch54: added -K option for experts

?RCS:

?RCS: Revision 3.0.1.4 1995/01/30 14:27:52 ram

?RCS: patch49: this unit now exports file optdef.sh,  
not a variable

?RCS:

?RCS: Revision 3.0.1.3 1995/01/11 15:19:00 ram

?RCS: patch45: new -O option allowing -D and -U to override config.sh settings

?RCS: patch45: file optdef.sh is no longer removed after sourcing

```

?RCS:
?RCS: Revision 3.0.1.2 1994/10/29 15:58:06 ram
?RCS: patch36: ensure option definition file is removed before appending
?RCS: patch36: protect variable definitions with spaces in them
?RCS:
?RCS: Revision 3.0.1.1 1994/06/20 06:55:44 ram
?RCS: patch30: now uses new me symbol to tag error messages
?RCS: patch30: new -D and -U options to define/undef symbols (JHI)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:14 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: Command line parsing. It is really important that the variables used here
?X: be not listed in the MAKE line, or they will be saved in config.sh and
?X: loading this file to fetch default answers would clobber the values set
?X: herein.
?X:
?MAKE:Options: startsh
?MAKE: -pick wipe $@ %<
?V:reuseval
alldone error realsilent silent extractsh fastread \
override knowitall: config_sh
?T:arg argn symbol config_arg0 config_args config_argc xxx yyy zzz uuu
?T:args_exp args_sep arg_exp
?F:!Configure
?F:/optdef.sh ./cmdline.opt ./posthint.sh ./cmdl.opt
: Save command line options in file UU/cmdline.opt for later use in
: generating config.sh.
?X: This temporary file will be read by Oldsym.U. I used a temporary
?X: file to preserve all sorts of potential command line quotes and
?X: also because we don't know in advance how many variables we'll
?X: need, so I can't actually declare them on the MAKE line.
?X: The config_args variable won't be quite correct if Configure is
?X: fed something like ./Configure -Dcc="gcc -B/usr/ccs/bin/"
?X: since the quotes are gone by the time we see them. You'd have to
?X: reconstruct the command line from the config_arg? lines, but since
?X: I don't imagine anyone actually having to do that, I'm not going
?X: to worry too much.
cat > cmdline.opt
<<EOSH
: Configure command line arguments.
config_arg0='$0'
config_args='$*'
config_argc=$#
EOSH
argn=1
args_exp="

```

```

args_sep="
for arg in "$@"; do
  cat >>cmdline.opt <<EOSH
  config_arg$argn='$arg'
EOSH
?X: Extreme backslashitis: replace each ' by """"
  cat <<EOC | sed -e "s/'/""""/g" > cmdl.opt
$arg
EOC
arg_exp=`cat cmdl.opt`
args_exp="$args_exp$args_sep'$arg_exp'"
argn=`expr $argn + 1`
args_sep=' '
done
?X: args_exp is good for restarting self: eval "set X $args_exp"; shift; $0 "$@"
?X: used by hints/os2.sh in Perl, for instance
rm -f cmdl.opt

```

: produce awk script to parse command line options

```

cat >options.awk <<'EOF'
BEGIN {
  optstr = "A:dD:eEf:hKOrsSU:V"; # getopt-style specification

  len = length(optstr);
  for (i = 1; i <= len; i++) {
    c = substr(optstr, i, 1);
?X: some older awk's do not have the C ?: construct
    if (i < len) a = substr(optstr, i + 1, 1); else a = "";
    if (a == ":") {
      arg[c] = 1;
      i++;
    }
    opt[c] = 1;
  }
}
{
  expect = 0;
  str = $0;
  if (substr(str,
  1, 1) != "-") {
    printf("%s\n", str);
    next;
  }
  len = length($0);
  for (i = 2; i <= len; i++) {
    c = substr(str, i, 1);
    if (!opt[c]) {
      printf("-%s\n", substr(str, i));

```

```

    next;
}
printf("-%s\n", c);
if (arg[c] {
    if (i < len)
        printf("%s\n", substr(str, i + 1));
    else
        expect = 1;
    next;
}
}
}
END {
    if (expect)
        print "?";
}
EOF

```

: process the command line options

```

?X: Use "$@" to keep arguments with spaces in them from being split apart.
?X: For the same reason, awk will output quoted arguments and the final eval
?X: removes them and sets a proper $* array. An 'X' is prepended to each
?X: argument before being fed to echo to guard against 'echo -x', where -x
?X: would be understood as an echo option! It is removed before feeding awk.
set X `for arg in "$@"; do echo "X$arg"; done |
sed -e s/X// | awk -f options.awk`
eval "set $*"
shift
rm -f options.awk

```

: set up default values

```

fastread=""
reuseval=false
config_sh=""
alldone=""
error=""
silent=""
extractsh=""
override=""
knowitall=""
rm
-f optdef.sh posthint.sh
cat >optdef.sh <<EOS
$startsh
EOS

```

?X:

?X: Given that we now have the possibility to execute Configure remotely

?X: thanks to the new src.U support, we have to face the possibility  
 ?X: of having to ask where the source lie, which means we need the Myread.U  
 ?X: stuff and possibly other things that might echo something on the  
 ?X: screen...  
 ?X:  
 ?X: That's not pretty, and might be confusing in 99% of the time. So...  
 ?X: We introduce a new realsilent variable which is set when -s is given,  
 ?X: and we force silent=true if -S is supplied. The Extractall.U unit  
 ?X: will then undo the >&4 redirection based on the value of the  
 ?X: realsilent variable... -- RAM, 18/93/96  
 ?X:

```
: option parsing
while test $# -gt 0; do
case "$1" in
-d) shift; fastread=yes;;
-e) shift; alldone=cont;;
-f)
  shift
  cd ..
  if test -r "$1"; then
    config_sh="$1"
  else
    echo "$me: cannot read config file $1." >&2
    error=true
  fi
  cd UU
  shift;;
-h)
  shift; error=true;;
-r) shift; reuseval=true;;
-s) shift; silent=true; realsilent=true;;
-E) shift; alldone=exit;;
-K) shift; knowitall=true;;
-O) shift; override=true;;
-S) shift; silent=true; extractsh=true;;
-D)
  shift
  case "$1" in
  *)
    echo "$me: use '-U symbol=', not '-D symbol='." >&2
    echo "$me: ignoring -D $1" >&2
    ;;
  *=*) echo "$1" | \
    sed -e "s/'\"/\"/g" -e "s/=(.*)/=\\1/'" >> optdef.sh;;
  *) echo "$1='define'" >> optdef.sh;;
  esac
  shift
```

```

;;
-U)
shift
case "$1" in
*) echo "$1" >> optdef.sh;;
*=:*)
echo "$me: use '-D symbol=val', not '-U symbol=val'." >&2
echo "$me: ignoring -U $1" >&2
;;
*) echo "$1='undef'" >> optdef.sh;;
esac
shift
;;
-A)
shift
xxx=""
yyy="$1"
zzz=""
uuu=undef
case "$yyy" in
*=:*) zzz=`echo "$yyy"|sed 's!=:.*!!'^
case "$zzz" in
*.:*) zzz="" ;;
*) xxx=append
zzz="" ``echo
"$yyy"|sed 's!^[^=]*=!!'^
yyy=`echo "$yyy"|sed 's!=:.*!!'^ ;;
esac
;;
esac
case "$xxx" in
") case "$yyy" in
*.:*) xxx=`echo "$yyy"|sed 's!:..*!!'^
yyy=`echo "$yyy"|sed 's!^[^:]*=!!'^
zzz=`echo "$yyy"|sed 's!^[^=]*=!!'^
yyy=`echo "$yyy"|sed 's!=:.*!!'^ ;;
*) xxx=`echo "$yyy"|sed 's!:..*!!'^
yyy=`echo "$yyy"|sed 's!^[^:]*=!!'^ ;;
esac
;;
esac
case "$xxx" in
append)
echo "$yyy=${$yyy}$zzz\" >> posthint.sh ;;
clear)
echo "$yyy="" >> posthint.sh ;;
define)
case "$zzz" in

```

```

") zzz=define ;;
esac
echo "$yyy=$zzz" >> posthint.sh ;;
    eval)
echo "eval \"$yyy=$zzz\" >> posthint.sh ;;
    prepend)
echo "$yyy=\"$zzz\${$yyy}\" >> posthint.sh ;;
    undef)
        case "$zzz" in
")
zzz="$uuu" ;;
esac
echo "$yyy=$zzz" >> posthint.sh ;;
    *) echo "$me: unknown -A command '$xxx', ignoring -A $1" >&2 ;;
    esac
    shift
    ;;
-V) echo "$me generated by metaconfig <VERSION> PL<PATCHLEVEL>." >&2
    exit 0;;
--) break;;
-*) echo "$me: unknown option $1" >&2; shift; error=true;;
*) break;;
esac
done

```

```

case "$error" in
true)

```

```

cat >&2 <<EOM

```

```

Usage: $me [-dehrsEKOSV] [-f config.sh] [-D symbol] [-D symbol=value]

```

```

        [-U symbol] [-U symbol=] [-A command:symbol...]

```

```

-d : use defaults for all answers.

```

```

-e : go on without questioning past the production of config.sh.

```

```

-f : specify an alternate default configuration file.

```

```

-h : print this help message and exit (with an error status).

```

```

-r : reuse C symbols value if possible (skips costly nm extraction).

```

```

-s : silent mode, only echoes questions and essential information.

```

```

-D : define symbol to have some value:

```

```

    -D symbol      symbol gets the value 'define'

```

```

    -D symbol=value

```

```

    symbol gets the value 'value'

```

```

-E : stop at the end of questions, after having produced config.sh.

```

```

-K : do not use unless you know what you are doing.

```

```

-O : let -D and -U override definitions from loaded configuration file.

```

```

-S : perform variable substitutions on all .SH files (can mix with -f)

```

```

-U : undefine symbol:

```

```

    -U symbol      symbol gets the value 'undef'

```

```

    -U symbol=      symbol gets completely empty

```

```

-A : manipulate symbol after the platform specific hints have been applied:

```

```

-A symbol=value append " "value to symbol
-A append:symbol=value append value to symbol
-A define:symbol=value define symbol to have value
  -A clear:symbol define symbol to be "
-A define:symbol define symbol to be 'define'
-A eval:symbol=value define symbol to be eval of value
-A prepend:symbol=value prepend value to symbol
-A undef:symbol define symbol to be 'undef'
-A undef:symbol= define symbol to be "
-V : print version number and exit (with
a zero status).

```

EOM

```
exit 1
```

```
::
```

```
esac
```

?X:

?X: Unless they specified either -S or both -d and -e/E, make sure we're

?X: running interactively, i.e. attached to a terminal. Moved from Head.U to

?X: be able to handle batch configurations...

?X:

?X: We have to hardwire the Configure name and cannot use \$me, since if they

?X: said 'sh <Configure', then \$me is 'sh'...

?X:

```
: Sanity checks
```

```
case "$fastread$alldone" in
```

```
yescont|yesexit) ;;
```

```
*)
```

```
case "$extractsh" in
```

```
true) ;;
```

```
*)
```

```
if test ! -t 0; then
```

```
echo "Say 'sh Configure', not 'sh <Configure'"
```

```
exit 1
```

```
fi
```

```
::
```

```
esac
```

```
::
```

```
esac
```

?X: In silent mode, the standard output is closed. Questions are asked by

?X: outputting on file descriptor #4, which is the original stdout descriptor.

?X: This filters out all the "junk", since all the needed information is written

?X: on #4. Note that ksh will not let us redirect output if the file descriptor

?X: has not be defined yet, unlike sh, hence the following line...--RAM.

```
exec 4>&1
```

```
case "$silent" in
```

```
true)
```



```
exec 1>/dev/null;;
esac
```

: run the defines and the undefines, if any, but leave the file out there...

```
touch optdef.sh
```

```
./optdef.sh
```

: create the posthint manipulation script and leave the file out there...

?X: this file will be perused by Oldconfig.U

```
touch posthint.sh
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Options.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_setsid.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_setsid.U,v \$

?RCS: Revision 3.0.1.1 1994/01/24 14:06:49 ram

?RCS: patch16: created

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:56 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_setsid: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_setsid:

?S: This variable conditionally defines HAS\_SETSID if setsid() is

?S: available to set the process group ID.

?S:.

?C:HAS\_SETSID:

?C: This symbol, if defined, indicates that the setsid routine is

?C: available

to set the process group ID.

?C:.

?H:#\$d\_setsid HAS\_SETSID /\*\*/

?H:.

?LINT:set d\_setsid

: see if setsid exists

```
set setsid d_setsid
```

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setsid.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_endnetent\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_endnetent\_r endnetent\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_endnetent\_r:

?S: This variable conditionally defines the HAS\_ENDNETENT\_R symbol,

?S: which indicates to the C program that the endnetent\_r()

?S: routine is available.

?S:.

?S:endnetent\_r\_proto:

?S: This variable encodes the prototype of endnetent\_r.

?S: It is zero if d\_endnetent\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_endnetent\_r

?S: is defined.

?S:.

?C:HAS\_ENDNETENT\_R:

?C: This symbol, if defined, indicates that the endnetent\_r routine

?C: is

available to endnetent re-entrantly.

?C:.

?C:ENDNETENT\_R\_PROTO:

?C: This symbol encodes the prototype of endnetent\_r.

?C: It is zero if d\_endnetent\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_endnetent\_r

?C: is defined.

?C:.

?H:#\$d\_endnetent\_r HAS\_ENDNETENT\_R /\*\*/

?H:#define ENDNETENT\_R\_PROTO \$endnetent\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_endnetent\_r\_proto

: see if endnetent\_r exists

set endnetent\_r d\_endnetent\_r

eval \$inlibc

case "\$d\_endnetent\_r" in

```

"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_netdb netdb.h"
case "$d_endnetent_r_proto:$usethreads" in
":define") d_endnetent_r_proto=define
set d_endnetent_r_proto endnetent_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_endnetent_r_proto" in
define)
case "$endnetent_r_proto" in
"|0) try='int endnetent_r(struct netent_data*);'
./protochk "$extern_C $try" $hdrs && endnetent_r_proto=I_D ;;
esac
case "$endnetent_r_proto" in
"|0) try='void endnetent_r(struct netent_data*);'
./protochk
"$extern_C $try" $hdrs && endnetent_r_proto=V_D ;;
esac
case "$endnetent_r_proto" in
"|0) d_endnetent_r=undef
endnetent_r_proto=0
echo "Disabling endnetent_r, cannot determine prototype." >&4 ;;
* ) case "$endnetent_r_proto" in
REENTRANT_PROTO*) ;;
*) endnetent_r_proto="REENTRANT_PROTO_$endnetent_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "endnetent_r has no prototype, not using it." >&4 ;;
esac
d_endnetent_r=undef
endnetent_r_proto=0
;;
esac
;;
*) endnetent_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_endnetent_r.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_memmove.U 1 2006-08-24 12:32:52Z rmanfredi \$

```

?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_memmove.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:35 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_memmove: Inlibc
?MAKE: -pick add $@ %<
?S:d_memmove:
?S: This variable conditionally defines the HAS_MEMMOVE symbol, which
?S: indicates to the C program that the memmove() routine is available
?S: to copy potentially overlapping blocks of memory.
?S:.
?C:HAS_MEMMOVE:
?C: This symbol, if defined, indicates that the memmove routine
is available
?C: to copy potentially overlapping blocks of memory. This should be used
?C: only when HAS_SAFE_BCOPY is not defined. If neither is there, roll your
?C: own version.
?C:.
?H:#$d_memmove HAS_MEMMOVE /**/
?H:.
?LINT:set d_memmove
: see if memmove exists
set memmove d_memmove
eval $inlibc

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_memmove.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_getgrent_r.U,v 0RCS:
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.
?RCS:
?MAKE:d_getgrent_r_getgrent_r_proto: Inlibc Protochk Hasproto i_systypes \

```

```

usethreads i_grp extern_C
?MAKE: -pick add $@ %<
?S:d_getgrent_r:
?S: This variable conditionally defines the HAS_GETGRENT_R symbol,
?S: which indicates to the C program that the getgrent_r()
?S: routine is available.
?S:.
?S:getgrent_r_proto:
?S: This variable encodes the prototype of getgrent_r.
?S: It is zero if d_getgrent_r is undef, and one of the
?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_getgrent_r
?S: is defined.
?S:.
?C:HAS_GETGRENT_R:
?C: This symbol, if defined, indicates that the getgrent_r routine
?C: is available to
getgrent re-entrantly.
?C:.
?C:GETGRENT_R_PROTO:
?C: This symbol encodes the prototype of getgrent_r.
?C: It is zero if d_getgrent_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_getgrent_r
?C: is defined.
?C:.
?H:#$d_getgrent_r HAS_GETGRENT_R /**/
?H:#define GETGRENT_R_PROTO $getgrent_r_proto /**/
?H:.
?T:try hdrs d_getgrent_r_proto
: see if getgrent_r exists
set getgrent_r d_getgrent_r
eval $inlibc
case "$d_getgrent_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_grp grp.h"
case "$d_getgrent_r_proto:$usethreads" in
":define") d_getgrent_r_proto=define
set d_getgrent_r_proto getgrent_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_getgrent_r_proto" in
define)
case "$getgrent_r_proto" in
"|0) try='int getgrent_r(struct group*, char*, size_t, struct group**);'
./protochk "$extern_C $try" $hdrs && getgrent_r_proto=I_SBWR ;;
esac
case "$getgrent_r_proto" in
"|0) try='int getgrent_r(struct group*, char*, int, struct group**);'

```

```

./protochk
"$extern_C $try" $hdrs && getgrent_r_proto=I_SBIR ;;
esac
case "$getgrent_r_proto" in
"|0) try='struct group* getgrent_r(struct group*, char*, size_t);'
./protochk "$extern_C $try" $hdrs && getgrent_r_proto=S_SBW ;;
esac
case "$getgrent_r_proto" in
"|0) try='struct group* getgrent_r(struct group*, char*, int);'
./protochk "$extern_C $try" $hdrs && getgrent_r_proto=S_SBI ;;
esac
case "$getgrent_r_proto" in
"|0) try='int getgrent_r(struct group*, char*, int);'
./protochk "$extern_C $try" $hdrs && getgrent_r_proto=I_SBI ;;
esac
case "$getgrent_r_proto" in
"|0) try='int getgrent_r(struct group*, char*, int, FILE**);'
./protochk "$extern_C $try" $hdrs && getgrent_r_proto=I_SBIH ;;
esac
case "$getgrent_r_proto" in
"|0) d_getgrent_r=undef
getgrent_r_proto=0
echo "Disabling getgrent_r, cannot determine prototype." >&4 ;;
*) case "$getgrent_r_proto" in
REENTRANT_PROTO*) ;;
*) getgrent_r_proto="REENTRANT_PROTO_$getgrent_r_proto" ;;
esac
echo "Prototype:
$try" ;;
esac
;;
*) case "$susethreads" in
define) echo "getgrent_r has no prototype, not using it." >&4 ;;
esac
d_getgrent_r=undef
getgrent_r_proto=0
;;
esac
;;
*) getgrent_r_proto=0
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_getgrent\_r.U

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: i_limits.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_limits.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:20 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:i_limits: Inhdr
?MAKE: -pick add $@ %<
?S:i_limits:
?S: This variable conditionally defines the I_LIMITS symbol, and indicates
?S: whether a C program may include <limits.h> to get symbols like WORD_BIT
?S: and friends.
?S:
?C:I_LIMITS:
?C: This symbol, if defined, indicates to the C program that it should
?C: include <limits.h> to
?C: get definition of symbols like WORD_BIT or
?C: LONG_MAX, i.e. machine dependant limitations.
?C:
?H:#$i_limits I_LIMITS /**/
?H:
?LINT:set i_limits
: see if this is a limits.h system
set limits.h i_limits
eval $inhdr

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_limits.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: sh.U,v 3.0.1.1 1997/02/28 16:20:13 ram Exp $
?RCS:
?RCS: Copyright (c) 1997, Chip Salzenberg
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root

```

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: sh.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 16:20:13 ram

?RCS: patch61: created

?RCS:

?MAKE:sh targetsh: Head

?MAKE: -pick wipe \$@ %<

?S:sh:

?S: This variable contains the full pathname of the shell used

?S: on this system to execute Bourne shell scripts. Usually, this will be

?S: /bin/sh, though it's possible that some systems will have /bin/ksh,

?S: /bin/pdksh, /bin/ash, /bin/bash, or even something such as

?S: D:/bin/sh.exe.

?S: This

unit comes before Options.U, so you can't set sh with a -D

?S: option, though you can override this (and startsh)

?S: with -O -Dsh=/bin/whatever -Dstartsh=whatever

?S:.

?S:targetsh:

?S: If cross-compiling, this variable contains the location of sh on the

?S: target system.

?S: If not, this will be the same as \$sh.

?S:.

?C:SH\_PATH:

?C: This symbol contains the full pathname to the shell used on this

?C: on this system to execute Bourne shell scripts. Usually, this will be

?C: /bin/sh, though it's possible that some systems will have /bin/ksh,

?C: /bin/pdksh, /bin/ash, /bin/bash, or even something such as

?C: D:/bin/sh.exe.

?C:.

?H:#define SH\_PATH "\$targetsh" /\*\*/

?H:.

?T:xxx try pth p SYSTYPE

?LINT:extern maintloc maintname \_exe

?X:

?X: Be quiet unless something unusual happens because this gets

?X: loaded up even before options are processed.

?X: Can't use ./loc because that depends on startsh, which, in turn

?X: depends on this unit.

?X:

: Find the basic shell for

Bourne shell scripts

case "\$sh" in

)

?X: SYSTYPE is for some older MIPS systems.

?X: I do not know if it is still needed.

case "\$SYSTYPE" in



```

*bsd*|sys5*) xxx="/$SYSTYPE/bin/sh";;
*) xxx='/bin/sh';;
esac
if test -f "$xxx"; then
  sh="$xxx"
else
  : Build up a list and do a single loop so we can 'break' out.
  pth=`echo $PATH | sed -e "s/$p_/ /g"`
  for xxx in sh bash ksh pdksh ash; do
    for p in $pth; do
      try="$try ${p}/${xxx}"
    done
  done
  for xxx in $try; do
    if test -f "$xxx"; then
      sh="$xxx";
      break
    elif test "X$_exe" != X -a -f "$xxx$_exe"; then
      sh="$xxx";
      break
    elif test -f "$xxx.exe"; then
      sh="$xxx";
      break
    fi
  done
fi
;;
esac

```

?X: fd 4 isn't open yet...

```

case "$sh" in
") cat >&2 <<EOM

```

\$me: Fatal Error: I can't find a Bourne Shell anywhere.

Usually it's in /bin/sh. How did you even get this far?

Please contact me (<\$maintname>) at <\$maintloc> and

we'll try to straighten this all out.

EOM

```

exit 1

```

```

;;

```

```

esac

```

: When cross-compiling

we need to separate the sh-to-run-Configure-with from the sh-to-use-in-Perl

: default both to the same thing, cross-compilers can then set targetsh differently if they like

```

targetsh=$sh

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/sh.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: Extractall.U,v $
```

```
?RCS: Revision 3.0.1.1 1997/02/28 15:00:43 ram
```

```
?RCS: patch61: created
```

```
?RCS:
```

```
?X:
```

```
?X: If extraction has been requested, load the configuration file, perform
```

```
?X: the extraction and exit.
```

```
?X:
```

```
?X: This unit was originally a part of Options.U. It had to be removed from
```

```
?X: it to prevent a dependency cycle: Extract -> src -> Options -> Extract
```

```
?X: The Begin.U unit now requires us before beginning to do anything
```

```
?X: interesting, to ensure proper semantics. -- RAM, 15/03/96
```

```
?X:
```

```
?MAKE:Extractall:
```

```
Extract Options
```

```
?MAKE: -pick wipe $@ %<
```

```
: extract files and exit if asked to do so
```

```
case "$extractsh" in
```

```
true)
```

```
?X: Undo the forced silent=true when -S was supplied, by probing realsilent
```

```
?X: which was set iff -s was also given. See Options.U for details.
```

```
case "$realsilent" in
```

```
true) ;;
```

```
*) exec 1>&4;;
```

```
esac
```

```
case "$config_sh" in
```

```
") config_sh='config.sh';;
```

```
esac
```

```
echo " "
```

```
echo "Fetching answers from $config_sh..."
```

```
cd ..
```

```
. $config_sh
```

```
test "$override" && . ./optdef.sh
```

```
echo " "
```

?X: extract has to be run from the top directory, not within UU.

```
. UU/extract
rm -rf UU
echo "Extraction done."
exit 0
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Extractall.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_pread.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_pread.U,v \$

?RCS:

?MAKE:d\_pread: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_pread:

?S: This variable conditionally defines the HAS\_PREAD symbol, which

?S: indicates to the C program that the pread() routine is available.

?S:.

?C:HAS\_PREAD :

?C: This symbol, if defined, indicates that the pread routine is

?C: available to perform reads on a file descriptor at a given offset.

?C:.

?H:#\$d\_pread HAS\_PREAD /\*\*/

?H:.

?LINT:set d\_pread

: see if pread exists

set

pread d\_pread

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_pread.U
```

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_ilogb: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_ilogb:

?S: This variable conditionally defines the HAS\_ILOGB symbol, which

?S: indicates to the C program that the ilogb() routine is available

?S: for extracting the exponent of double x as a signed integer.

?S:.

?C:HAS\_ILOGB:

?C: This symbol, if defined, indicates that the ilogb routine is

?C: available to get integer exponent of a floating-point value.

?C:.

?H:#\$d\_ilogb HAS\_ILOGB /\*\*/

?H:.

?LINT:set d\_ilogb

: see if ilogb exists

set ilogb d\_ilogb

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_ilogb.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_cbrt.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_cbrt.U,v \$

?RCS: Revision 3.0 1993/08/18 12:05:48 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_cbrt: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_cbrt:

?S: This variable conditionally defines the HAS\_CBRT symbol, which

?S: indicates to the C program that the cbrt() (cube root) function

?S: is available.

?S:.

?C:HAS\_CBRT (CBRT):

?C: This symbol, if defined, indicates that the cbrt() (cube root)

?C: function is available.

?C:.

?H:#\$d\_cbrt HAS\_CBRT /\*\*/

?H:.

?LINT:set

d\_cbrt

: see if cbrt exists

set cbrt d\_cbrt

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_cbrt.U

No license file was found, but licenses were detected in source scan.

/\*

\* \$Id: getopt.C,v 3.0.1.1 1994/01/24 13:58:40 ram Exp ram \$

\*

\* Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

\*

\* You may redistribute only under the terms of the Artistic Licence,

\* as specified in the README file that comes with the distribution.

\* You may reuse parts of this distribution only within the terms of

\* that same Artistic Licence; a copy of which may be found at the root

\* of the source tree for dist 4.0.

\*

\* Original Author: unknown, got this off net.sources

\*

\* \$Log: getopt.C,v \$

\* Revision 3.0.1.1 1994/01/24 13:58:40 ram

\* patch16: created

\*

\*/

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/C/fake/getopt.C

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_dlopen.U,v 3.0.1.2 1995/07/25 13:52:56 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

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```

?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_dlopen.U,v $
?RCS: Revision 3.0.1.2 1995/07/25 13:52:56 ram
?RCS: patch56: force compile-link test since symbol might lie in crt0.o (ADO)
?RCS:
?RCS: Revision 3.0.1.1 1994/08/29 16:07:34 ram
?RCS: patch32: created by ADO
?RCS:
?MAKE:d_dlopen: Inlibc runnm d_cplusplus ccflags gccversion
?MAKE: -pick add $@ %<
?S:d_dlopen:
?S: This variable conditionally defines the HAS_DLOPEN
symbol, which
?S: indicates to the C program that the dlopen() routine is available.
?S:.
?C:HAS_DLOPEN :
?C: This symbol, if defined, indicates that the dlopen routine is
?C: available.
?C:.
?H:#$d_dlopen HAS_DLOPEN /**/
?H:.
?T: xxx_runnm
?T: xxx_ccflags
?LINT:set d_dlopen
?X: We don't permanently change runnm and ccflags, but we do temporarily.
?LINT: change runnm
?LINT: change ccflags
: see if dlopen exists
?X: On NetBSD and FreeBSD, dlopen is available, but it is in
?X: /usr/lib/crt0.o, not in any of the libraries. Therefore, do not
?X: use the nm extraction, but use a real compile and link test instead.
xxx_runnm="$runnm"
xxx_ccflags="$ccflags"
runnm=false
: with g++ one needs -shared to get is-in-libc to work for dlopen
case "$gccversion" in
") ;;
*Clang*) ;;
*) case "$d_cplusplus" in
"$define") ccflags="$ccflags -shared" ;;
esac
;;
esac
set dlopen d_dlopen
eval $inlibc

```

```
runnm="$xxx_runnm"  
ccflags="$xxx_ccflags"
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_dlopen.U
```

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?RCS:

?MAKE:d\_round: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_round:

?S: This variable conditionally defines the HAS\_ROUND symbol, which

?S: indicates to the C program that the round() routine is available.

?S:.

?C:HAS\_ROUND:

?C: This symbol, if defined, indicates that the round routine is

?C: available to round to nearest integer, away from zero.

?C:.

?H:#\$d\_round HAS\_ROUND /\*\*/

?H:.

?LINT:set d\_round

: see if round exists

set round d\_round

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_round.U
```

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?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: sizetype.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:32:10 ram

?RCS: patch32: created by ADO

```

?RCS:
?MAKE:sizetype: Myread Typedef
?MAKE: -pick add $@ %<
?S:sizetype:
?S: This variable defines sizetype to be something like size_t,
?S: unsigned long, or whatever type is used to declare length
?S: parameters for string functions.
?S:.
?C:Size_t:
?C: This symbol holds the type used to declare length parameters
?C: for string
functions. It is usually size_t, but may be
?C: unsigned long, int, etc. It may be necessary to include
?C: <sys/types.h> to get any typedef'ed information.
?C:.
?H:#define Size_t $sizetype /* length paramater for string functions */
?H:.
: see what type is used for size_t
set size_t sizetype 'unsigned int' stdio.h sys/types.h
eval $typedef
dflt="$sizetype"
echo " "
rp="What type is used for the length parameter for string functions?"
. ./myread
sizetype="$ans"

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/sizetype.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id$

```

```

?RCS:

```

```

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

```

```

?RCS:

```

```

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```

```

?RCS: of the source tree for dist 3.0.

```

```

?RCS:

```

```

?MAKE:d_getprpwnam: Inlibc

```

```

?MAKE: -pick add $@ %<

```

```

?S:d_getprpwnam:

```

```

?S: This variable conditionally defines HAS_GETPRPWNAM if getprpwnam() is

```

```

?S: available to retrieve protected (shadow) password entries by name.

```

```

?S:.

```

```

?C:HAS_GETPRPWNAM:

```



?C: This symbol, if defined, indicates that the getprpwnam system call is

?C: available to retrieve protected (shadow) password entries by name.

?C:.

?H:#\$d\_getprpwnam HAS\_GETPRPWNAM /\*\*/

?H:.

?LINT:set d\_getprpwnam

: see if getprpwnam exists

set getprpwnam d\_getprpwnam

eval \$inlibc

Found

in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_getprpwnam.U

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?RCS:

?MAKE:usequadmath: Setvar cat uselongdouble

?MAKE: -pick add @\$@ %<

?S:usequadmath:

?S: This variable conditionally defines the USE\_QUADMATH symbol,

?S: and indicates that the quadmath library \_\_float128 long doubles

?S: should be used when available.

?S:.

?C:USE\_QUADMATH:

?C: This symbol, if defined, indicates that the quadmath library should

?C: be used when available.

?C:.

?H:??<:#ifndef USE\_QUADMATH

?H:??<:#\$usequadmath USE\_QUADMATH /\*\*/

?H:??<:#endif

?H:.

: Check if quadmath is requested

case "\$usequadmath" in

"\$define"|true|[yY]\*) usequadmath="\$define" ;;

\*) usequadmath="\$undef" ;;

esac

: Fail if both uselongdouble and usequadmath are requested

case "\$usequadmath:\$uselongdouble" in

define:define)

\$cat <<EOM >&4

\*\*\* You requested the use of

the quadmath library and use

\*\*\* of long doubles.

\*\*\*

\*\*\* Please select one or the other.

EOM

exit 1

::

esac

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/usequadmath.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_sfio.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS:

?RCS: \$Log: i\_sfio.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:48:27 ram

?RCS: patch61: created

?RCS:

?MAKE:i\_sfio: Inhdr Setvar

?MAKE: -pick add \$@ %<

?S:i\_sfio:

?S: This variable conditionally defines the I\_SFIO symbol,

?S: and indicates whether a C program should include <sfio.h>.

?S:.

?C:I\_SFIO:

?C: This symbol, if defined, indicates to the C program that it should

?C: include <sfio.h>.

?C:.

?H:#\$i\_sfio I\_SFIO /\*\*/

?H:.

?LINT:set

i\_sfio

: see if sfio.h is available

set sfio.h i\_sfio

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_sfio.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_setpwent_r.U,v ORCS:
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?RCS:
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.
?RCS:
?MAKE:d_setpwent_r setpwent_r_proto: Inlibc Protochk Hasproto i_systypes \
  usethreads i_pwd extern_C
?MAKE: -pick add $@ %<
?S:d_setpwent_r:
?S: This variable conditionally defines the HAS_SETPWENT_R symbol,
?S: which indicates to the C program that the setpwent_r()
?S: routine is available.
?S:.
?S:setpwent_r_proto:
?S: This variable encodes the prototype of setpwent_r.
?S: It is zero if d_setpwent_r is undef, and one of the
?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_setpwent_r
?S: is defined.
?S:.
?C:HAS_SETPWENT_R:
?C: This symbol, if defined, indicates that the setpwent_r routine
?C: is available to
  setpwent re-entrantly.
?C:.
?C:SETPWENT_R_PROTO:
?C: This symbol encodes the prototype of setpwent_r.
?C: It is zero if d_setpwent_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_setpwent_r
?C: is defined.
?C:.
?H:#$d_setpwent_r HAS_SETPWENT_R /**/
?H:#define SETPWENT_R_PROTO $setpwent_r_proto /**/
?H:.
?T:try hdrs d_setpwent_r_proto
: see if setpwent_r exists
set setpwent_r d_setpwent_r
eval $inlibc
case "$d_setpwent_r" in
"$define")
  hdrs="$i_systypes sys/types.h define stdio.h $i_pwd pwd.h"
  case "$d_setpwent_r_proto:$usethreads" in
  ":define") d_setpwent_r_proto=define
  set d_setpwent_r_proto setpwent_r $hdrs
```

```

eval $hasproto ;;
*) ;;
esac
case "$d_setpwent_r_proto" in
define)
case "$setpwent_r_proto" in
"|0) try='int setpwent_r(FILE**);'
./protochk "$extern_C $try" $hdrs && setpwent_r_proto=I_H ;;
esac
case "$setpwent_r_proto" in
"|0) try='void setpwent_r(FILE**);'
./protochk "$extern_C $try" $hdrs && setpwent_r_proto=V_H ;;
esac
case "$setpwent_r_proto"
in
"|0) d_setpwent_r=undef
setpwent_r_proto=0
echo "Disabling setpwent_r, cannot determine prototype." >&4 ;;
* ) case "$setpwent_r_proto" in
REENTRANT_PROTO*) ;;
*) setpwent_r_proto="REENTRANT_PROTO_$setpwent_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$susethreads" in
define) echo "setpwent_r has no prototype, not using it." >&4 ;;
esac
d_setpwent_r=undef
setpwent_r_proto=0
;;
esac
;;
*) setpwent_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_setpwent_r.U
```

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?RCS:

?MAKE:d\_lrintl: Inlibc

?MAKE:-pick add \$@ %<

?S:d\_lrintl:

?S: This variable conditionally defines the HAS\_LRINTL symbol, which  
?S: indicates to the C program that the lrintl() routine is available  
?S: to return the integral value closest to a long double (according  
?S: to the current rounding mode).

?S:.

?C:HAS\_LRINTL:

?C: This symbol, if defined, indicates that the lrintl routine is

?C: available to return the integral value closest to a long double

?C: (according to the current rounding mode).

?C:.

?H:#\$d\_lrintl HAS\_LRINTL /\*\*/

?H:.

?LINT:set d\_lrintl

: see if lrintl exists

set lrintl d\_lrintl

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_lrintl.U

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?RCS: \$Id: Myread.U 1 2006-08-24 12:32:52Z rmanfredi \$

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?RCS:

?RCS: \$Log: Myread.U,v \$

?RCS: Revision 3.0.1.6 1997/02/28 15:05:39 ram

?RCS: patch61: myread script now starts with a "startsh"

?RCS: patch61: miscellaneous fixes

?RCS:

?RCS: Revision 3.0.1.5 1995/01/11 15:14:22 ram

?RCS: patch45: added & escape allowing user to turn on -d from the prompt

?RCS:

?RCS: Revision 3.0.1.4 1994/10/31 09:48:04 ram

?RCS: patch44: added Options to the MAKE line since it's no longer in Init.U

?RCS:

?RCS: Revision 3.0.1.3 1994/10/29

15:56:20 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS:

?RCS: Revision 3.0.1.2 1993/08/30 08:57:59 ram

?RCS: patch8: added new visible 'nostick' symbol, mainly for Finish.U

?RCS:

?RCS: Revision 3.0.1.1 1993/08/27 14:39:20 ram

?RCS: patch7: now sticks to the question when no default and empty answer

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:08 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit produces a bit of shell code that must be dotted in in order

?X: to do a read. It allows for shell escapes, default assignment and

?X: parameter evaluation.

?X:

?X: To use this unit, \$rp and \$dflt must hold the question and the

?X: default answer. The question will be printed by the script itself.

?X: Neither \$rp nor \$dflt is altered by the script.

?X:

?X: The myread script will stick to the question if no default is proposed

?X: and the user answer is empty, which prevents mistakes. However, at the

?X: end of Configure, there is an exception

to this rule (Finish.U) where we

?X: set nostick to a non-empty value to allow the Return key to play its role!

?X:

?MAKE:Myread: Options startsh n c trnl

?MAKE: -pick add \$@ %<

?V:ans:dflt rp nostick

?F:./myread

?T:COLUMNS xxxm rp dflt answ aok myecho

?LINT:change fastread

?X: Some shells (Ultrix) do not understand \${COLUMNS:-80}, sigh!

: compute the number of columns on the terminal for proper question formatting

case "\$COLUMNS" in

) COLUMNS='80';;

esac

: set up the echo used in my read

?X:

?X: This variable is intended to be eval'ed. It will echo the two

?X: variables \$rp and \$dflt (provided this latter has a non null value).

?X: It is mainly used by the myread script to echo the questions.

?X:

?X: The \$n and \$c below are substituted before Loc does its silly echo check

?X: so don't put a \$ on the echo below so we get builtin, even if \$echo is

?X: pointing to /bin/echo.

?X:

myecho="case \"\\$xxxm\" in

) echo \$n \"\\$rp \$c\" >&4;;

\*) case \"\\$rp\" in

```

") echo $n \"[\$xxxm] $c\";;
*)
if
test \`echo \"\${$rp} [\${xxxm}] \" | wc -c\` -ge $COLUMNS; then
    echo \"\${$rp}\" >&4
    echo $n \"[\$xxxm] $c\" >&4
else
    echo $n \"\${$rp} [\${xxxm}] $c\" >&4
fi
;;
esac;;
esac"

```

: now set up to do reads with possible shell escape and default assignment

```
cat <<EOSC >myread
```

```
$startsh
```

```
?X:
```

```
?X: Save value of default -- do not alter original in case of eval
```

```
?X:
```

```
xxxm=\$dflt
```

```
$myecho
```

```
?X:
```

```
?X: If there is no default, then stop, regardless of the value in fastread.
```

```
?X: In silent mode, no new-line is to be echoed if the question is empty,
```

```
?X: since this is used to wait for the "return" key.
```

```
?X:
```

```
ans='!
```

```
case \"\$fastread\" in
```

```
yes) case \"\$dflt\" in
```

```
) ;;
```

```
*) ans=";
```

```
case \"\$silent-\${$rp}\" in
```

```
true-) ;;
```

```
*) echo " " >&4;;
```

```
esac;;
```

```
esac;;
```

```
*) case \"\$silent\" in
```

```
true) case \"\${$rp}\" in
```

```
) ans=";;
```

```
esac;;
```

```
esac;;
```

```
esac
```

```
while expr "X\$ans" : "X!" >/dev/null; do
```

```
read answ
```

```
?X:
```

```
?X: Run 'eval' on the answer, in order to do variable substitution, in case
```

```
?X: the user types $HOME or $WHATEVER.
```

Variables must be evaluated now.

?X: Typing '\$HOME' won't currently prevent from substitution -- use '\$HOME'

?X: The \$1 .. \$9 and \$\*, as well as \$@, are available to refer to the

?X: default value.

?X:

```
set x $xxxm
```

```
shift
```

```
aok="; eval "ans=\\\"$answ\\\" && aok=y
```

```
case \"$answ\" in
```

?X:

?X: Use "!" and not a plain ! because of a bug in BSD 4.4 shell

?X: (reported by Wayne Davison)

?X: We must handle the shell escapes before dealing with possible variable

?X: substitution, since the shell we're launching in that case will be able

?X: to do it as well as we can -- RAM, 15/03/96

?X

```
"!")
```

```
sh 1>&4
```

```
echo " "
```

```
$myecho
```

```
::
```

```
!*)
```

```
set x `expr "X$ans" : "X!(.*)\$" `
```

```
shift
```

```
sh 1>&4 -c \"$*"
```

```
echo " "
```

```
$myecho
```

```
::
```

```
\"$ans")
```

```
case \"$ans\" in
```

?X:

?X: Answers starting with & are hooks allowing to dynamically turn on/off

?X: some Configure options. That's for the future. -- RAM, 09/01/95

?X: Today, we only recognize '& -d' to mean 'go on as if Configure -d, which

?X: is a hardwired

behaviour compatible with our general scheme.

?X:

```
\\&*)
```

```
set x `expr "X$ans" : "X&(.*?)\$" `
```

```
shift
```

```
case \"$1\" in
```

```
-d)
```

```
fastread=yes
```

```
echo "(OK, I'll run with -d after this question.)" >&4
```

```
::
```

```
-*)
```

```
echo "*** Sorry, $1 not supported yet." >&4
```

```
::
```



```

esac
$myecho
ans=!
;;
esac;;
*)
case "$aok" in
y)
echo "*** Substitution done -- please confirm."
xxxm="$ans"
ans=`echo $n "$ans$c" | tr 'trnl' '\`
xxxm="$ans"
ans=!
;;
*)
echo "*** Error -- try again."
ans=!
;;
esac
$myecho
;;
esac
?X: Stick in myread if no default answer and nothing was answered
case "$ans$xxxm$nostick" in
")
ans=!
$myecho
;;
esac
done
case "$ans" in
") ans="$xxxm";;
esac
EOSC

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Myread.U
```

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```

?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_sem.U,v $
?RCS: Revision 3.0 1993/08/18 12:07:03 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_sem: test d_semctl d_semget d_semop Setvar Findhdr osname
?MAKE: -pick add $@ %<
?S:d_sem:
?S: This variable conditionally defines the HAS_SEM symbol, which
?S: indicates that the entire sem*(2) library is present.
?S:.
?C:HAS_SEM:
?C: This symbol, if defined, indicates that the entire sem*(2) library is
?C: supported.
?C:.
?H:#$d_sem HAS_SEM /**/
?H:.
?T:h_sem
?LINT:set d_sem
:
    see how much of the 'sem*(2)' library is present.
h_sem=true
echo " "
case "$d_semctl$d_semget$d_semop" in
*"$undef"*) h_sem=false;;
esac
case "$osname" in
freebsd)
    case "`ipcs 2>&1`" in
        "SVID messages"*"not configured"*)
            echo "Your $osname does not have the sem*(2) configured." >&4
            h_sem=false
            val="$undef"
            set semctl d_semctl
            eval $setvar
            set semget d_semget
            eval $setvar
            set semop d_semop
            eval $setvar
            ;;
        esac
        ;;
    esac
: we could also check for sys/ipc.h ...
if $h_sem && $test `./findhdr sys/sem.h`; then
echo "You have the full sem*(2) library." >&4
val="$define"

```

```
else
echo "You don't have the full sem*(2) library." >&4
val="$undef"
fi
set d_sem
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_sem.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_sysuio.U,v $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:i_sysuio: Inhdr
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_sysuio:
```

```
?S: This variable conditionally defines the I_SYSUIO symbol, and indicates
```

```
?S: whether a C program should include <sys/uio.h>.
```

```
?S:.
```

```
?C:I_SYSUIO:
```

```
?C: This symbol, if defined, indicates that <sys/uio.h> exists and
```

```
?C: should be included.
```

```
?C:.
```

```
?H:#$i_sysuio I_SYSUIO /**/
```

```
?H:.
```

```
?LINT:set i_sysuio
```

```
: see if this is a sys/uio.h system
```

```
set sys/uio.h i_sysuio
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/i_sysuio.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_endgrent_r.U,v 0RCS:
```

```
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.
```

```

?RCS:
?MAKE:d_endgrent_r endgrent_r_proto: Inlibc Protochk Hasproto i_systypes \
  usethreads i_grp extern_C
?MAKE: -pick add $@ %<
?S:d_endgrent_r:
?S: This variable conditionally defines the HAS_ENDGRENT_R symbol,
?S: which indicates to the C program that the endgrent_r()
?S: routine is available.
?S:.
?S:endgrent_r_proto:
?S: This variable encodes the prototype of endgrent_r.
?S: It is zero if d_endgrent_r is undef, and one of the
?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_endgrent_r
?S: is defined.
?S:.
?C:HAS_ENDGRENT_R:
?C: This symbol, if defined, indicates that the endgrent_r routine
?C: is available to
  endgrent re-entrantly.
?C:.
?C:ENDGRENT_R_PROTO:
?C: This symbol encodes the prototype of endgrent_r.
?C: It is zero if d_endgrent_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_endgrent_r
?C: is defined.
?C:.
?H:#$d_endgrent_r HAS_ENDGRENT_R /**/
?H:#define ENDGRENT_R_PROTO $endgrent_r_proto /**/
?H:.
?T:try hdrs d_endgrent_r_proto
: see if endgrent_r exists
set endgrent_r d_endgrent_r
eval $inlibc
case "$d_endgrent_r" in
"$define")
  hdrs="$i_systypes sys/types.h define stdio.h $i_grp grp.h"
  case "$d_endgrent_r_proto:$usethreads" in
  ":define") d_endgrent_r_proto=define
    set d_endgrent_r_proto endgrent_r $hdrs
    eval $hasproto ;;
  *) ;;
  esac
  case "$d_endgrent_r_proto" in
  define)
    case "$endgrent_r_proto" in
    "|0) try='int endgrent_r(FILE**);'
./protochk "$extern_C $try" $hdrs && endgrent_r_proto=I_H ;;
  esac

```

```

case "$endgrent_r_proto" in
"|0) try='void endgrent_r(FILE**);'
./protochk "$xtern_C $try" $hdrs && endgrent_r_proto=V_H ;;
esac
case "$endgrent_r_proto"
in
"|0) d_endgrent_r=undef
endgrent_r_proto=0
echo "Disabling endgrent_r, cannot determine prototype." >&4 ;;
*) case "$endgrent_r_proto" in
REENTRANT_PROTO*) ;;
*) endgrent_r_proto="REENTRANT_PROTO_$endgrent_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "endgrent_r has no prototype, not using it." >&4 ;;
esac
d_endgrent_r=undef
endgrent_r_proto=0
;;
esac
;;
*) endgrent_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_endgrent_r.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: instubperl.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera \$

?RCS:

?RCS: Copyright (c) 1999, Jarkko Hietaniemi

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:installusrbinperl: installbin cat bin Myread Setvar test Devel

?MAKE: -pick add \$@ %<

?LINT:set installusrbinperl

?Y:TOP

?S:installusrbinperl:

?S: This variable tells whether Perl should be installed also as  
?S: /usr/bin/perl in addition to  
?S: \$installbin/perl  
?S:.  
?C:INSTALL\_USR\_BIN\_PERL:  
?C: This symbol, if defined, indicates that Perl is to be installed  
?C: also as /usr/bin/perl.  
?C:.  
?H:#\$installusrbinperl INSTALL\_USR\_BIN\_PERL /\*\*/  
?H:.  
: determine  
whether to install perl also as /usr/bin/perl

```
echo " "  
if $test -d /usr/bin -a "X$installbin" != X/usr/bin; then  
$cat <<EOM  
Many scripts expect perl to be installed as /usr/bin/perl.
```

If you want to, I can install the perl you are about to compile  
as /usr/bin/perl (in addition to \$bin/perl).

```
EOM  
if test -f /usr/bin/perl; then  
$cat <<EOM
```

However, please note that because you already have a /usr/bin/perl,  
overwriting that with a new Perl would very probably cause problems.  
Therefore I'm assuming you don't want to do that (unless you insist).

```
EOM  
case "$installusrbinperl" in  
"$define"|[yY]*) dflt='y';;  
*) dflt='n';;  
esac  
else  
$cat <<EOM
```

Since you don't have a /usr/bin/perl I'm assuming creating one is okay.

```
EOM  
case "$installusrbinperl" in  
"$undef"|[nN]*) dflt='n';;  
*) dflt='y';;  
esac  
fi  
rp="Do you want to install perl as /usr/bin/perl?"  
./myread  
case "$ans" in  
[yY]*) val="$define";;
```

```
*) val="$undef" ;;
esac
else
val="$undef"
fi
set
installusrbinperl
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/instubperl.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_htonl.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_htonl.U,v \$

?RCS: Revision 3.0.1.2 1994/08/29 16:09:25 ram

?RCS: patch32: now properly handles htonl() and friends when macros (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 14:45:00 ram

?RCS: patch23: now also check for htonl() macro (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:06:22 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_htonl: Inlibc Setvar i\_niin i\_sysin i\_arpainet cat rm contains \  
cppstdin cppflags cppminus

?MAKE: -pick

add \$@ %<

?S:d\_htonl:

?S: This variable conditionally defines HAS\_HTONL if htonl() and its

?S: friends are available to do network order byte swapping.

?S:.

?C:HAS\_HTONL (HTONL):

?C: This symbol, if defined, indicates that the htonl() routine (and

?C: friends htonl() ntohl() ntohs()) are available to do network

?C: order byte swapping.

?C:.

?C:HAS\_HTONS (HTONS):

```

?C: This symbol, if defined, indicates that the htons() routine (and
?C: friends htonl() ntohl() ntohs()) are available to do network
?C: order byte swapping.
?C:.
?C:HAS_NTOHL (NTOHL):
?C: This symbol, if defined, indicates that the ntohl() routine (and
?C: friends htonl() htons() ntohs()) are available to do network
?C: order byte swapping.
?C:.
?C:HAS_NTOHS (NTOHS):
?C: This symbol, if defined, indicates that the ntohs() routine (and
?C: friends htonl() htons() ntohl()) are available to do network
?C: order byte swapping.
?C:.
?H:#$d_htonl HAS_HTONL /**/
?H:#$d_htonl HAS_HTONS /**/
?H:#$d_htonl HAS_NTOHL /**/
?H:#$d_htonl
HAS_NTOHS /**/
?H:.
?F:!htonl.c
?LINT:set d_htonl
: see if htonl --and friends-- exists
val="
set htonl val
eval $inlibc

```

```

: Maybe they are macros.
case "$val" in
$undef)
$cat >htonl.c <<EOM
#include <stdio.h>
#include <sys/types.h>
#$i_niin I_NETINET_IN
#$i_sysin I_SYS_IN
#$i_arpainet I_ARPA_INET
#ifdef I_NETINET_IN
#include <netinet/in.h>
#endif
#ifdef I_SYS_IN
#include <sys/in.h>
#endif
#ifdef I_ARPA_INET
#include <arpa/inet.h>
#endif
#ifdef htonl
printf("Defined as a macro.");
#endif

```



EOM

```
$cppstdin $cppflags $cppminus < htonl.c >htonl.E 2>/dev/null
if $contains 'Defined as a macro' htonl.E >/dev/null 2>&1; then
    val="$define"
    echo "But it seems to be defined as a macro." >&4
fi
$rm -f htonl.?
;;
esac
set d_htonl
eval $setvar
```

Found in path(s):

```
*/opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_htonl.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Config\_h.U,v \$

?RCS: Revision 3.0.1.5 1997/02/28 14:57:43 ram

?RCS: patch61: added support for src.U

?RCS:

?RCS: Revision 3.0.1.4 1995/09/25 09:10:49 ram

?RCS: patch59: commented the purpose of the #un-def directive

?RCS:

?RCS: Revision 3.0.1.3 1995/01/30 14:25:39 ram

?RCS: patch49: typo fixes in leading config.h comment (WED)

?RCS:

?RCS: Revision 3.0.1.2 1993/08/24 12:13:20 ram

?RCS: patch3: added TOP as a local shell temporary variable

?RCS:

?RCS: Revision 3.0.1.1 1993/08/19 06:42:20

ram

?RCS: patch1: leading config.sh searching was not aborting properly

?RCS:

?RCS: Revision 3.0 1993/08/18 12:04:47 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This file ends up producing the config\_h.SH script, which is run to produce  
?X: the config.h file. The file ./Config\_h below contains all the ?H: lines  
?X: extracted out of all the units. Metaconfig itself adds the !GROK!THIS!.  
?X: Note that this code isn't included into Configure, but must be shipped with.  
?X:  
?X: For those who wish to know why the file is config\_h.SH instead of the more  
?X: natural config.h.SH, well... it is to support systems like MS-DOG. Only one  
?X: 'dot' is allowed within the file name, as it is part of the "extension" of  
?X: the file. MS-DOG will not let you have two 'dots' because that would mean  
?X: two "extensions".  
?X:  
?MAKE:Config\_h: Id End Config\_sh Obsol\_h myuname cf\_time cf\_by package src  
?MAKE: -pick c\_h\_weed \$@ %<  
?MAKE: -pick c\_h\_weed \$@ ./Config\_h  
?MAKE: -pick  
c\_h\_weed \$@ ./Obsol\_h  
?T:CONFIG TOP  
?LINT:unclosed !GROK!THIS!  
?LINT:extern CONFIG\_H CONFIG\_SH  
?LINT:change CONFIG\_H CONFIG\_SH  
?LINT:nocomment  
case "\$CONFIG\_SH" in  
") CONFIG\_SH=config.sh;;  
esac  
case "\$CONFIG\_H" in  
") CONFIG\_H=config.h;;  
esac  
case \$CONFIG in  
")  
if test -f \$CONFIG\_SH; then TOP=.;  
elif test -f ../\$CONFIG\_SH; then TOP=..;  
elif test -f ../../\$CONFIG\_SH; then TOP=../../;  
elif test -f ../../../\$CONFIG\_SH; then TOP=../../../;  
elif test -f ../../../../\$CONFIG\_SH; then TOP=../../../../;  
else  
echo "Can't find \$CONFIG\_SH."; exit 1  
fi  
. \$TOP/\$CONFIG\_SH  
;;  
esac  
?X: Make sure we are in the directory where the .SH file is located.  
case "\$0" in  
\*/\*) cd `expr X\$0 : 'X\(.\*/)'"` ;;  
esac  
echo "Extracting \$CONFIG\_H (with variable substitutions)"  
?X:  
?X: Since we unconditionally translate leading #undef into /\*#define, we're  
?X: stuck when we really want to have a #undef in config.h. That's why there

?X: is provision here for #un-def, which is translated back into #undef after

?X:

all original #undef have been processed.

?X:

?X: Previously, we changed all

?X: #undef FOO /\*\*/

?X: into

?X: /\*#define FOO /\*\*/

?X: The xlc compiler (available on IBM's AIX) complains that this is

?X: an illegal attempt to write a nested comment, and warns against it.

?X: There's apparently no way to shut the compiler up, either.

?X: This sed command from Hallvard B Furuseth <h.b.furuseth@usit.uio.no>

?X: changes it to

?X: /\*#define FOO /\*\*/

sed <<!GROK!THIS!>\$CONFIG\_H -e 's!^#undef(.\*)\!\!/\*#define\1 \!' -e 's!^#un-def!#undef!'

/\*

\* This file was produced by running the config\_h.SH script, which  
\* gets its values from \$CONFIG\_SH, which is generally produced by  
\* running Configure.

\*

\* Feel free to modify any of this as the need arises. Note, however,  
\* that running config\_h.SH again will wipe out any changes you've made.  
\* For a more permanent change edit \$CONFIG\_SH and rerun config\_h.SH.

\*

\* \Id: Config\_h.U 1 2006-08-24 12:32:52Z rmanfredi \$

\*/

/\*

\* Package name

  : \$package

\* Source directory : \$src

\* Configuration time: \$cf\_time

\* Configured by  : \$cf\_by

\* Target system  : \$myuname

\*/

#ifndef \_config\_h\_

#define \_config\_h\_

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Config\_h.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Configdir.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Configdir.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 14:58:36 ram

?RCS: patch61: have README explicitly mention the package name

?RCS:

?RCS: Revision 3.0 1993/08/18 12:04:49 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:Configdir: package

?MAKE: -pick add \$@ %<

: create .config dir to save info across Configure sessions

test -d ../config || mkdir ../config

cat >../config/README <<EOF

This directory created by Configure to save  
information that should  
persist across sessions for \$package.

You may safely delete it if you wish.

EOF

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Configdir.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: stdchar.U,v \$

?RCS: Revision 3.0 1993/08/18 12:09:52 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:stdchar: contains Findhdr cppstdin cppminus rm

?MAKE: -pick add \$@ %<

?S:stdchar:

?S: This variable conditionally defines STDCHAR to be the type of char

?S: used in stdio.h. It has the values "unsigned char" or "char".

?S:.

?C:STDCHAR:

?C: This symbol is defined to be the type of char used in stdio.h.

?C: It has the values "unsigned char" or "char".

?C:.

?H:#define STDCALL \$stdchar /\*\*/

?H:.

?F:!stdih

:

see what type of char stdio uses.

echo " "

?X: untangle the #include nest

echo '#include <stdio.h>' | \$cppstdin \$cppminus > stdih

if \$contains 'unsigned.\*char.\*\_ptr;' stdih >/dev/null 2>&1 ; then

echo "Your stdio uses unsigned chars." >&4

stdchar="unsigned char"

else

echo "Your stdio uses signed chars." >&4

stdchar="char"

fi

\$rm -f stdih

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/stdchar.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_bfd.U,v \$

?RCS:

?RCS: Copyright (c) 2014 H.Merijn Brand

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i\_bfd: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i\_bfd:

?S: This variable conditionally defines the I\_BFD symbol, and

?S: indicates whether a C program can include <bfd.h>.

?S:.

?C:I\_BFD:

?C: This symbol, if defined, indicates that <bfd.h> exists and

?C: can be included.

?C:.

?H:#\$i\_bfd I\_BFD /\*\*/

?H:.

?LINT:set i\_bfd

: see if this is a bfd.h system

set bfd.h i\_bfd

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_bfd.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: basicshell.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: basicshell.U,v \$

?RCS: Revision 3.0 1993/08/18 12:05:25 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:basicshell: Getfile Oldconfig bash csh ksh sh

?MAKE: -pick add \$@ %<

?S:basicshell:

?S: This variable contains the eventual value of the BASICSHELL symbol,

?S: which contains the full name of the basic script shell on this

?S: system. Usual values are /bin/sh, /bin/ksh, /bin/csh.

?S:.

?C:BASICSHELL:

?C: This symbol contains the

full name of the basic script shell on this

?C: system. Usual values are /bin/sh, /bin/ksh, /bin/csh.

?C:.

?H:#define BASICSHELL "\$basicshell" /\*\*/

?H:.

: find the most basic shell for scripts

echo " "

case "\$basicshell" in

")

case "\$sh \$bash \$csh \$ksh" in

\*/sh\*) dflt="\$sh" ;;

\*/ksh\*) dflt="\$ksh" ;;

\*/csh\*) dflt="\$csh" ;;

\*/bash\*) dflt="\$bash" ;;

\*) dflt='/bin/sh' ;;

esac



```

?C:SETLOCALE_R_PROTO:
?C: This symbol encodes the prototype of setlocale_r.
?C: It is zero if d_setlocale_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_setlocale_r
?C: is defined.
?C:.
?H:#$d_setlocale_r HAS_SETLOCALE_R /**/
?H:#define SETLOCALE_R_PROTO $setlocale_r_proto /**/
?H:.
?T:try hdrs d_setlocale_r_proto
: see if setlocale_r exists
set setlocale_r d_setlocale_r
eval $inlibc
case "$d_setlocale_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_locale locale.h"
case "$d_setlocale_r_proto:$usethreads" in
":define") d_setlocale_r_proto=define
set d_setlocale_r_proto setlocale_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_setlocale_r_proto" in
define)
case "$setlocale_r_proto" in
"|0) try='int setlocale_r(int, const char*, char*, int);'
./protochk "$extern_C $try" $hdrs && setlocale_r_proto=I_ICBI ;;
esac
case "$setlocale_r_proto" in
"|0) d_setlocale_r=undef
setlocale_r_proto=0
echo
"Disabling setlocale_r, cannot determine prototype." >&4 ;;
* ) case "$setlocale_r_proto" in
REENTRANT_PROTO*) ;;
*) setlocale_r_proto="REENTRANT_PROTO_$setlocale_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "setlocale_r has no prototype, not using it." >&4 ;;
esac
d_setlocale_r=undef
setlocale_r_proto=0
;;
esac
;;

```



```
*) setlocale_r_proto=0
```

```
::
```

```
esac
```

Found in path(s):

```
*/opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_setlocale_r.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: Oldconfig.U,v $
```

```
?RCS: Revision 3.0.1.10 1997/02/28 15:06:39 ram
```

```
?RCS: patch61: added support for src.U
```

```
?RCS: patch61: new OSNAME define
```

```
?RCS: patch61: can now sense new OSes
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.9 1995/07/25 13:40:51 ram
```

```
?RCS: patch56: now knows about OS/2 platforms
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.8 1995/05/12 12:04:18 ram
```

```
?RCS: patch54: config.sh reload logic now knows about new -K switch
```

```
?RCS: patch54: cleaned up and extended osvers for DEC OSF/1 (ADO)
```

```
?RCS: patch54: added MachTen detection
```

```
(ADO)
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.7 1995/02/15 14:13:41 ram
```

```
?RCS: patch51: adapted osvers computation for AIX (ADO)
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.6 1995/01/30 14:27:15 ram
```

```
?RCS: patch49: unit Options.U now exports file optdef.sh, not a variable
```

```
?RCS: patch49: update code for myuname changed (WED)
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.5 1995/01/11 15:15:36 ram
```

```
?RCS: patch45: added quotes around the INITPROG variable (ADO)
```

```
?RCS: patch45: allows variable overriding after config file loading
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.4 1994/10/29 15:57:05 ram
```

```
?RCS: patch36: added ?F: line for metalint file checking
```

```
?RCS: patch36: merged with the version used for perl5's Configure (ADO)
```

?RCS:  
?RCS: Revision 3.0.1.3 1994/05/06 14:24:17 ram  
?RCS: patch23: added support for osf1 hints  
?RCS: patch23: new support for solaris and i386 systems (ADO)  
?RCS:  
?RCS: Revision 3.0.1.2 1994/01/24 14:05:02 ram  
?RCS: patch16: added post-processing on myuname for Xenix targets  
?RCS: patch16: message proposing config.sh defaults made consistent  
?RCS:  
?RCS: Revision 3.0.1.1 1993/09/13 15:56:32 ram  
?RCS: patch10: force use of config.sh when -d option is used (WAD)  
?RCS: patch10: complain about non-existent hint files (WAD)  
?RCS: patch10: added Options dependency for fastread variable  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:12 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This unit tries to remember what we did last time we ran Configure, mostly  
?X: for the sake of setting defaults.  
?X:  
?MAKE:Oldconfig hint myuname osname osvers: Instruct Myread Checkcc \  
Mksymlinks Loc Options Tr src trnl ln uname sh awk sed test cat grep \  
rm ln s tr n c contains targetarch  
?MAKE: -pick wipe \$@ %<  
?S:myuname:  
?S: The output of 'uname -a' if available, otherwise the hostname. On Xenix,  
?S: pseudo variables assignments in the output are stripped, thank you. The  
?S: whole thing is then lower-cased.  
?S:.  
?S:hint:  
?S: Gives the type of hints used for previous answers. May be one of  
?S: "default",  
"recommended" or "previous".  
?S:.  
?S:osname:  
?S: This variable contains the operating system name (e.g. sunos,  
?S: solaris, hpux, etc.). It can be useful later on for setting  
?S: defaults. Any spaces are replaced with underscores. It is set  
?S: to a null string if we can't figure it out.  
?S:.  
?S:osvers:  
?S: This variable contains the operating system version (e.g.  
?S: 4.1.3, 5.2, etc.). It is primarily used for helping select  
?S: an appropriate hints file, but might be useful elsewhere for  
?S: setting defaults. It is set to " if we can't figure it out.  
?S: We try to be flexible about how much of the version number

?S: to keep, e.g. if 4.1.1, 4.1.2, and 4.1.3 are essentially the  
 ?S: same for this package, hints files might just be os\_4.0 or  
 ?S: os\_4.1, etc., not keeping separate files for each little release.  
 ?S:.  
 ?C:OSNAME:  
 ?C: This symbol contains the name of the operating system, as determined  
 ?C: by Configure. You shouldn't rely on it too much; the specific  
 ?C: feature tests from Configure are generally more reliable.  
 ?C:.  
 ?C:OSVERS:  
 ?C: This symbol contains the version of the operating system, as determined  
 ?C: by Configure. You shouldn't rely on it too much; the specific  
 ?C: feature tests from Configure are generally more reliable.  
 ?C:.  
 ?H:#define OSNAME "\$osname" /\*\*/  
 ?H:#define OSVERS "\$osvers" /\*\*/  
 ?H:.  
 ?F:!config.sh  
 ?T:tmp tmp\_n tmp\_c tmp\_sh file  
 ?T:xxxxfile xxxfile xxfile xfile hintfile newmyuname  
 ?T:tans \_ isesix INITPROG DJGPP has\_uname  
 ?D:osname="  
 ?LINT:change n c sh  
 ?LINT:extern hostarch  
 ?LINT:change hostarch  
 : Determine the name of the machine  
 myuname=`\$uname -a 2>/dev/null`  
 \$test -z "\$myuname" && myuname=`hostname 2>/dev/null`  
 ?X: Special mention for Xenix, whose 'uname -a' gives us output like this:  
 ?X: sysname=XENIX  
 ?X: nodename=whatever  
 ?X: release=2.3.2 .. etc...  
 ?X: Therefore, we strip all this variable assignment junk and remove all the  
 ?X: new lines to keep the myuname variable sane... --RAM  
 myuname=`echo \$myuname | \$sed -e  
 's/^[^=]\*=//' -e 's/\\//g' | \  
 ./tr '[A-Z]' '[a-z]' | \$tr \$trnl ' '`  
 ?X: Save the value we just computed to reset myuname after we get done here.  
 newmyuname="\$myuname"  
 \$test -f "\$uname\$\_exe" && has\_uname=y

: Guessing of the OS name -- half the following guesses are probably wrong...  
 : If you have better tests or hints, please send them to the metaconfig  
 : authors and to <MAINTLOC>  
 \$test -f /irix && osname=irix  
 \$test -f /xenix && osname=sco\_xenix  
 \$test -f /dynix && osname=dynix

```

$test -f /dnix && osname=dnix
$test -f /lynx.os && osname=lynxos
$test -f /unicos && osname=unicos && osvers=`$uname -r`
$test -f /unicosmk && osname=unicosmk && osvers=`$uname -r`
$test -f /unicosmk.ar && osname=unicosmk && osvers=`$uname -r`
$test -f /bin/mips && /bin/mips && osname=mips
$test -d /NextApps && set X `hostinfo | $grep 'NeXT Mach.*:' | \
  $sed -e 's:/:/' -e 's/\./_/'` && osname=next && osvers=$4
$test -d /usr/apollo/bin && osname=apollo
$test -f /etc/saf/_sactab && osname=svr4
$test -d /usr/include/minix
  && osname=minix
$test -f /system/gnu_library/bin/ar.pm && osname=vos
if $test -d /MachTen -o -d /MachTen_Folder; then
?X: MachTen uname -a output looks like
?X: xxx 4 0.0 Macintosh
?X: MachTen /sbin/version output looks like
?X: MachTen 4.0 Mon Aug 28 10:18:00 1995
?X: MachTen 3.x had the 'version' command in /usr/etc/version.
  osname=machten
  if $test -x /sbin/version; then
    osvers=`/sbin/version | $awk '{print $2}' |
    $sed -e 's/[A-Za-z]$//`
  elif $test -x /usr/etc/version; then
    osvers=`/usr/etc/version | $awk '{print $2}' |
    $sed -e 's/[A-Za-z]$//`
  else
    osvers="$2.$3"
  fi
fi
$test -f /sys/posix.dll &&
$test -f /usr/bin/what &&
set X `usr/bin/what /sys/posix.dll` &&
$test "$3" = UWIN &&
osname=uwin &&
osvers="$5"
?X: If we have uname, we already computed a suitable uname -a output, correctly
?X: formatted for Xenix, and it lies in $myuname.
if $test "X$has_uname" != X; then
  set X $myuname
  shift
  case "$5" in
  fps*) osname=fps ;;
  mips*)
  case "$4"
  in
  umips) osname=umips ;;
  *) osname=mips ;;

```

```

esac;;
[23]100) osname=mips ;;
next*) osname=next ;;
?X: Interactive Unix.
i386*)
tmp=`/bin/uname -X 2>/dev/null|awk '3\,2v[45]/{ print $(NF) }`
if $test "$tmp" != "" -a "$3" = "3.2" -a -f /etc/systemid; then
    osname='sco'
    osvers=$tmp
elif $test -f /etc/kconfig; then
    osname=isc
if $test "$lns" = "$ln -s"; then
    osvers=4
elif $contains _SYSV3 /usr/include/stdio.h > /dev/null 2>&1 ; then
    osvers=3
elif $contains _POSIX_SOURCE /usr/include/stdio.h > /dev/null 2>&1 ; then
    osvers=2
fi
fi
tmp=""
;;

```

?X: MS-DOS djgpp uname -a output looks like:

?X: ms-dos xxx 6 22 pc

?X: \$1 is the "dos flavor" (need not be "ms-dos").

?X: \$2 is the node name

?X: \$3 and \$4 are version/subversion

?X: \$5 is always "pc", but that might not be unique to DJGPP.

?X: (e.g. Solaris\_x86 has \$5 = i86pc, which doesn't actually conflict,

?X: but it's close enough that I can easily imagine other vendors also

?X: using variants

of pc\* in \$5.)

?X: The "DJGPP" environment variable is always set when djgpp is active.

pc\*)

```
if $test -n "$DJGPP"; then
```

```
    osname=dos
```

```
    osvers=djgpp
```

```
fi
```

```
;;
```

```
esac
```

```
case "$1" in
```

```
    aix) osname=aix
```

?X: aix 4.1 uname -a output looks like

?X: AIX foo 1 4 000123456789

?X: where \$4 is the major release number and \$3 is the (minor) version.

?X: More detail on the version is available with the oslevel command.

?X: in 3.2.x, it output a string (see case statements below). In 4.1,

?X: it puts out something like 4.1.1.0

```
    tmp=`( oslevel) 2>/dev/null || echo "not found") 2>&1`
```

```

case "$tmp" in
'not found') osvers="$4"."$3" ;;
'<3240'|<>3240') osvers=3.2.0 ;;
'=3240'|>3240'|<3250'|<>3250') osvers=3.2.4 ;;
'=3250'|>3250') osvers=3.2.5 ;;
*) osvers=$tmp;;
esac
;;
bsd386) osname=bsd386
osvers=`$uname -r`
;;
cygwin*) osname=cygwin
osvers="$3"
;;
*dc.osx) osname=dcosx
osvers="$3"
;;
dnix) osname=dnix
osvers="$3"
;;
domainos) osname=apollo
osvers="$3"
;;
dgux)
osname=dgux
osvers="$3"
;;
?X: uname -a returns
?X: DYNIX/ptx xxx 4.0 V4.1.2 i386
dynixptx*) osname=dynixptx
osvers=`echo "$4"|sed 's/^v//`
;;
freebsd) osname=freebsd
osvers="$3" ;;
genix) osname=genix ;;
?X: HP-UX uname -a gives something like
?X: HP-UX foobar B.10.20 A 9000/735 2016483812 two-user license
?X: Preserve the full 10.20 string instead of the previous plain '10'.
?X: Thanks to Graham Barr. --AD 6/30/1998
hp*) osname=hpux
osvers=`echo "$3" | $sed 's,.*\.[0-9]*\.[0-9]*\),\1,`
;;
irix*) osname=irix
case "$3" in
4*) osvers=4 ;;
5*) osvers=5 ;;
*) osvers="$3" ;;
esac

```

```

;;
linux) osname=linux
case "$3" in
*) osvers="$3" ;;
esac
;;
MiNT) osname=mint
;;
netbsd*) osname=netbsd
osvers="$3"
;;
news-os) osvers="$3"
case "$3" in
4*) osname=newsos4 ;;
*) osname=newsos ;;
esac
;;
next*) osname=next ;;
nonstop-ux) osname=nonstopux ;;
openbsd) osname=openbsd
osvers="$3"
;;
POSIX-BC | posix-bc
) osname=posix-bc
osvers="$3"
;;
powerux | power_ux | powermax_os | powermaxos | \
powerunix | power_unix) osname=powerux
osvers="$3"
;;
qnx) osname=qnx
osvers="$4"
;;
solaris) osname=solaris
case "$3" in
5*) osvers=`echo $3 | $sed 's/^5/2/g'` ;;
*) osvers="$3" ;;
esac
;;
sunos) osname=sunos
case "$3" in
5*) osname=solaris
osvers=`echo $3 | $sed 's/^5/2/g'` ;;
*) osvers="$3" ;;
esac
;;
titanos) osname=titanos
case "$3" in

```

```

1*) osvers=1 ;;
2*) osvers=2 ;;
3*) osvers=3 ;;
4*) osvers=4 ;;
*) osvers="$3" ;;
esac
;;
ultrix) osname=ultrix
osvers="$3"
;;
osf1|mls+) case "$5" in
alpha)
?X: DEC OSF/1 myuname -a output looks like: osf1 xxxx t3.2 123.4 alpha
?X: where the version number can be something like [xvt]n.n
osname=dec_osf
?X: sizer knows the minor minor version: the letter
osvers=`sizer -v | awk '{print $3}' | \
.tr '[A-Z]' '[a-z]' | sed 's/^[xvt]//'^
case "$osvers" in
[1-9].[0-9]*) ;;
*) osvers=`echo
"$3" | sed 's/^[xvt]//'^ ;;
esac
;;
hp*) osname=hp_osf1 ;;
mips) osname=mips_osf1 ;;
?X: hp and mips were unsupported Technology Releases -- ADO, 24/10/94
esac
;;
unixware) osname=svr5
osvers="$4"
;;
uts) osname=uts
osvers="$3"
;;
vos) osvers="$3"
;;
$2) case "$osname" in
*isc*) ;;
*frebsd*) ;;
svr*)
: svr4.x or possibly later
case "svr$3" in
${osname}*)
osname=svr$3
osvers=$4
;;
esac

```



```

case "$osname" in
svr4.0)
: Check for ESIX
if $test -f /stand/boot ; then
eval ` $grep '^INITPROG=[a-z/0-9]*$' /stand/boot `
if $test -n "$INITPROG" -a -f "$INITPROG"; then
isesix=`strings -a $INITPROG | \
$grep 'ESIX SYSTEM V/386 Release 4.0`
if $test -n "$isesix"; then
osname=esix4
fi
fi
fi
;;
esac
;;
*) if $test -f /etc/systemid; then
osname=sco
set `echo $3 | $sed 's/\./ /g` $4
if $test -f $src/hints/sco_${1}_${2}_${3}.sh; then
osvers=$1.$2.$3
elif $test
-f $src/hints/sco_${1}_${2}.sh; then
osvers=$1.$2
elif $test -f $src/hints/sco_${1}.sh; then
osvers=$1
fi
else
case "$osname" in
") : Still unknown. Probably a generic Sys V.
osname="sysv"
osvers="$3"
;;
esac
fi
;;
esac
;;
*) case "$osname" in
") : Still unknown. Probably a generic BSD.
osname="$1"
osvers="$3"
;;
esac
;;
esac
else
?X: Try to identify sony's NEWS-OS (BSD unix)

```

```

if $test -f /vmunix -a -f $src/hints/news_os.sh; then
(what /vmunix | UU/tr '[A-Z]' '[a-z]') > UU/kernel.what 2>&1
if $contains news-os UU/kernel.what >/dev/null 2>&1; then
  osname=news_os
fi
$rm -f UU/kernel.what
?X: Maybe it's OS/2 or DOS or something similar
elif $test -d c:.; then
  set X $myuname
  osname=os2
  osvers="$5"
fi
fi

```

: Try to determine whether config.sh was made on this system

```

case "$config_sh" in
")
?X: indentation wrong on purpose--RAM
dflt=n
case "$knowitall" in
")
if test -f ../config.sh; then
  if $contains
myuname= ../config.sh >/dev/null 2>&1; then
  eval "$grep myuname= ../config.sh`"
  fi
if test "X$myuname" = "X$newmyuname"; then
  dflt=y
  fi
fi
;;
*) dflt=y;;
esac

```

: Get old answers from config file if it was generated on the same system

```

hint=default
if $test -f ../config.sh; then
echo " "
rp="I see a config.sh file. Shall I use it to set the defaults?"
. ./myread
case "$ans" in
n*|N*) echo "OK, I'll ignore it."
mv ../config.sh ../config.sh.old
myuname="$newmyuname"
;;
*) echo "Fetching default answers from your old config.sh file..." >&4
tmp_n="$n"
tmp_c="$c"

```

```

tmp_sh="$sh"
../config.sh
cp ./config.sh .
n="$tmp_n"
c="$tmp_c"
hint=previous
;;
esac
fi
?X: remember, case indentation is wrong--RAM
;;
*)
echo " "
echo "Fetching default answers from $config_sh..." >&4
tmp_n="$n"
tmp_c="$c"
tmp_sh="$sh"
cd ..
?X: preserve symbolic links, if any
cp $config_sh config.sh 2>/dev/null
chmod +w config.sh
./config.sh
cd UU
cp ../config.sh
.
n="$tmp_n"
c="$tmp_c"
hint=previous
;;
esac
?X: Older versions did not always set $sh.
case "$sh" in
") sh="$tmp_sh" ;;
esac
$test "$Soverride" && ./optdef.sh

: Restore computed paths
for file in $loclist $strylist; do
eval $file="\$_$file"
done

../checkcc
?X: Cross-compiling support
case "$targetarch" in
") ;;
*) hostarch=$osname
osname=`echo $targetarch|sed 's,^[^-]*-,`
osvers="

```

```
;;
esac
```

```
@if {test -d ../hints}
: Offer them some hints based on their OS
cd ..
?X: Since we are now at the root of the source tree, we must use $src
?X: to access the sources and not $src. See src.U for details...
if $test ! -f config.sh; then
$cat <<EOM
```

First time through, eh? I have some defaults handy for some systems that need some extra help getting the Configure answers right:

EOM

```
(cd $src/hints; ls -C *.sh) | $sed 's/\.sh/ /g' >&4
dflt=""
```

```
: Now look for a hint file osname_osvers, unless one has been
: specified already.
```

```
case "$hintfile" in
"|' )
file=`echo "${osname}_${osvers}"
| $sed -e 's/\.%_%g' -e 's%_%%'`
: Also try without trailing minor version numbers.
xfile=`echo $file | $sed -e 's%_[^_]*$%%`
xxfile=`echo $xfile | $sed -e 's%_[^_]*$%%`
xxxfile=`echo $xxfile | $sed -e 's%_[^_]*$%%`
xxxxfile=`echo $xxxfile | $sed -e 's%_[^_]*$%%`
case "$file" in
") dflt=none ;;
*) case "$osvers" in
") dflt=$file
;;
*) if $test -f $src/hints/$file.sh ; then
dflt=$file
elif $test -f $src/hints/$xfile.sh ; then
dflt=$xfile
elif $test -f $src/hints/$xxfile.sh ; then
dflt=$xxfile
elif $test -f $src/hints/$xxxfile.sh ; then
dflt=$xxxfile
elif $test -f $src/hints/$xxxxfile.sh ; then
dflt=$xxxxfile
elif $test -f "$src/hints/${osname}.sh" ; then
dflt="${osname}"
else
dflt=none
```

```

fi
;;
esac
;;
esac
if $test -f Policy.sh ; then
case "$dflt" in
*Policy*) ;;
none) dflt="Policy" ;;
*) dflt="Policy $dflt" ;;
esac
fi
;;
*)
dflt=`echo
$hintfile | $sed 's/\.sh$/'^
;;
esac

```

```

if $test -f Policy.sh ; then
$cat <<EOM

```

There's also a Policy hint file available, which should make the site-specific (policy) questions easier to answer.

EOM

```

fi

```

```

$cat <<EOM

```

You may give one or more space-separated answers, or "none" if appropriate. A well-behaved OS will have no hints, so answering "none" or just "Policy" is a good thing. DO NOT give a wrong version or a wrong OS.

EOM

```

rp="Which of these apply, if any?"
. UU/myread
tans=$ans
for file in $tans; do
if $test X$file = XPolicy -a -f Policy.sh; then
. Policy.sh
$cat Policy.sh >> UU/config.sh
elif $test -f $src/hints/$file.sh; then
. $src/hints/$file.sh
$cat $src/hints/$file.sh >> UU/config.sh
elif $test X"$tans" = X -o X"$tans" = Xnone ; then
: nothing

```

```

else
: Give one chance to correct a possible typo.
echo "$file.sh does not exist"
dflt=$file
rp="hint to use instead?"
. UU/myread
for file in $ans; do
if $test -f "$src/hints/$file.sh";
then
. $src/hints/$file.sh
$cat $src/hints/$file.sh >> UU/config.sh
elif $test X$ans = X -o X$ans = Xnone ; then
: nothing
else
echo "$file.sh does not exist -- ignored."
fi
done
fi
done

```

```

hint=recommended
: Remember our hint file for later.
if $test -f "$src/hints/$file.sh" ; then
hintfile="$file"
else
hintfile=""
fi
fi
cd UU
?X: From here on, we must use $rsrc instead of $src

```

```

@end
: Process their -A options
./posthint.sh

```

```

@if osname || osvers
: Ask them to confirm the OS name
cat << EOM

```

Configure uses the operating system name and version to set some defaults. The default value is probably right if the name rings a bell. Otherwise, since spelling matters for me, either accept the default or answer "none" to leave it blank.

```

EOM
@end
@if osname
case "$osname" in

```

```

"|' )
case "$hintfile" in
"|' |none) dflt=none ;;
*) dflt=`echo $hintfile | $sed -e 's/\.sh$//' -e 's/_.*$//'^` ;;
esac
;;
*) dflt="$osname" ;;
esac
rp="Operating
system name?"
./myread
case "$ans" in
none) osname="";
*) osname=`echo "$ans" | $sed -e 's/[ ]*/_/g' | ./tr '[A-Z]' '[a-z]'^` ;;
esac
@end
@if osvers
@if osname
echo " "
@end
case "$osvers" in
"|' )
case "$hintfile" in
"|' |none) dflt=none ;;
*) dflt=`echo $hintfile | $sed -e 's/\.sh$//' -e 's/^[^_]*//'^`
dflt=`echo $dflt | $sed -e 's/^\_//' -e 's/_/./g'^`
case "$dflt" in
"|' ) dflt=none ;;
esac
;;
esac
;;
*) dflt="$osvers" ;;
esac
rp="Operating system version?"
./myread
case "$ans" in
none) osvers="";
*) osvers="$ans" ;;
esac

@end

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Oldconfig.U

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_isfinitel: Inlibc
?MAKE: -pick add $@ %<
?S:d_isfinitel:
?S: This variable conditionally defines the HAS_ISFINITEL symbol, which
?S: indicates to the C program that the isfinitel() routine is available.
?S:.
?C:HAS_ISFINITEL:
?C: This symbol, if defined, indicates that the isfinitel routine is
?C: available to check whether a long double is finite.
?C: (non-infinity non-NaN).
?C:.
?H:#$d_isfinitel HAS_ISFINITEL /**/
?H:.
?LINT:set d_isfinitel
: see if isfinitel exists
set isfinitel d_isfinitel
eval $inlibc

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/d_isfinitel.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: Extensions.U,v$
?RCS:
?RCS: Copyright (c) 1996-1998, Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: Extensions.U,v $
?RCS:
?MAKE:known_extensions extensions dynamic_ext static_ext nonxs_ext \
useposix useopcode uselanginfo : \
Myread hint usedl d_sem d_socket i_db i_dbm i_rpcsvdbm i_gdbm \
d_ndbm usethreads use5005threads package test cat rsrc \
d_msg d_shm osname use64bitint \
libs d_cplusplus sed ls rm contains trnl sort
?MAKE: -pick add $@ %<
?Y:BOTTOM
?S:known_extensions:

```



?S: This variable holds a list of all extensions (both XS and non-xs) included in the package source distribution. This information is only really of use during the Perl build, as the list makes no distinction between extensions which were build and installed, and those which were not. See "extensions" for the list of extensions actually built and available.

?S:.

?S:dynamic\_ext:

?S: This variable holds a list of XS extension files we want to link dynamically into the package. It is used by Makefile.

?S:.

?S:static\_ext:

?S: This variable holds a list of XS extension files we want to link statically into the package. It is used by Makefile.

?S:.

?S:nonxs\_ext:

?S: This variable holds a list of all non-xs extensions built and installed by the package. By default, all non-xs extensions distributed will be built, with the exception of platform-specific extensions (currently only one VMS specific extension).

?S:.

?S:extensions:

?S: This variable holds a list of all extension files (both XS and non-xs) installed with the package. It is propagated to Config.pm and is typically used to test whether a particular extension is available.

?S:.

?S:useposix:

?S: This variable holds either 'true' or 'false' to indicate whether the POSIX extension should be used. The sole use for this currently is to allow an easy mechanism for hints files to indicate that POSIX will not compile on a particular system.

?S:.

?S:useopcode:

?S: This variable holds either 'true' or 'false' to indicate whether the Opcode extension should be used. The sole use for this currently is to allow an easy mechanism for users to skip the Opcode extension from the Configure command line.

?S:.

?S:uselanginfo:

?S: This variable holds either 'true' or 'false' to indicate whether the I18N::Langinfo extension should be used. The sole use for this currently is to allow an easy mechanism for users to skip this extension from the Configure command line.

```

?S:.
?T:xxx avail_ext this_ext tdir xs_extensions nonxs_extensions find_extensions
?INIT:: set useposix=false in your hint file to disable the POSIX extension.
?INIT:useposix=true
?INIT:: set useopcode=false in your hint file to disable the Opcode extension.
?INIT:useopcode=true
?INIT::
    set uselanginfo=false in your hint file to disable the I18N::Langinfo extension.
?INIT:uselanginfo=true
?LINT:extern noextensions
?LINT:extern onlyextensions
?T:keepextensions i
: Check extensions
echo " "
echo "Looking for extensions..." >&4
: If we are using the old config.sh, nonxs_extensions and xs_extensions may
: contain old or inaccurate or duplicate values.
nonxs_extensions="
xs_extensions="
: We do not use find because it might not be available.
: We do not just use MANIFEST because the user may have dropped
: some additional extensions into the source tree and expect them
: to be built.

: Function to recursively find available extensions, ignoring DynaLoader
: NOTE: recursion limit of 10 to prevent runaway in case of symlink madness
: In 5.10.1 and later, extensions are stored in directories
: like File-Glob instead of the older File/Glob/.
find_extensions='
    for xxx in *; do
    case "$xxx" in
        DynaLoader|dynaload) ;;
        *)
            this_ext=`echo
"$xxx" | $sed -e s/-/\\/g`;
            case "$this_ext" in
                Scalar/List/Utils) this_ext="List/Util" ;;
                PathTools)      this_ext="Cwd" ;;
                esac;
            echo " $xs_extensions $nonxs_extensions" > "$tdir/$$.tmp";
            if $contains " $this_ext " "$tdir/$$.tmp"; then
            echo >&4;
            echo "Duplicate directories detected for extension $xxx" >&4;
            echo "Configure cannot correctly recover from this - shall I abort?" >&4;
            case "$knowitall" in
                "") dflt=y;;
                *) dflt=n;;
            esac;

```

```

.../UU/myread;
case "$ans" in
n*|N*) ;;
*) echo >&4;
    echo "Ok. Stopping Configure." >&4;
    echo "Please remove the duplicate directory (e.g. using git clean) and then re-run Configure" >&4;
    exit 1;;
esac;
echo "Ok. You will need to correct config.sh before running make." >&4;
fi;
$ls -l "$xxx" > "$tdir/$$.tmp";
if $contains "\.xs$" "$tdir/$$.tmp" > /dev/null 2>&1; then
xs_extensions="$xs_extensions $this_ext";
elif $contains "\.c$" "$tdir/$$.tmp" > /dev/null
2>&1; then
xs_extensions="$xs_extensions $this_ext";
elif $test -d "$xxx"; then
nonxs_extensions="$nonxs_extensions $this_ext";
fi;
$rm -f "$tdir/$$.tmp";
;;
esac;
done'
tdir=`pwd`
cd "$rsrc/cpan"
set X
shift
eval $find_extensions
cd "$rsrc/dist"
set X
shift
eval $find_extensions
cd "$rsrc/ext"
set X
shift
eval $find_extensions
set X $xs_extensions
shift
xs_extensions=`echo "$*" | tr ' ' $trnl | $sort | tr $trnl ' '`
set X $nonxs_extensions
shift
nonxs_extensions=`echo "$*" | tr ' ' $trnl | $sort | tr $trnl ' '`
cd "$tdir"
known_extensions=`echo $nonxs_extensions $xs_extensions | tr ' ' $trnl | $sort | tr $trnl ' `

```

: Now see which are supported on this system.

?X: avail\_ext lists available XS extensions.

avail\_ext="

```

for xxx in $Xs_extensions ; do
case "$xxx" in
?X: Handle possible DOS 8.3 filename and case alterations
Amiga*)
case "$osname" in
amigaos) avail_ext="$savail_ext $xxx" ;;
esac
;;
DB_File|db_file)
case "$i_db" in
$define)
avail_ext="$savail_ext $xxx" ;;
esac
;;
GDBM_File|gdbm_fil)
case "$i_gdbm" in
$define) avail_ext="$savail_ext $xxx" ;;
esac
;;
IPC/SysV|ipc/sysv)
: XXX Do we need a useipcsysv variable here
case "${d_msg}${d_sem}${d_shm}" in
*"${define})*" avail_ext="$savail_ext $xxx" ;;
esac
;;
NDBM_File|ndbm_fil)
case "$d_ndbm" in
$define)
case "$osname-$use64bitint" in
hpux-define)
case "$libs" in
*-lndbm*) avail_ext="$savail_ext $xxx" ;;
esac
;;
*) avail_ext="$savail_ext $xxx" ;;
esac
;;
esac
;;
ODBM_File|odbm_fil)
case "${i_dbm}${i_rpcsvcdbm}" in
*"${define})*"
case "$d_cplusplus" in
define) ;; # delete as a function name will not work
*) case "$osname-$use64bitint" in
hpux-define)
case "$libs" in
*-ldb*) avail_ext="$savail_ext $xxx" ;;

```

```

    esac
    ;;
*) avail_ext="$avail_ext $xxx" ;;
esac
;;
esac
;;
esac
;;
Opcode|opcode)
case "$useopcode" in
true|define|y)
avail_ext="$avail_ext $xxx" ;;
esac
;;
POSIX|posix)
case "$useposix" in
true|define|y) avail_ext="$avail_ext $xxx" ;;
esac
;;
Socket|socket)
case "$d_socket" in
true|$define|y) avail_ext="$avail_ext $xxx" ;;
esac
;;
I18N/Langinfo|langinfo)
case "$uselanginfo" in
true|define|y) avail_ext="$avail_ext $xxx" ;;
esac
;;
Sys/Syslog|sys/syslog)
case $osname in
amigaos) ;; # not really very useful on AmigaOS
*)
: XXX syslog requires socket
case "$d_socket" in
true|$define|y) avail_ext="$avail_ext $xxx" ;;
esac
;;
esac
;;
Thread|thread)
    case "$sethreads" in
    true|$define|y)
        case "$use5005threads" in
        $define|true|[yY]*) avail_ext="$avail_ext $xxx" ;;
        esac
    esac
esac

```

```

;;
threads|threads/shared)
# threads and threads::shared are special cases.
# To stop people from asking "Perl 5.8.0 was supposed
# to have this new fancy threads
implementation but my
# perl doesn't have it" and from people trying to
# (re)install the threads module using CPAN.pm and
# CPAN.pm then offering to reinstall Perl 5.8.0,
# the threads.pm and threads/shared.pm will always be
# there, croaking informatively ("you need to rebuild
# all of Perl with threads, sorry") when threads haven't
# been compiled in.
# --jhi
avail_ext="$avail_ext $xxx"
;;
VMS*)
;;
Win32*)
case "$osname" in
cygwin) avail_ext="$avail_ext $xxx" ;;
esac
;;
XS/APItest|xs/apitest)
# This is just for testing. Skip it unless we have dynamic loading.

case "$usedl" in
$define) avail_ext="$avail_ext $xxx" ;;
esac
;;
XS/Typemap|xs/typemap)
# This is just for testing. Skip it unless we have dynamic loading.
case "$usedl" in
$define) avail_ext="$avail_ext $xxx" ;;
esac
;;
*) avail_ext="$avail_ext $xxx"
;;
esac
done

set X $avail_ext
shift
avail_ext="$*"

case "$onlyextensions" in
") ;;
*) keepextensions="

```

```

echo
"You have requested that only certain extensions be included..." >&4
for i in $onlyextensions; do
    case " $avail_ext " in
        *" $i "*)
            echo "Keeping extension $i."
            keepextensions="$keepextensions $i"
            ;;
        *) echo "Ignoring extension $i." ;;
    esac
done
avail_ext="$keepextensions"
;;
esac

```

```

case "$noextensions" in
    ") ;;
    *) keepextensions="
        echo "You have requested that certain extensions be ignored..." >&4
        for i in $avail_ext; do
            case " $noextensions " in
                *" $i "*) echo "Ignoring extension $i." ;;
                *) echo "Keeping extension $i.";
                    keepextensions="$keepextensions $i"
                    ;;
            esac
        done
        avail_ext="$keepextensions"
        ;;
    esac

```

: Now see which nonxs extensions are supported on this system.

: For now assume all are.

```

nonxs_ext="
for xxx in $nonxs_extensions ; do
    case "$xxx" in
        VMS*)
            ;;
        *) nonxs_ext="$nonxs_ext $xxx"
            ;;
    esac
done

```

```

set X $nonxs_ext
shift
nonxs_ext="$*"

```

```

case

```

```
$usedl in
$define)
$cat <<EOM
```

A number of extensions are supplied with \$package. You may choose to compile these extensions for dynamic loading (the default), compile them into the \$package executable (static loading), or not include them at all. Answer "none" to include no extensions.

Note that DynaLoader is always built and need not be mentioned here.

EOM

```
case "$dynamic_ext" in
")
: Exclude those listed in static_ext
dflt="
for xxx in $avail_ext; do
case " $static_ext " in
*" $xxx *) ;;
*) dflt="$dflt $xxx" ;;
esac
done
set X $dflt
shift
dflt="$*"
;;
*) dflt="$dynamic_ext"
# Perhaps we are reusing an old out-of-date config.sh.
case "$hint" in
previous)
if test X"$dynamic_ext" != X"$avail_ext"; then
$cat <<EOM
```

NOTICE: Your previous config.sh list may be incorrect.

The extensions now available to you are

```
${avail_ext}
```

but the default list from your previous config.sh is

```
${dynamic_ext}
```

EOM

```
fi
;;
esac
;;
esac
case
"$dflt" in
") dflt=none;;
esac
rp="What extensions do you wish to load dynamically?"
. ./myread
```



```

case "$ans" in
?X: Use ' ' so a subsequent Configure will preserve that value.
none) dynamic_ext=' ' ;;
*) dynamic_ext="$ans" ;;
esac

case "$static_ext" in
")
: Exclude those already listed in dynamic linking
dflt="
for xxx in $avail_ext; do
case " $dynamic_ext " in
*" $xxx "*) ;;
*) dflt="$dflt $xxx" ;;
esac
done
set X $dflt
shift
dflt="$*"
;;
*) dflt="$static_ext"
;;
esac

case "$dflt" in
") dflt=none;;
esac
rp="What extensions do you wish to load statically?"
./myread
case "$ans" in
?X: Use ' ' so a subsequent Configure will preserve that value.
none) static_ext=' ' ;;
*) static_ext="$ans" ;;
esac
;;
*)
$cat <<EOM
A number of extensions are supplied with $package. Answer "none"
to include no extensions.
Note that DynaLoader is always built and need not be mentioned here.

EOM
case "$static_ext" in
")
dflt="$avail_ext" ;;
*) dflt="$static_ext"
# Perhaps we are reusing an old out-of-date config.sh.
case "$hint" in

```

```

previous)
if test X"$static_ext" != X"$avail_ext"; then
    $cat <<EOM
NOTICE: Your previous config.sh list may be incorrect.
The extensions now available to you are
${avail_ext}
but the default list from your previous config.sh is
${static_ext}

```

EOM

```

    fi
    ;;
esac
;;
esac
: Exclude those that are not xs extensions
case "$dflt" in
") dflt=none;;
esac
rp="What extensions do you wish to include?"
. ./myread
case "$ans" in
?X: Use ' ' so a subsequent Configure will preserve that value.
none) static_ext=' ' ;;
*) static_ext="$ans" ;;
esac
;;
esac
#
# Encode is a special case. If we are building Encode as a static
# extension, we need to explicitly list its subextensions as well.
# For other nested extensions, this is handled automatically by
# the appropriate Makefile.PL.
case " $static_ext " in
*" Encode ") # Add the subextensions of Encode
cd
"$src/cpan"
for xxx in `ls Encode/*/Makefile.PL|awk -F/ '{print $2}'`; do
    static_ext="$static_ext Encode/$xxx"
    known_extensions="$known_extensions Encode/$xxx"
done
cd "$dir"
;;
esac

set X $dynamic_ext $static_ext $nonxs_ext
shift
extensions="$*"

```

```

# Sanity check: We require an extension suitable for use with
# AnyDBM_File, as well as Fcntl and IO. (Failure to have these
# should show up as failures in the test suite, but it's helpful to
# catch them now.) The 'extensions' list is normally sorted
# alphabetically, so we need to accept either
# DB_File ... Fcntl ... IO ...
# or something like
# Fcntl ... NDBM_File ... IO ....
case "$extensions" in
*_File "*" Fcntl "*" IO *) ;; # DB_File
*_File "*" Fcntl "*" IO *) ;; # GDBM_File
*_File "*" Fcntl "*" IO *) ;; # NDBM_File
*) echo "WARNING: Extensions DB_File or *DBM_File, Fcntl, and IO not configured." >&4
  echo "WARNING: The Perl you are building will be quite crippled." >&4
  ;;
esac

```

Found in path(s):

```

*
/opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/Extensions.U

```

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_lround: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_lround:

?S: This variable conditionally defines the HAS\_LROUND symbol, which

?S: indicates to the C program that the lround() routine is available

?S: to return the integral value nearest to x.

?S:.

?C:HAS\_LROUND:

?C: This symbol, if defined, indicates that the lround routine is

?C: available to return the nearest integral value.

?C:.

?H:#\$d\_lround HAS\_LROUND /\*\*/

?H:.

?LINT:set d\_lround

: see if lround exists

set lround d\_lround

eval \$inlibc

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/d_lround.U

```

No license file was found, but licenses were detected in source scan.

```
# You may redistribute only under the terms of the Artistic Licence,  
#  
# Beyond this point lie functions we may never compile.  
#  
  
#  
# DO NOT CHANGE A IOTA BEYOND THIS COMMENT!  
# The following table lists offsets of functions within the data section.  
# Should modifications be needed, change original code and rerun perload  
# with the -o option to regenerate a proper offset table.  
#
```

```
    locate'dump_list    2938  
locate'private_units  3071  
locate'public_units   3858  
    locate'units_path  5351  
    main'build_extfun   16719  
    main'build_filext  16368  
    main'build_xref    25627  
    main'complete_line 22216  
    main'dump_obsolete 23859  
    main'end_extraction 7714  
main'extract_dependencies 19358  
main'extract_filenames 15511  
    main'gensym        29705  
    main'init          1308  
    main'init_depend  
18208  
    main'init_except   1534  
main'init_extraction  6862  
main'locate_units     2321  
    main'manifake      29793  
    main'ofound        29321  
    main'p_c           10283  
    main'p_config      11589  
    main'p_magic       13345  
    main'p_make        8066  
main'p_obsolete       9676  
    main'p_shell       9830  
    main'p_wanted      14245  
    main'profile       30974  
    main'q             17825  
main'record_obsolete  22806  
main'tilda_expand     30619  
    main'usage         1832
```

```

#
# End of offset table and beginning of dataloading section.
#

# General initializations
sub main'load_init {
  package main;
  &init_except; # Token which have upper-cased letters
  &init_depend; # The %Depend array records control line handling
}

# Record the exceptions -- all symbols but these are lower case
sub main'load_init_except
{
  package main;
  $Except{'Author'}++;
  $Except{'Date'}++;
  $Except{'Header'}++;
  $Except{'Id'}++;
  $Except{'Locker'}++;
  $Except{'Log'}++;
  $Except{'RCSfile'}++;
  $Except{'Revision'}++;
  $Except{'Source'}++;
  $Except{'State'}++;
}

# Print out metaxref's usage and exits
sub main'load_usage {
  package main;
  print STDERR <<EOM;
  Usage: metaxref [-dhkmsV] [-f manifest] [-L dir]
  -d : debug mode.
  -f : use that file as manifest instead of MANIFEST.new.
  -h : print this help message and exits.
  -k : keep temporary directory.
  -m : assume lots of memory and swap space.
  -s : silent mode.
  -L : specify main units repository.
  -V : print version number and exits.
  EOM
  exit 1;
}

# Locate the units and push their path in @ARGV (sorted alphabetically)
sub main'load_locate_units {
  package locate;
  print "Locating units...\n" unless $main'opt_s;

```

```

local(*WD) = *main'WD; # Current working directory
local(*MC) = *main'MC; # Public metaconfig library
undef %myUlist; #
Records private units paths
undef %myUseen; # Records private/public conflicts
&private_units; # Locate private units in @myUlist
&public_units; # Locate public units in @ARGV
@ARGV = sort @ARGV; # Sort it alphabetically
push(@ARGV, sort @myUlist); # Append user's units sorted
&dump_list if $main'opt_v; # Dump the list of units
}

# Dump the list of units on stdout
sub locate'load_dump_list {
package locate;
print "\t";
$, = "\n\t";
print @ARGV;
$, = ";
print "\n";
}

# Scan private units
sub locate'load_private_units {
package locate;
return unless -d 'U'; # Nothing to be done if no 'U' entry
local(*ARGV) = *myUlist; # Really fill in @myUlist
local($MC) = $WD; # We are really in the working directory
&units_path("U"); # Locate units in the U directory
local($unit_name); # Unit's name (without .U)
local(@kept); # Array of kept units
# Loop over the units and remove duplicates (the first one seen is the one
# we keep). Also set the
%myUseen H table to record private units seen.
foreach (@ARGV) {
($unit_name) = m|^.*(.*).U$|; # Get unit's name from path
next if $myUseen{$unit_name}; # Already recorded
$myUseen{$unit_name} = 1; # Record private unit
push(@kept, $_); # Keep this unit
}
@ARGV = @kept;
}

# Scan public units
sub locate'load_public_units {
package locate;
chdir($MC) || die "Can't find directory $MC.\n";
&units_path("U"); # Locate units in public U directory

```

```

chdir($WD) || die "Can't go back to directory $WD.\n";
local($path); # Relative path from $WD
local($unit_name); # Unit's name (without .U)
local(*Unit) = *main'Unit; # Unit is a global from main package
local(@kept); # Units kept
local(%warned); # Units which have already issued a message
# Loop over all the units and keep only the ones that were not found in
# the user's U directory. As it is possible two or more units with the same
# name be found in
foreach (@ARGV) {
    ($unit_name) = m|^.*(\/.*).U$; #
    Get unit's name from path
    next if $warned{$unit_name}; # We have already seen this unit
    $warned{$unit_name} = 1; # Remember we have warned the user
    if ($myUseen{$unit_name}) { # User already has a private unit
        $path = $Unit{$unit_name}; # Extract user's unit path
        next if $path eq $_; # Same path, we must be in mcon/
        $path =~ s|^$WD/||o; # Weed out leading working dir path
        print " Your private $path overrides the public one.\n"
        unless $main'opt_s;
    } else {
        push(@kept, $_); # We may keep this one
    }
}
@ARGV = @kept;
}

# Recursively locate units in the directory. Each file ending with .U has to be
# a unit. Others are stat()'ed, and if they are a directory, they are also
# scanned through. The $MC and @ARGV variable are dynamically set by the caller.
sub locate'load_units_path {
    package locate;
    local($dir) = @_; # Directory where units are to be found
    local(@contents); # Contents of the directory
    local($unit_name); # Unit's name,
    without final .U
    local($path); # Full path of a unit
    local(*Unit) = *main'Unit; # Unit is a global from main package
    unless (opendir(DIR, $dir)) {
        warn("Cannot open directory $dir.\n");
        return;
    }
    print "Locating in $MC/$dir...\n" if $main'opt_v;
    @contents = readdir DIR; # Slurp the whole thing
    closedir DIR; # And close dir, ready for recursion
    foreach (@contents) {
        next if $_ eq '.' || $_ eq '..';
        if (\/.U$/) { # A unit, definitely

```

```

($unit_name) = /^(.*)\.U$/;
$path = "$MC/$dir/$_"; # Full path of unit
push(@ARGV, $path); # Record its path
if (defined $Unit{$unit_name}) { # Already seen this unit
  if ($main'opt_v) {
    ($path) = $Unit{$unit_name} =~ m|^(.*)/.*|;
    print " We've already seen $unit_name.U in $path.\n";
  }
} else {
  $Unit{$unit_name} = $path; # Map name to path
}
next;
}
# We have found a file which does not look like a unit. If it is a
# directory, then scan it. Otherwise skip the file.
unless
(-d "$dir/$_") {
  print " Skipping file $_ in $dir.\n" if $main'opt_v;
  next;
}
&units_path("$dir/$_");
print "Back to $MC/$dir...\n" if $main'opt_v;
}
}

# Initialize the extraction process by setting some variables.
# We return a string to be eval to do more customized initializations.
sub main'load_init_extraction {
  package main;
  open(INIT, ">$WD/.MT/Init.U") ||
  die "Can't create .MT/Init.U\n";
  open(CONF_H, ">$WD/.MT/Config_h.U") ||
  die "Can't create .MT/Config_h.U\n";
  open(EXTERN, ">$WD/.MT/Extern.U") ||
  die "Can't create .MT/Extern.U\n";
  open(MAGIC_H, ">$WD/.MT/Magic_h.U") ||
  die "Can't create .MT/Magic_h.U\n";

  $c_symbol = ""; # Current symbol seen in ?C: lines
  $s_symbol = ""; # Current symbol seen in ?S: lines
  $m_symbol = ""; # Current symbol seen in ?M: lines
  $heredoc = ""; # Last "here" document symbol seen
  $heredoc_nosubst = 0; # True for <<'EOM' here docs
  $condlist = ""; # List of conditional symbols
  $defined =
  "; # List of defined symbols in the unit
  $body = ""; # No procedure to handle body
  $ending = ""; # No procedure to clean-up

```



```

}

# End the extraction process
sub main'load_end_extraction {
    package main;
    close EXTERN; # External dependencies (libraries, includes...)
    close CONF_H; # C symbol definition template
    close INIT; # Required initializations
    close MAGIC; # Magic C symbol redefinition templates

    print $dependencies if $opt_v; # Print extracted dependencies
}

# Process the ?MAKE: line
sub main'load_p_make {
    package main;
    local($_) = @_;
    local(@ary); # Locally defined symbols
    local(@dep); # Dependencies
    if (/^\[w+ ]*:/) { # Main dependency rule
        s/^\s*//; # Remove leading spaces
        chop;
        s/:(.*)//;
        @dep = split(' ', $1); # Dependencies
        @ary = split(' '); # Locally defined symbols
        foreach $sym (@ary) {
            # Symbols starting with a '+' are meant for internal use only.
            next if $sym =~ s/^\+//;
            # Only symbols starting with
            a lowercase letter are to
            # appear in config.sh, excepted the ones listed in Except.
            if ($sym =~ /^[_a-z]/ || $Except{$sym}) {
                $shmaster{"\$$sym"} = undef;
                push(@Master, "?$unit:$sym=\n"); # Initializations
            }
        }
        $condlist = ""; # List of conditional symbols
        local($sym); # Symbol copy, avoid @dep alteration
        foreach $dep (@dep) {
            if ($dep =~ /^[A-Za-z]/) {
                ($sym = $dep) =~ s/^\+//;
                $condlist .= "$sym ";
                push(@Cond, $sym) unless $condseen{$sym};
                $condseen{$sym}++; # Conditionally wanted
            }
        }
        # Append to already existing dependencies. The 'defined' variable
        # is set for &write_out, used to implement ?L: and ?I: canvas. It is

```

```

# reset each time a new unit is parsed.
# NB: leading '+' for defined symbols (internal use only) have been
# removed at this point, but conditional dependencies still bear it.
$defined = join(' ', @ary); # Symbols defined by this unit
$dependencies .= $defined . ':' . join(' ', @dep) . "\n";
$dependencies
.= " -cond $condlist\n" if $condlist;
} else {
$dependencies .= $_; # Building rules
}
}

```

```

# Process the ?O: line
sub main'load_p_obsolete {
package main;
local($_) = @_;
$Obsolete{"$unit.U"} .= $_; # Message(s) to print if unit is used
}

```

```

# Process the ?S: lines
sub main'load_p_shell {
package main;
local($_) = @_;
unless ($s_symbol) {
if (/^\(w+).*:/) {
$s_symbol = $1;
print " ?S: $s_symbol\n" if $opt_d;
} else {
warn "\"$file\"", line $.: syntax error in ?S: construct.\n";
$s_symbol = $unit;
return;
}
}
# Deal with obsolete symbol list (enclosed between parenthesis)
&record_obsolete("\$_") if ^(/);
}
m|^\.\s*$| && ($s_symbol = ""); # End of comment
}

```

```

# Process the ?C: lines
sub main'load_p_c {
package main;
local($_) = @_;
unless ($c_symbol) {
if (s/^\(w+)\s*~\s*(\S+)\s*(.*)/ $1 $3:/) {
# The ~ operator aliases the main C symbol to another symbol which
# is to be used instead for definition in config.h. That is to say,
#

```

```

the line '?C:SYM ~ other:' would look for symbol 'other' instead,
# and the documentation for symbol SYM would only be included in
# config.h if 'other' were actually wanted.
$c_symbol = $2; # Alias for definition in config.h
print " ?C: $1 ~ $c_symbol\n" if $opt_d;
} elsif (/^(w+).*/: ) {
# Default behaviour. Include in config.h if symbol is needed.
$c_symbol = $1;
print " ?C: $c_symbol\n" if $opt_d;
} else {
warn "\"$file\"", line $.: syntax error in ?C: construct.\n";
$c_symbol = $unit;
return;
}
# Deal with obsolete symbol list (enclosed between parenthesis) and
# make sure that list do not appear in config.h.SH by removing it.
&record_obsolete("$_") if /( /;
s/s*(.*)//; # Get rid of obsolete symbol list
}
s/^(w+)\s*|?$c_symbol:/* $1| || # Start of comment
(s|\.\s*$|?$c_symbol: *\n| && ($c_symbol = ", 1)) || # End of comment
s/^(.*)|?$c_symbol: *$1|; # Middle of comment
&p_config("$_"); # Add comments
to config.h.SH
}

# Process the ?H: lines
sub main'load_p_config {
package main;
local($_) = @_;
local($constraint); # Constraint to be used for inclusion
++$old_version if s/^\?%1://; # Old version
if (s/^\?(w+)//) { # Remove leading '?var:'
$constraint = $1; # Constraint is leading '?var'
} else {
$constraint = ""; # No constraint
}
if (/^#.*$/) { # Look only for cpp lines
if (m/^\#$(w+)\s+(w+).*(w+)) {
# Case: #d_var VAR "$var"
$constraint = $2 unless $constraint;
print " ?H: ($constraint) #$$$1 $2 \"\$3\"\n" if $opt_d;
$cmaster{$2} = undef;
$swanted{$2} = "$1\n$3";
} elsif (m/^\#define\s+(w+)\((.*)\)\s+(w+)) {
# Case: #define VAR(x) $var
$constraint = $1 unless $constraint;
print " ?H: ($constraint) #define $1($2) \\\$3\n" if $opt_d;

```

```

$cmaster{$1} = undef;
$swanted{$1} = $3;
} elsif (m/^\#\$define\s+(\w+)) {
# Case: #\$define VAR
$constraint = $1 unless $constraint;
print " ?H: ($constraint)
#define $1\n" if $opt_d;
$cmaster{$1} = undef;
$swanted{$1} = "define\n$unit";
} elsif (m/^\#$(\w+)\s+(\w+)) {
# Case: #\$d_var VAR
$constraint = $2 unless $constraint;
print " ?H: ($constraint) #\$$1 $2\n" if $opt_d;
$cmaster{$2} = undef;
$swanted{$2} = $1;
} elsif (m/^\#define\s+(\w+).*\$(\w+)) {
# Case: #define VAR "$var"
$constraint = $1 unless $constraint;
print " ?H: ($constraint) #define $1 \"\$$2\"\n" if $opt_d;
$cmaster{$1} = undef;
$swanted{$1} = $2;
} else {
$constraint = $unit unless $constraint;
print " ?H: ($constraint) $_" if $opt_d;
}
} else {
print " ?H: ($constraint) $_" if $opt_d;
}
# If not a single ?H:. line, add the leading constraint
s/^\./ || s/^\?/$constraint:/;
print CONF_H;
}

# Process the ?M: lines
sub main'load_p_magic {
package main;
local($_) = @_;
unless ($m_symbol) {
if (/^\(w+):s*([\w\s]*)\n$/) {
# A '?M:sym:' line implies a '?W:%<:sym' since we'll need to know
# about the wantedness
of sym later on when building confmagic.h.
# Buf is sym is wanted, then the C symbol dependencies have to
# be triggered. That is done by introducing sym in the mwanted
# array, known by the Wanted file construction process...
$m_symbol = $1;
print " ?M: $m_symbol\n" if $opt_d;
$mwanted{$m_symbol} = $2; # Record C dependencies

```

```

&p_wanted("$unit:$m_symbol"); # Build fake ?W: line
} else {
warn "\"$file\"", line $.: syntax error in ?M: construct.\n";
}
return;
}
(s/^\.s*$/?$m_symbol:\n/ && ($m_symbol = ", 1)) || # End of block
s/^\?$m_symbol:/;
print MAGIC_H; # Definition goes to confmagic.h
print " ?M: $_" if $opt_d;
}

# Process the ?W: lines
sub main'load_p_wanted {
package main;
# Syntax is ?W:<shell symbols><C symbols>
local($active) = $_[0] =~ /^[^:]*:/; # Symbols to activate
local($look_symbols) = $_[0] =~ /:(.*/); # When those are used
local(@syms) = split(/ /, $look_symbols); # Keep original spacing info
$active =~ s/\s+/\n/g; #
One symbol per line

# Concatenate quoted strings, so saying something like 'two words' will
# be introduced as one single symbol "two words".
local(@symbols); # Concatenated symbols to look for
local($concat) = ""; # Concatenation buffer
foreach (@syms) {
if (s/^\//) {
$concat = $_;
} elsif (s/\'$/) {
push(@symbols, $concat . '\'' . $_);
$concat = "";
} else {
push(@symbols, $_) unless $concat;
$concat .= '\'' . $_ if $concat;
}
}
}

local($fake); # Fake unique shell symbol to reparent C symbol

# Now record symbols in master and wanted tables
foreach (@symbols) {
$master{$_} = undef; # Asks for look-up in C files
# Make a fake C symbol and associate that with the wanted symbol
# so that later we know where it comes from
$fake = &gensym;
$wanted{$_} = "$fake"; # Attached to this symbol
push(@Master, "?$unit:$fake="); # Fake initialization

```

```

}
}

# Extract filenames from manifest
sub main'load_extract_filenames {
    package
    main;
    &build_filext; # Construct &is_cfile and &is_shfile
    print "Extracting filenames (C and SH files) from $NEWMANI...\n"
    unless $opt_s;
    open(NEWMANI,$NEWMANI) || die "Can't open $NEWMANI.\n";
    local($file);
    while (<NEWMANI>) {
        ($file) = split(' ');
        next if $file eq 'config_h.SH'; # skip config_h.SH
        next if $file eq 'Configure'; # also skip Configure
        next if $file eq 'confmagic.h' && $opt_M;
        push(@SHlist, $file) if &is_shfile($file);
        push(@clist, $file) if &is_cfile($file);
    }
}

# Construct two file identifiers based on the file suffix: one for C files,
# and one for SH files (using the $cext and $shext variables) defined in
# the .package file.
# The &is_cfile and &is_shfile routine may then be called to know whether
# a given file is a candidate for holding C or SH symbols.
sub main'load_build_filext {
    package main;
    &build_extfun('is_cfile', $cext, '.c.h.y.l');
    &build_extfun('is_shfile', $shext, '.SH');
}

# Build routine $name to identify extensions
# listed in $exts, ensuring
# that $minimum is at least matched (both to be backward compatible with
# older .package and because it is really the minimum required).
sub main'load_build_extfun {
    package main;
    local($name, $exts, $minimum) = @_ ;
    local(@single); # Single letter dot extensions (may be grouped)
    local(@others); # Other extensions
    local(%seen); # Avoid duplicate extensions
    foreach $ext (split(' ', "$exts $minimum")) {
        next if $seen{$ext}++;
        if ($ext =~ s/^\.(\\w)$/$1/) {
            push(@single, $ext);
        } else {

```

```

# Convert into perl's regexp
$ext =~ s/\./\./g; # Escape .
$ext =~ s/\?/\./g; # ? turns into .
$ext =~ s/\*/\./g; # * turns into .*
push(@others, $ext);
}
}
local($fn) = &q(<<EOF); # Function being built
:sub $name {
: local(\$_) = \@_;
EOF
local($single); # Single regexp: .c.h grouped into .[ch]
$single = \[' . join(" , @single) . ']' if @single;
$fn .= &q(<<EOL) if @single;
: return 1 if /$single\$/;
EOL
foreach $ext (@others)
{
$fn .= &q(<<EOL);
: return 1 if /$ext\$/;
EOL
}
$fn .= &q(<<EOF);
: 0; # None of the extensions may be applied to file name
:}
EOF
print $fn if $opt_d;
eval $fn;
chop($@) && die "Can't compile '$name':\n$fn\n$@\n";
}

# Remove ':' quotations in front of the lines
sub main'load_q {
package main;
local($_) = @_;
local($*) = 1;
s/^\://g;
$_;
}

# The %Depend array records the functions we use to process the configuration
# lines in the unit, with a special meaning. It is important that all the
# known control symbols be listed below, so that metalint does not complain.
# The %Lcmp array contains valid layouts and their comparison value.
sub main'load_init_depend {
package main;
%Depend = (
'MAKE', 'p_make', # The ?MAKE: line records dependencies

```

```

'INIT', 'p_init', # Initializations printed verbatim
'LINT', 'p_lint', # Hints for metalint
'RCS', 'p_ignore', # RCS comments are ignored
'C', 'p_c', # C symbols
'D', 'p_default', # Default value
for conditional symbols
'E', 'p_example', # Example of usage
'F', 'p_file', # Produced files
'H', 'p_config', # Process the config.h lines
'I', 'p_include', # Added includes
'L', 'p_library', # Added libraries
'M', 'p_magic', # Process the confmagic.h lines
'O', 'p_obsolete', # Unit obsolescence
'P', 'p_public', # Location of PD implementation file
'S', 'p_shell', # Shell variables
'T', 'p_temp', # Shell temporaries used
'V', 'p_visible', # Visible symbols like 'rp', 'dflt'
'W', 'p_wanted', # Wanted value for interpreter
'X', 'p_ignore', # User comment is ignored
'Y', 'p_layout', # User-defined layout preference
);
%Lcmp = (
'top', -1,
'default', 0,
'bottom', 1,
);
}

# Extract dependencies from units held in @ARGV
sub main'load_extract_dependencies {
package main;
local($proc); # Procedure used to handle a ctrl line
local($file); # Current file scanned
local($dir, $unit); # Directory
and unit's name
local($old_version) = 0; # True when old-version unit detected
local($mc) = "$MC/U"; # Public metaconfig directory
local($line); # Last processed line for metalint

printf "Extracting dependency lists from %d units...\n", $#ARGV+1
unless $opt_s;

chdir $WD; # Back to working directory
&init_extraction; # Initialize extraction files
$dependencies = ' ' x (50 * @ARGV); # Pre-extend
$dependencies = "";

# We do not want to use the <> construct here, because we need the

```



```
# name of the opened files (to get the unit's name) and we want to
# reset the line number for each files, and do some pre-processing.
```

```
file: while ($file = shift(@ARGV)) {
  close FILE; # Reset line number
  $old_version = 0; # True if unit is an old version
  if (open(FILE, $file)) {
    ($dir, $unit) = ("", $file)
    unless ($dir, $unit) = ($file =~ m|(.*)/(.*)|);
    $unit =~ s|\.\U$||; # Remove extension
  } else {
    warn("Can't open $file.\n");
  }
  # If
  unit is in the standard public directory, keep only the unit name
  $file = "$unit.U" if $dir eq $mc;
  print "$dir/$unit.U:\n" if $opt_d;
  line: while (<FILE>) {
    $line = $_; # Save last processed unit line
    if (s/^\?([\w\~]+):/) { # We may have found a control line
      $proc = $Depend{$1}; # Look for a procedure to handle it
      unless ($proc) { # Unknown control line
        $proc = $1; # p_unknown expects symbol in '$proc'
        eval '&p_unknown'; # Signal error (metalint only)
        next line; # And go on next line
      }
      # Long lines may be escaped with a final backslash
      $_ .= &complete_line(FILE) if s/\\s*$//;
      # Run macros substitutions
      s/%</$unit/g; # %< expands into the unit's name
      if (s/%\*/$unit/) {
        # %* expanded into the entire set of defined symbols
        # in the old version. Now it is only the unit's name.
        ++$old_version;
      }
      eval { &$proc($_) }; # Process the line
    } else {
      next file unless $body; # No procedure to
handle body
      do {
        $line = $_; # Save last processed unit line
        eval { &$body($_) }; # From now on, it's the unit body
      } while (defined ($_ = <FILE>));
      next file;
    }
  }
} continue {
  warn(" Warning: $file is a pre-3.0 version.\n") if $old_version;
```

```

&Sending($line) if $Sending; # Post-processing for metalint
}

&end_extraction; # End the extraction process
}

# The first line was escaped with a final \ character. Every following line
# is to be appended to it (until we found a real \n not escaped). Note that
# the leading spaces of the continuation line are removed, so any space should
# be added before the former \ if needed.
sub main'load_complete_line {
    package main;
    local($file) = @_; # File where lines come from
    local($_);
    local($read) = ""; # Concatenation of all the continuation lines found
    while (<$file>) {
        s/^\s+//; # Remove leading spaces
        if (s/\\s*$//) { # Still followed by a continuation line
            $read .= $_;
        } else { #
            We've reached the end of the continuation
            return $read . $_;
        }
    }
}

# Record obsolete symbols association (new versus old), that is to say for a
# given old symbol, $Obsolete{'old'} = new symbol to be used. A '$' is prepended
# for all shell variables
sub main'load_record_obsolete {
    package main;
    local($_) = @_;
    local(@obsoleted); # List of obsolete symbols
    local($symbol); # New symbol which must be used
    local($dollar) = s/^\$/ ? '$:.'; # The '$' or a null string
    # Syntax for obsolete symbols specification is
    # list of symbols (obsolete ones):
    if (/^(w+)\s*\((.*)\)\s*$/) {
        $symbol = "$dollar$1";
        @obsoleted = split(' ', $2); # List of obsolete symbols
    } else {
        if (/^(w+)\s*\((.*):$/ {
            warn "\"$file\", line $.: final ')' before ':' missing.\n";
            $symbol = "$dollar$1";
            @obsoleted = split(' ', $2);
        } else {
            warn "\"$file\", line $.: syntax error.\n";
        }
    }
    return;
}

```



```

print OBSOL_H "#define $old $new\n";
print OBSOL_H "#endif\n\n";
}
}
close OBSOLETE;
close OBSOL_H;
close OBSOL_SH;
if (-s 'Obsolete') {
print "*** Obsolete symbols found -- see file 'Obsolete' for a list.\n";
} else {
unlink 'Obsolete';
}
undef
%ofound; # Not needed any more
}

# Parse files and build cross references
sub main'load_build_xref {
package main;
print "Building cross-reference files...\n" unless $opt_s;
unless (-f $NEWMANI) {
&manifake;
die "No $NEWMANI--don't know who to scan.\n" unless -f $NEWMANI;
}

open(FUI, "|sort | uniq >I.fui") || die "Can't create I.fui.\n";
open(UIF, "|sort | uniq >I.uif") || die "Can't create I.uif.\n";

local($search); # Where to-be-eval'd script is held
local($_) = ' ' x 50000 if $opt_m; # Pre-extend pattern search space
local(%visited); # Records visited files
local(%lastfound); # Where last occurrence of key was

# Map shell symbol names to units by reverse engineering the @Master array
# which records all the known shell symbols and the units where they
# are defined.
foreach $init (@Master) {
$init =~ /\^(?:(.*):(.*)=)/ && ($shwanted{"\"$2"} = $1);
}

# Now we are a little clever, and build a loop to eval so that we don't
# have to recompile
our patterns on every file. We also use "study" since
# we are searching the same string for many different things. Hauls!

if (@clist) {
print " Scanning .[chyl] files for symbols...\n" unless $opt_s;
$search = ' ' x (40 * (@cmaster + @ocmaster)); # Pre-extend

```

```

$search = "while (<>) {study;\n"; # Init loop over ARGV
foreach $key (keys(cmaster)) {
    $search .= "\$cmaster{'$key'} .= \"\$ARGV#\" if /\b$key\b/;\n";
}
foreach $key (grep(!/^$/, keys %Obsolete)) {
    $search .= "&ofound('$key') if /\b$key\b/;\n";
}
$search .= "}\n"; # terminate loop
print $search if $opt_d;
@ARGV = @clist;
# Swallow each file as a whole, if memory is available
undef $/ if $opt_m;
eval $search;
eval "";
$/ = "\n";
while (($key,$value) = each(cmaster)) {
    next if $value eq "";
    foreach $file (sort(split(/#/,$value))) {
        next if $file eq "";
        # %cwanted may contain value separated by \n -- take last one
        @sym = split(/\n/, $cwanted{$key});
        $sym
    = pop(@sym);
        $shell = "\$sym";
        print FUI
            pack("A35", $file),
            pack("A20", "$shwanted{$shell}.U"),
            $key, "\n";
        print UIF
            pack("A20", "$shwanted{$shell}.U"),
            pack("A25", $key),
            $file, "\n";
    }
}

undef @clist;
undef %cwanted;
undef %cmaster; # We're not building Configure, we may delete this
%visited = ();
%lastfound = ();

if (@SHlist) {
    print " Scanning .SH files for symbols...\n" unless $opt_s;
    $search = ' x (40 * (@shmaster + @oshmaster)); # Pre-extend
    $search = "while (<>) {study;\n";
    # All the keys already have a leading '$'
    foreach $key (keys(shmaster)) {

```

```

$search .= "\$shmaster{'$key'} .= \"\$ARGV#\" if /\$key\b/;\n";
}
foreach $key (grep (/^\$/, keys %Obsolete)) {
    $search .= "&ofound('$key') if /\$key\b/;\n";
}
$search .= "}\n";
print $search if $opt_d;
@ARGV = @SHlist;
# Swallow each file as a whole, if memory is available
undef $/ if $opt_m;
eval $search;
eval "";
$/=
"\n";
while (($key,$value) = each(shmaster)) {
    next if $value eq "";
    foreach $file (sort(split(/#/ , $value))) {
        next if $file eq "";
        print FUI
            pack("A35", $file),
            pack("A20", "$shwanted{$key}.U"),
            $key, "\n";
        print UIF
            pack("A20", "$shwanted{$key}.U"),
            pack("A25", $key),
            $file, "\n";
    }
}

close FUI;
close UIF;

# If obsolete symbols where found, write an Obsolete file which lists where
# each of them appear and the new symbol to be used. Also write Obsol_h.U
# and Obsol_sh.U in .MT for later perusal.

&dump_obsolete;    # Dump obsolete symbols if any

# Clean-up memory by freeing useless data structures
undef @SHlist;
undef %shmaster;
}

# This routine records matches of obsolete keys (C or shell)
sub main'load_ofound {
    package main;
    local($key) = @_;
```

```

local($_) = $Obsolete{$key}; # Value of new symbol
$ofound{"$ARGV $key $_"}++; # Record obsolete match
$cmaster{$_} .= "$ARGV#" unless /\$/; # A C hit
$shmaster{$_}
.= "$ARGV#" if /\$/; # Or a shell one
}

# Create a new symbol name each time it is invoked. That name is suitable for
# usage as a perl variable name.
sub main'load_gensym {
    package main;
    $Gensym = 'AAAAA' unless $Gensym;
    $Gensym++;
}

sub main'load_manifake {
    package main;
    # make MANIFEST and MANIFEST.new say the same thing
    if (! -f $NEWMANI) {
        if (-f $MANI) {
            open(IN,$MANI) || die "Can't open $MANI";
            open(OUT,">$NEWMANI") || die "Can't create $NEWMANI";
            while (<IN>) {
                if (/---/) {
                    # Everything until now was a header...
                    close OUT;
                    open(OUT,">$NEWMANI") ||
                    die "Can't recreate $NEWMANI";
                    next;
                }
                s/^\s*(\S+\s+)[0-9]*\s*(.*)/$1$2/;
            }
            print OUT;
            print OUT "\n" unless /\n$/; # If no description
        }
        close IN;
        close OUT;
    }
    else {
        die "You need to make a $NEWMANI file, with names and descriptions.\n";
    }
}

#
# Perform ~name expansion ala ksh...
# (banish csh from your vocabulary ;-))
sub main'load_tilda_expand {
    package main;

```

```

local($path) = @_ ;
return $path unless $path =~ /^~/;
$path =~ s:^(^[^/]+):(getpwnam($1))[$+7]:e; # ~name
$path =~ s:^(~):$ENV{'HOME'} || (getpwuid($<))[$+7]:e; # ~
$path;
}

# Set up profile components into %Profile, add any profile-supplied options
# into @ARGV and return the command invocation name.
sub main'load_profile {
  package main;
  local($profile) = &tilda_expand($ENV{'DIST'} || '~/dist_profile');
  local($me) = $0; # Command name
  $me =~ s|^.*(.)$1|; # Keep only base name
  return $me unless -s $profile;
  local(*PROFILE); # Local file descriptor
  local($options) = ""; # Options we get back from profile
  unless (open(PROFILE, $profile)) {
    warn "$me: cannot open $profile: $!\n";
    return;
  }
  local($_);
  local($component);
  while (<PROFILE>) {
    next if /\s*#/; # Skip comments
    next unless /^$me/o;
    if (s/^$me://o) { # proptime: options
      chop;
      $options
    }
    .= $_; # Merge options if more than one line
  }
  elsif (s/^$me-([^\s:]+)//o) { # proptime-component: value
    $component = $1;
    chop;
    s/^\s+//; # Trim leading and trailing spaces
    s/\s+$/;
    $Profile{$component} = $_;
  }
}
close PROFILE;
return unless $options;
require 'shellwords.pl';
local(@opts);
eval '@opts = &shellwords($options)'; # Protect against mismatched quotes
unshift(@ARGV, @opts);
return $me; # Return our invocation name
}

```



```

#
# End of dataloading section.
#

Found in path(s):
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/bin/metaxref
No license file was found, but licenses were detected in source scan.

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_PRIId64 d_PRIi64 d_PRIu64 d_PRIo64 d_PRIx64 d_PRIXU64 \
sPRIId64 sPRIi64 sPRIu64 sPRIo64 sPRIx64 sPRIXU64: \
quadtype i_inttypes test cat rm_try Setvar Compile run
?MAKE: -pick add $@ %<
?S:d_PRIId64:
?S: This variable conditionally defines the PERL_PRIId64 symbol, which
?S: indicates that stdio has a symbol to print 64-bit decimal numbers.
?S:.
?S:d_PRIi64:
?S: This variable conditionally defines the PERL_PRIi64 symbol, which
?S: indicates that stdio has a symbol to print 64-bit decimal numbers.
?S:.
?S:d_PRIu64:
?S: This variable conditionally defines the PERL_PRIu64 symbol, which
?S: indicates that stdio has a symbol to print 64-bit unsigned decimal
?S: numbers.
?S:.
?S:d_PRIo64:
?S: This variable
conditionally defines the PERL_PRIo64 symbol, which
?S: indicates that stdio has a symbol to print 64-bit octal numbers.
?S:.
?S:d_PRIx64:
?S: This variable conditionally defines the PERL_PRIx64 symbol, which
?S: indicates that stdio has a symbol to print 64-bit hexadecimal numbers.
?S:.
?S:d_PRIXU64:
?S: This variable conditionally defines the PERL_PRIXU64 symbol, which
?S: indicates that stdio has a symbol to print 64-bit hExADEcImAl numbers.
?S: The 'U' in the name is to separate this from d_PRIx64 so that even
?S: case-blind systems can see the difference.
?S:.

```

?S:sPRId64:

?S: This variable, if defined, contains the string used by stdio to

?S: format 64-bit decimal numbers (format 'd') for output.

?S:.

?S:sPRIi64:

?S: This variable, if defined, contains the string used by stdio to

?S: format 64-bit decimal numbers (format 'i') for output.

?S:.

?S:sPRIu64:

?S: This variable, if defined, contains the string used by stdio to

?S: format 64-bit unsigned decimal numbers (format 'u')

for output.

?S:.

?S:sPRIo64:

?S: This variable, if defined, contains the string used by stdio to

?S: format 64-bit octal numbers (format 'o') for output.

?S:.

?S:sPRIx64:

?S: This variable, if defined, contains the string used by stdio to

?S: format 64-bit hexadecimal numbers (format 'x') for output.

?S:.

?S:sPRIXU64:

?S: This variable, if defined, contains the string used by stdio to

?S: format 64-bit hExADECimAl numbers (format 'X') for output.

?S: The 'U' in the name is to separate this from sPRIx64 so that even

?S: case-blind systems can see the difference.

?S:.

?C:PERL\_PRId64:

?C: This symbol, if defined, contains the string used by stdio to

?C: format 64-bit decimal numbers (format 'd') for output.

?C:.

?C:PERL\_PRIi64:

?C: This symbol, if defined, contains the string used by stdio to

?C: format 64-bit decimal numbers (format 'i') for output.

?C:.

?C:PERL\_PRIu64:

?C: This symbol, if defined, contains the string used by stdio to

?C: format 64-bit unsigned decimal numbers (format 'u')

for output.

?C:.

?C:PERL\_PRIo64:

?C: This symbol, if defined, contains the string used by stdio to

?C: format 64-bit octal numbers (format 'o') for output.

?C:.

?C:PERL\_PRIx64:

?C: This symbol, if defined, contains the string used by stdio to

?C: format 64-bit hexadecimal numbers (format 'x') for output.

?C:.

```

?C:PERL_PRIx64:
?C: This symbol, if defined, contains the string used by stdio to
?C: format 64-bit hexadecimal numbers (format 'X') for output.
?C:.
?H:#$d_PRIId64 PERL_PRIId64 $sPRIId64 /**/
?H:#$d_PRIi64 PERL_PRIi64 $sPRIi64 /**/
?H:#$d_PRIu64 PERL_PRIu64 $sPRIu64 /**/
?H:#$d_PRIo64 PERL_PRIo64 $sPRIo64 /**/
?H:#$d_PRIx64 PERL_PRIx64 $sPRIx64 /**/
?H:#$d_PRIx64 PERL_PRIx64 $sPRIx64 /**/
?H:.
?T:yyy
?F:!try
: Check 64bit sizes
echo " "

```

```

if $test X"$quadtype" != X; then

```

```

echo "Checking how to print 64-bit integers..." >&4

```

```

if $test X"$sPRIId64" = X -a X"$quadtype" = Xint; then

```

```

$cat >try.c <<'EOCP'
#include <sys/types.h>
#include <stdio.h>
int main() {
int q = 12345678901;

printf("%ld\n", q);
}
EOCP
set try
if eval $compile; then
yyy=`$run ./try`
case "$yyy" in
12345678901)
sPRIId64="d"; sPRIi64="i"; sPRIu64="u";
sPRIo64="o"; sPRIx64="x"; sPRIx64="X";
echo "We will use %d."
;;
esac
fi
fi

```

```

if $test X"$sPRIId64" = X -a X"$quadtype" = Xlong; then

```

```

$cat >try.c <<'EOCP'
#include <sys/types.h>
#include <stdio.h>
int main() {

```

```

long q = 12345678901;
printf("%ld\n", q);
}

```

EOCP

```

set try
if eval $compile; then
yyy=`$run ./try`
case "$yyy" in
12345678901)
sPRId64="ld"; sPRIi64="li"; sPRIu64="lu";
sPRIo64="lo"; sPRIx64="lx"; sPRIXU64="IX";
echo "We will use %ld."
;;
esac
fi
fi

```

```

if $test X"$sPRId64" = X -a X"$i_inttypes" = X"$define" -a X"$quadtype" = Xint64_t; then

```

```

$cat >try.c <<'EOCP'
#include <sys/types.h>
#include <inttypes.h>
#include <stdio.h>
int main() {
int64_t q = 12345678901;
printf("%" PRId64 "\n", q);
}

```

EOCP

```

set try
if eval $compile; then
yyy=`$run ./try`
case "$yyy" in
12345678901)
sPRId64=PRId64;
sPRIi64=PRIi64; sPRIu64=PRIu64;
sPRIo64=PRIo64; sPRIx64=PRIx64; sPRIXU64=PRIXU64;
echo "We will use the C9X style."
;;
esac
fi
fi

```

```

if $test X"$sPRId64" = X -a X"$quadtype" != X; then

```

```

$cat >try.c <<'EOCP'
#include <sys/types.h>
#include <stdio.h>
int main() {
$quadtype q = 12345678901;
printf("%Ld\n", q);
}

```

```

}
EOCP
set try
if eval $compile; then
yyy=`$run ./try`
case "$yyy" in
12345678901)
sPRId64="Ld"; sPRi64="Li"; sPRiU64="Lu";
sPRIo64="Lo"; sPRIx64="Lx"; sPRIXU64="LX";
echo "We will use %Ld."
;;
esac
fi
fi

if $test X"$sPRId64" = X -a X"$quadtype" = X"long long"; then
$cat >try.c <<'EOCP'
#include <sys/types.h>
#include <stdio.h>
int main() {
long long q = 12345678901LL; /* AIX cc requires the LL suffix. */
printf("%lld\n", q);
}
EOCP
set try
if eval $compile; then
yyy=`$run ./try`
case "$yyy" in
12345678901)
sPRId64="lld"; sPRi64="lli"; sPRiU64="llu";
sPRIo64="llo"; sPRIx64="llx";
sPRIXU64="llX";
echo "We will use the %lld style."
;;
esac
fi
fi

if $test X"$sPRId64" = X -a X"$quadtype" != X; then
$cat >try.c <<'EOCP'
#include <sys/types.h>
#include <stdio.h>
int main() {
$quadtype q = 12345678901;
printf("%qd\n", q);
}
EOCP
set try

```

```

if eval $compile; then
yyy=`$run ./try`
case "$yyy" in
12345678901)
sPRId64="qd"; sPRIi64="qi"; sPRIu64="qu";
sPRIo64="qo"; sPRIx64="qx"; sPRIXU64="qX";
echo "We will use %qd."
;;
esac
fi
fi

```

```

if $test X"$sPRId64" = X; then
echo "Cannot figure out how to print 64-bit integers." >&4
fi
$rm_try

fi

```

```

case "$sPRId64" in
*) d_PRId64="$undef"; d_PRIi64="$undef"; d_PRIu64="$undef";
d_PRIo64="$undef"; d_PRIx64="$undef"; d_PRIXU64="$undef";
;;
*) d_PRId64="$define"; d_PRIi64="$define"; d_PRIu64="$define";
d_PRIo64="$define"; d_PRIx64="$define"; d_PRIXU64="$define";
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/quadfio.U
```

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?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: perlpath.U,v \$

?RCS: Revision 3.0.1.2 1995/09/25 09:17:04 ram

?RCS: patch59: unit is now forced to the top of Configure, if possible

?RCS:

?RCS: Revision 3.0.1.1 1995/01/11 15:33:53 ram

?RCS: patch45: can now use Loc variables since path stripping is deferred

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:32 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: The purpose of this unit is to locate perl good enough to construct a #!

?X:

?MAKE:perlpath: Getfile Oldconfig Loc perl

?MAKE: -pick

add \$@ %<

?Y:TOP

?S:perlpath:

?S: This variable contains the eventual value of the PERLPATH symbol,

?S: which contains the absolute location of the perl interpreter.

?S:.

?C:PERLPATH:

?C: This symbol contains the absolute location of the perl interpreter.

?C:.

?H:#define PERLPATH "\$perlpath" /\*\*/

?H:.

: determine perl absolute location

case "\$perlpath" in

")

if test -f /usr/bin/perl; then

  dflt=/usr/bin/perl

else

  case "\$perl" in

    \*/\*) dflt="\$perl";;

    \*) dflt=/usr/bin/perl;;

  esac

fi

::

\*) dflt="\$perlpath"

::

esac

echo " "

fn=f~/

rp="Where is perl located on your system?"

  ./getfile

perlpath="\$ans"

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/perlpath.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: mallocsrc.U,v 3.0.1.2 1997/02/28 16:10:26 ram Exp \$

?RCS:  
?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: mallocsrc.U,v \$  
?RCS: Revision 3.0.1.2 1997/02/28 16:10:26 ram  
?RCS: patch61: added support for Free\_t, the type of free()  
?RCS: patch61: replaced .o with \$\_o all over the place  
?RCS:  
?RCS: Revision 3.0.1.1 1994/05/06 15:10:46 ram  
?RCS: patch23: added support for MYMALLOC, mainly for perl5 (ADO)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:12 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:mallocsrc mallocobj usemallocwrap usemymalloc  
malloctype d\_mymalloc \  
freetype: Myread \  
Oldconfig package Guess Setvar rm cat +cc +ccflags Findhdr \  
i\_malloc i\_stdlib sed libs \_o ptrsize useithreads  
?MAKE: -pick add \$@ %<  
?X: Put near top so that other tests don't erroneously include  
?X: -lmalloc. --AD 22 June 1998  
?Y:TOP  
?S:usemymalloc:  
?S: This variable contains y if the malloc that comes with this package  
?S: is desired over the system's version of malloc. People often include  
?S: special versions of malloc for efficiency, but such versions are often  
?S: less portable. See also mallocsrc and mallocobj.  
?S: If this is 'y', then -lmalloc is removed from \$libs.  
?S:.  
?S:usemallocwrap:  
?S: This variable contains y if we are wrapping malloc to prevent  
?S: integer overflow during size calculations.  
?S:.  
?S:mallocsrc:  
?S: This variable contains the name of the malloc.c that comes with  
?S: the package, if that malloc.c is preferred over the system malloc.  
?S: Otherwise the value is null. This variable is intended for generating  
?S: Makefiles.  
?S:.  
?S:d\_mymalloc:  
?S: This



variable conditionally defines MYMALLOC in case other parts

?S: of the source want to take special action if MYMALLOC is used.

?S: This may include different sorts of profiling or error detection.

?S:.

?S:mallocobj:

?S: This variable contains the name of the malloc.o that this package

?S: generates, if that malloc.o is preferred over the system malloc.

?S: Otherwise the value is null. This variable is intended for generating

?S: Makefiles. See mallocsrc.

?S:.

?S:freetype:

?S: This variable contains the return type of free(). It is usually

?S: void, but occasionally int.

?S:.

?S:malloctype:

?S: This variable contains the kind of ptr returned by malloc and realloc.

?S:.

?C:Free\_t:

?C: This variable contains the return type of free(). It is usually

?C: void, but occasionally int.

?C:.

?C:Malloc\_t (MALLOC\_PTRTYPE):

?C: This symbol is the type of pointer returned by malloc and realloc.

?C:.

?H:#define Malloc\_t \$malloctype /\*\*/

?H:#define Free\_t

\$freetype /\*\*/

?H:.

?C:PERL\_MALLOC\_WRAP:

?C: This symbol, if defined, indicates that we'd like malloc wrap checks.

?C:.

?H:#\$usemallocwrap PERL\_MALLOC\_WRAP /\*\*/

?H:.

?C:MYMALLOC:

?C: This symbol, if defined, indicates that we're using our own malloc.

?C:.

?H:#\$d\_mymalloc MYMALLOC /\*\*/

?H:.

?LINT:extern usedevel

?LINT:change libs

?X: Cannot test for mallocsrc; it is the unit's name and there is a bug in

?X: the interpreter which defines all the names, even though they are not used.

@if mallocobj

: determine whether to use malloc wrapping

echo " "

case "\$usemallocwrap" in

[yY]\*|true|\$define) dflt='y' ;;

[nN]\*|false|\$undef) dflt='n' ;;

```

*) case "$usedevel" in
[yY]*|true|$define) dflt='y' ;;
*) dflt='n' ;;
esac
;;
esac
rp="Do you wish to wrap malloc calls to protect against potential overflows?"
. ./myread
usemallocwrap="$ans"
case "$ans" in
y*|true)
usemallocwrap="$define" ;;
*)
usemallocwrap="$undef" ;;
esac

: determine which malloc to compile in
echo " "
case "$usemymalloc"
in
[yY]*|true|$define) dflt='y' ;;
[nN]*|false|$undef) dflt='n' ;;
*) case "$ptrsize" in
4) dflt='y' ;;
*) dflt='n' ;;
esac
if test "$useithreads" = "$define"; then dflt='n'; fi
;;
esac
rp="Do you wish to attempt to use the malloc that comes with $package?"
. ./myread
usemymalloc="$ans"
case "$ans" in
y*|true)
usemymalloc='y'
mallosrc='malloc.c'
mallocobj="malloc$_o"
d_mymalloc="$define"
?X: Maybe libs.U should be dependent on mallosrc.U, but then
?X: most packages that use dist probably don't supply their own
?X: malloc, so this is probably an o.k. compromise
case "$libs" in
*-lmalloc*)
: Remove malloc from list of libraries to use
echo "Removing unneeded -lmalloc from library list" >&4
set `echo X $libs | $sed -e 's/-lmalloc //' -e 's/-lmalloc$//`
shift
libs="$*"

```

```

echo "libs = $libs" >&4
;;
esac
;;
*)
usemymalloc='n'
malloctx="
malloctx="
malloctx="
d_mymalloc="$undef"
;;
esac

@end
@if MALLOC_PTRTYPE || Malloc_t || Free_t
: compute the return types of
malloc and free
echo " "
$cat >malloc.c <<END
#$i_malloc I_MALLOC
#$i_stdlib I_STDLIB
#include <stdio.h>
#include <sys/types.h>
#ifdef I_MALLOC
#include <malloc.h>
#endif
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#ifdef TRY_MALLOC
void *malloc();
#endif
#ifdef TRY_FREE
void free();
#endif
END
@if MALLOC_PTRTYPE || Malloc_t
case "$malloctx" in
")
if $cc $cflags -c -DTRY_MALLOC malloc.c >/dev/null 2>&1; then
malloctx='void *'
else
malloctx='char *'
fi
;;
esac
echo "Your system wants malloc to return '$malloctx', it would seem." >&4
@end

```

```

@if Free_t
case "$freetype" in
")
if $cc $cflags -c -DTRY_FREE malloc.c >/dev/null 2>&1; then
freetype='void'
else
freetype='int'
fi
;;
esac
echo "Your system uses $freetype free(), it would seem." >&4
@end
$rm -f malloc.[co]
@end

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/mallosrc.U

```

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Tye McQueen <tye@metronet.com>

?RCS:

?RCS: \$Log: d\_stdstdio.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 15:46:32 ram

?RCS: patch61: merged with perl5's unit

?RCS:

?RCS: Revision 3.0.1.2 1995/07/25 14:06:54 ram

?RCS: patch56: typo fix on ?C: line for FILE\_bufsiz

?RCS: patch56: fixed unbalanced parenthesis (ADO)

?RCS: patch56: check whether FILE\_cnt and FILE\_ptr can be assigned to (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1995/05/12 12:12:11 ram

?RCS: patch54: complete rewrite by Tye McQueen

to fit modern systems

?RCS:

?RCS: Revision 3.0 1993/08/18 12:07:31 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

```
?MAKE:d_stdstdio d_stdibase stdio_ptr stdio_cnt stdio_base \
stdio_bufsiz d_stdio_cnt_lval d_stdio_ptr_lval stdio_filbuf: cat \
+cc +ccflags contains +ldflags +libs rm_try \
Setvar Findhdr Oldconfig
?MAKE: -pick add $@ %<
?S:d_stdstdio:
?S: This variable conditionally defines USE_STDIO_PTR if this system
?S: has a FILE structure declaring usable _ptr and _cnt fields (or
?S: equivalent) in stdio.h.
?S:.
?S:stdio_ptr:
?S: This variable defines how, given a FILE pointer, fp, to access the
?S: _ptr field (or equivalent) of stdio.h's FILE structure. This will
?S: be used to define the macro FILE_ptr(fp).
?S:.
?S:d_stdio_ptr_lval:
?S: This variable conditionally defines STDIO_PTR_LVALUE if the
?S: FILE_ptr macro can be used as an lvalue.
?S:.
?S:stdio_cnt:
?S: This variable defines how, given a FILE pointer, fp, to access the
?S: _cnt field (or equivalent) of
?S: stdio.h's FILE structure. This will
?S: be used to define the macro FILE_cnt(fp).
?S:.
?S:d_stdio_cnt_lval:
?S: This variable conditionally defines STDIO_CNT_LVALUE if the
?S: FILE_cnt macro can be used as an lvalue.
?S:.
?S:stdio_filbuf:
?S: This variable defines how, given a FILE pointer, fp, to tell
?S: stdio to refill it's internal buffers (?). This will
?S: be used to define the macro FILE_filbuf(fp).
?S:.
?S:d_stdibase:
?S: This variable conditionally defines USE_STDIO_BASE if this system
?S: has a FILE structure declaring a usable _base field (or equivalent)
?S: in stdio.h.
?S:.
?S:stdio_base:
?S: This variable defines how, given a FILE pointer, fp, to access the
?S: _base field (or equivalent) of stdio.h's FILE structure. This will
?S: be used to define the macro FILE_base(fp).
?S:.
?S:stdio_bufsiz:
?S: This variable defines how, given a FILE pointer, fp, to determine
?S: the number of bytes store in the I/O buffer pointer to by the
?S: _base field (or equivalent) of stdio.h's
```

FILE structure. This will

?S: be used to define the macro FILE\_bufsiz(fp).

?S:.

?C:USE\_STDIO\_PTR ~ d\_stdio (USE\_STD\_STDIO STDSTDIO):

?C: This symbol is defined if the \_ptr and \_cnt fields (or similar)

?C: of the stdio FILE structure can be used to access the stdio buffer

?C: for a file handle. If this is defined, then the FILE\_ptr(fp)

?C: and FILE\_cnt(fp) macros will also be defined and should be used

?C: to access these fields.

?C:.

?C:FILE\_ptr:

?C: This macro is used to access the \_ptr field (or equivalent) of the

?C: FILE structure pointed to by its argument. This macro will always be

?C: defined if USE\_STDIO\_PTR is defined.

?C:.

?C:STDIO\_PTR\_LVALUE:

?C: This symbol is defined if the FILE\_ptr macro can be used as an

?C: lvalue.

?C:.

?C:FILE\_cnt:

?C: This macro is used to access the \_cnt field (or equivalent) of the

?C: FILE structure pointed to by its argument. This macro will always be

?C: defined if USE\_STDIO\_PTR is defined.

?C:.

?C:STDIO\_CNT\_LVALUE:

?C: This symbol is defined

if the FILE\_cnt macro can be used as an

?C: lvalue.

?C:.

?C:FILE\_filbuf:

?C: This macro is used to access the internal stdio \_filbuf function

?C: (or equivalent), if STDIO\_CNT\_LVALUE and STDIO\_PTR\_LVALUE

?C: are defined. It is typically either \_filbuf or \_\_filbuf.

?C: This macro will only be defined if both STDIO\_CNT\_LVALUE and

?C: STDIO\_PTR\_LVALUE are defined.

?C:.

?H:?d\_stdio:#\$d\_stdio USE\_STDIO\_PTR /\*\*/

?H:?d\_stdio:#ifdef USE\_STDIO\_PTR

?H:#define FILE\_ptr(fp) \$stdio\_ptr

?H:#\$d\_stdio\_ptr\_lval STDIO\_PTR\_LVALUE /\*\*/

?H:#define FILE\_cnt(fp) \$stdio\_cnt

?H:#\$d\_stdio\_cnt\_lval STDIO\_CNT\_LVALUE /\*\*/

?H:?d\_stdio:#if defined(STDIO\_PTR\_LVALUE) && defined(STDIO\_CNT\_LVALUE)

?H:#define FILE\_filbuf(fp) \$stdio\_filbuf /\*\*/

?H:?d\_stdio:#endif

?H:?d\_stdio:#endif

?H:.

?W:d\_stdio:FILE\_ptr FILE\_cnt FILE\_filbuf

?C:USE\_STDIO\_BASE ~ d\_stdibase:

?C: This symbol is defined if the \_base field (or similar) of the  
?C: stdio FILE structure can be used to access the stdio buffer  
for  
?C: a file handle. If this is defined, then the FILE\_base(fp) macro  
?C: will also be defined and should be used to access this field.  
?C: Also, the FILE\_bufsiz(fp) macro will be defined and should be used  
?C: to determine the number of bytes in the buffer. USE\_STDIO\_BASE  
?C: will never be defined unless USE\_STDIO\_PTR is.  
?C:.

?C:FILE\_base:

?C: This macro is used to access the \_base field (or equivalent) of the  
?C: FILE structure pointed to by its argument. This macro will always be  
?C: defined if USE\_STDIO\_BASE is defined.  
?C:.

?C:FILE\_bufsiz:

?C: This macro is used to determine the number of bytes in the I/O  
?C: buffer pointed to by \_base field (or equivalent) of the FILE  
?C: structure pointed to its argument. This macro will always be defined  
?C: if USE\_STDIO\_BASE is defined.  
?C:.

```
?H:?d_stdibase:#$d_stdibase USE_STDIO_BASE /**/
?H:?d_stdibase:#ifdef USE_STDIO_BASE
?H:#define FILE_base(fp) $stdio_base
?H:#define FILE_bufsiz(fp) $stdio_bufsiz
?H:?d_stdibase:#endif
?H:.
```

```
?W:d_stdibase:FILE_base
FILE_bufsiz
?LINT:set d_stdstdio d_stdibase
?T:ptr_lval cnt_lval filbuf xxx
?F:!try
: see if _ptr and _cnt from stdio act std
echo " "
if $contains '_IO_fpos_t' `./findhdr stdio.h` >/dev/null 2>&1 ; then
echo "(Looks like you have stdio.h from Linux.)"
case "$stdio_ptr" in
") stdio_ptr='(fp)->_IO_read_ptr'
ptr_lval=$define
;;
*) ptr_lval=$d_stdio_ptr_lval;;
esac
case "$stdio_cnt" in
") stdio_cnt='(fp)->_IO_read_end - (fp)->_IO_read_ptr'
cnt_lval=$undef
;;
*) cnt_lval=$d_stdio_cnt_lval;;
esac
```

```

case "$stdio_base" in
") stdio_base='((fp)->_IO_read_base)';;
esac
case "$stdio_bufsiz" in
") stdio_bufsiz='((fp)->_IO_read_end - (fp)->_IO_read_base)';;
esac
else
case "$stdio_ptr" in
") stdio_ptr='((fp)->_ptr)'
ptr_lval=$define
;;
*) ptr_lval=$d_stdio_ptr_lval;;
esac
case "$stdio_cnt" in
") stdio_cnt='((fp)->_cnt)'
cnt_lval=$define
;;
*) cnt_lval=$d_stdio_cnt_lval;;
esac
case "$stdio_base" in
") stdio_base='((fp)->_base)';;
esac
case
"$stdio_bufsiz" in
") stdio_bufsiz='((fp)->_cnt + (fp)->_ptr - (fp)->_base)';;
esac
fi
: test whether _ptr and _cnt really work
echo "Checking how std your stdio is..." >&4
$cat >try.c <<EOP
#include <stdio.h>
#define FILE_ptr(fp) $stdio_ptr
#define FILE_cnt(fp) $stdio_cnt
int main() {
FILE *fp = fopen("try.c", "r");
char c = getc(fp);
if (
18 <= FILE_cnt(fp) &&
strncmp(FILE_ptr(fp), "include <stdio.h>\n", 18) == 0
)
exit(0);
exit(1);
}
EOP
val="$undef"
if $cc $ccflags $ldflags -o try try.c $libs >/dev/null 2>&1; then
if ./try; then
echo "Your stdio acts pretty std."

```



```

    val="$define"
else
    echo "Your stdio isn't very std."
fi
else
    echo "Your stdio doesn't appear very std."
fi
$rm_try
set d_stdstdio
eval $setvar

@if STDIO_PTR_LVALUE || d_stdio_ptr_lval
: Can _ptr be used as an lvalue?
?X: Only makes sense if we have a known stdio implementation.
case "$d_stdstdio$ptr_lval" in
$define$define) val=$define ;;
*) val=$undef ;;
esac
set d_stdio_ptr_lval
eval
$setvar

@end

@if STDIO_CNT_LVALUE || d_stdio_cnt_lval
: Can _cnt be used as an lvalue?
?X: Only makes sense if we have a known stdio implementation.
case "$d_stdstdio$cnt_lval" in
$define$define) val=$define ;;
*) val=$undef ;;
esac
set d_stdio_cnt_lval
eval $setvar

@end

@if FILE_filbuf
: How to access the stdio _filbuf or __filbuf function.
: If this fails, check how the getc macro in stdio.h works.
case "${d_stdio_ptr_lval}${d_stdio_cnt_lval}" in
${define}${define})
: Try hint value, if any, then _filbuf, __filbuf, _fill, then punt.
: _fill is for OS/2.
xxx='notok'
for filbuf in $stdio_filbuf '_filbuf(fp)' '__filbuf(fp)' '_fill(fp)'; do
$cat >try.c <<EOP
#include <stdio.h>
#define FILE_ptr(fp) $stdio_ptr
#define FILE_cnt(fp) $stdio_cnt
#define FILE_filbuf(fp) $filbuf

```

```

int main() {
FILE *fp = fopen("try.c", "r");
int c;
c = getc(fp);
c = FILE_filbuf(fp); /* Just looking for linker errors.*/
exit(0);
}
EOP
if $cc $ccflags $ldflags -o try try.c $libs >/dev/null 2>&1 &&
./try; then
echo "Your stdio appears to use $filbuf"
stdio_filbuf="$filbuf"
xxx='ok'
break
else
echo "Hmm. $filbuf doesn't seem to work."
fi
$rm_try
done
case "$xxx" in
notok) echo "I can't figure out how to access _filbuf"
echo "I'll just have to work around it."
d_stdio_ptr_lval="$undef"
d_stdio_cnt_lval="$undef"
;;
esac
;;
esac
@end
@if d_stdibase || USE_STDIO_BASE || FILE_base || FILE_bufsiz
: see if _base is also standard
val="$undef"
case "$d_stdstdio" in
$define)
$cat >try.c <<EOP
#include <stdio.h>
#define FILE_base(fp) $stdio_base
#define FILE_bufsiz(fp) $stdio_bufsiz
int main() {
FILE *fp = fopen("try.c", "r");
char c = getc(fp);
if (
19 <= FILE_bufsiz(fp) &&
strncmp(FILE_base(fp), "#include <stdio.h>\n", 19) == 0
)
exit(0);
exit(1);
}

```

```

EOP
if $cc $ccflags $ldflags -o try try.c $libs > /dev/null 2>&1; then
  if ./try; then
    echo "And its _base field acts std."
    val="$define"
  else
    echo "But its _base field isn't std."
  fi
else
  echo
  "However, it seems to be lacking the _base field."
fi
$rm_try
;;
esac
set d_stdiobase
eval $setvar

@end

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_stdstdio.U
```

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fdim: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fdim:

?S: This variable conditionally defines the HAS\_FDIM symbol, which

?S: indicates to the C program that the fdim() routine is available.

?S:.

?C:HAS\_FDIM:

?C: This symbol, if defined, indicates that the fdim routine is

?C: available to do the positive difference function.

?C:.

?H:#\$d\_fdim HAS\_FDIM /\*\*/

?H:.

?LINT:set d\_fdim

: see if fdim exists

set fdim d\_fdim

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_fdim.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_getpwuid_r.U,v 0RCS:
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.
?RCS:
?MAKE:d_getpwuid_r getpwuid_r_proto: Inlibc Protochk Hasproto i_systypes \
  usethreads i_pwd extern_C
?MAKE: -pick add $@ %<
?S:d_getpwuid_r:
?S: This variable conditionally defines the HAS_GETPWUID_R symbol,
?S: which indicates to the C program that the getpwuid_r()
?S: routine is available.
?S:.
?S:getpwuid_r_proto:
?S: This variable encodes the prototype of getpwuid_r.
?S: It is zero if d_getpwuid_r is undef, and one of the
?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_getpwuid_r
?S: is defined.
?S:.
?C:HAS_GETPWUID_R:
?C: This symbol, if defined, indicates that the getpwuid_r routine
?C: is available to
  getpwuid re-entrantly.
?C:.
?C:GETPWUID_R_PROTO:
?C: This symbol encodes the prototype of getpwuid_r.
?C: It is zero if d_getpwuid_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_getpwuid_r
?C: is defined.
?C:.
?H:#$d_getpwuid_r HAS_GETPWUID_R /**/
?H:#define GETPWUID_R_PROTO $getpwuid_r_proto /**/
?H:.
?T:try hdrs d_getpwuid_r_proto
: see if getpwuid_r exists
set getpwuid_r d_getpwuid_r
eval $inlibc
case "$d_getpwuid_r" in
"$define")
  hdrs="$i_systypes sys/types.h define stdio.h $i_pwd pwd.h"
  case "$d_getpwuid_r_proto:$usethreads" in
  ":define") d_getpwuid_r_proto=define
  set d_getpwuid_r_proto getpwuid_r $hdrs
```

```

eval $hasproto ;;
*) ;;
esac
case "$d_getpwuid_r_proto" in
define)
case "$getpwuid_r_proto" in
"|0) try='int getpwuid_r(uid_t, struct passwd*, char*, size_t, struct passwd**);'
./prochck "$extern_C $try" $hdrs && getpwuid_r_proto=I_TSBWR ;;
esac
case "$getpwuid_r_proto" in
"|0) try='int getpwuid_r(uid_t, struct passwd*, char*, int,
struct passwd**);'
./prochck "$extern_C $try" $hdrs && getpwuid_r_proto=I_TSBIR ;;
esac
case "$getpwuid_r_proto" in
"|0) try='int getpwuid_r(uid_t, struct passwd*, char*, int);'
./prochck "$extern_C $try" $hdrs && getpwuid_r_proto=I_TSBI ;;
esac
case "$getpwuid_r_proto" in
"|0) try='struct passwd* getpwuid_r(uid_t, struct passwd*, char*, int);'
./prochck "$extern_C $try" $hdrs && getpwuid_r_proto=S_TSBI ;;
esac
case "$getpwuid_r_proto" in
"|0) d_getpwuid_r=undef
getpwuid_r_proto=0
echo "Disabling getpwuid_r, cannot determine prototype." >&4 ;;
*) case "$getpwuid_r_proto" in
REENTRANT_PROTO*) ;;
*) getpwuid_r_proto="REENTRANT_PROTO_${getpwuid_r_proto}" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$susethreads" in
define) echo "getpwuid_r has no prototype, not using it." >&4 ;;
esac
d_getpwuid_r=undef
getpwuid_r_proto=0
;;
esac
;;
*) getpwuid_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/threads/d_getpwuid_r.U

```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_gethostbyname_r.U,v 0RCS:
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.
?RCS:
?MAKE:d_gethostbyname_r gethostbyname_r_proto: Inlibc Protochk Hasproto \
i_systypes usethreads i_netdb extern_C
?MAKE: -pick add $@ %<
?S:d_gethostbyname_r:
?S: This variable conditionally defines the HAS_GETHOSTBYNAME_R symbol,
?S: which indicates to the C program that the gethostbyname_r()
?S: routine is available.
?S:.
?S:gethostbyname_r_proto:
?S: This variable encodes the prototype of gethostbyname_r.
?S: It is zero if d_gethostbyname_r is undef, and one of the
?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_gethostbyname_r
?S: is defined.
?S:.
?C:HAS_GETHOSTBYNAME_R:
?C: This symbol, if defined, indicates
that the gethostbyname_r routine
?C: is available to gethostbyname re-entrantly.
?C:.
?C:GETHOSTBYNAME_R_PROTO:
?C: This symbol encodes the prototype of gethostbyname_r.
?C: It is zero if d_gethostbyname_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_gethostbyname_r
?C: is defined.
?C:.
?H:#$d_gethostbyname_r HAS_GETHOSTBYNAME_R /**/
?H:#define GETHOSTBYNAME_R_PROTO $gethostbyname_r_proto /**/
?H:.
?T:try hdrs d_gethostbyname_r_proto
: see if gethostbyname_r exists
set gethostbyname_r d_gethostbyname_r
eval $inlibc
case "$d_gethostbyname_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_netdb netdb.h"
case "$d_gethostbyname_r_proto:$usethreads" in
":define") d_gethostbyname_r_proto=define
set d_gethostbyname_r_proto gethostbyname_r $hdrs
```

```

eval $hasproto ;;
*) ;;
esac
case "$d_gethostbyname_r_proto" in
define)
case "$gethostbyname_r_proto" in
"|0) try='int gethostbyname_r(const char*, struct hostent*, char*, size_t, struct
hostent**, int*);'
./protopch "$extern_C $try" $hdrs && gethostbyname_r_proto=I_CSBWRE ;;
esac
case "$gethostbyname_r_proto" in
"|0) try='struct hostent* gethostbyname_r(const char*, struct hostent*, char*, int, int*);'
./protopch "$extern_C $try" $hdrs && gethostbyname_r_proto=S_CSBIE ;;
esac
case "$gethostbyname_r_proto" in
"|0) try='int gethostbyname_r(const char*, struct hostent*, struct hostent_data*);'
./protopch "$extern_C $try" $hdrs && gethostbyname_r_proto=I_CSD ;;
esac
case "$gethostbyname_r_proto" in
"|0) d_gethostbyname_r=undef
gethostbyname_r_proto=0
echo "Disabling gethostbyname_r, cannot determine prototype." >&4 ;;
* ) case "$gethostbyname_r_proto" in
REENTRANT_PROTO*) ;;
*) gethostbyname_r_proto="REENTRANT_PROTO_$gethostbyname_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "gethostbyname_r has no prototype, not using it." >&4 ;;
esac
d_gethostbyname_r=undef
gethostbyname_r_proto=0
;;
esac
;;
*) gethostbyname_r_proto=0
;;
esac

```

Found

in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_gethostbyname\_r.U

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?RCS: \$Id\$

?RCS:  
?RCS: Copyright (c) 2003 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_aintl: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_aintl:  
?S: This variable conditionally defines the HAS\_AINTL symbol, which  
?S: indicates to the C program that the aintl() routine is available.  
?S: If copysignl is also present we can emulate modfl.  
?S:.  
?C:HAS\_AINTL:  
?C: This symbol, if defined, indicates that the aintl routine is  
?C: available. If copysignl is also present we can emulate modfl.  
?C:.  
?H:#\$d\_aintl HAS\_AINTL /\*\*/  
?H:.  
?LINT:set d\_aintl  
: see if aintl exists  
set aintl d\_aintl  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_aintl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: archname.U,v \$  
?RCS: Revision 3.0.1.3 1997/02/28 15:24:32 ram  
?RCS: patch61: changed the way the archname is mangled from uname  
?RCS:  
?RCS: Revision 3.0.1.2 1995/05/12 12:05:24 ram  
?RCS: patch54: protect against spaces in "uname -m" output (ADO)  
?RCS:  
?RCS: Revision 3.0.1.1 1995/02/15 14:14:21 ram  
?RCS: patch51: created



?RCS:

?MAKE:archname myarchname: sed Loc Myread Oldconfig osname test rm

?MAKE: -pick add \$@ %<

?S:archname:

?S: This variable is a short name to characterize the current

?S: architecture.

It is used mainly to construct the default archlib.

?S:.

?S:myarchname:

?S: This variable holds the architecture name computed by Configure in

?S: a previous run. It is not intended to be perused by any user and

?S: should never be set in a hint file.

?S:.

?C:ARCHNAME:

?C: This symbol holds a string representing the architecture name.

?C: It may be used to construct an architecture-dependant pathname

?C: where library files may be held under a private library, for

?C: instance.

?C:.

?H:#define ARCHNAME "\$archname" /\*\*/

?H:.

?T:xxx tarch

: determine the architecture name

echo " "

?X: We always recompute archname in case osname changes. However, we need

?X: to be careful since, as ADO rightfully pointed out, some systems pick

?X: silly architecture names (0001307135000-aix on AIX or 9000/715-ux under

?X: HP-UX). Therefore, we allow hint files to superseed our guess and ask

?X: the user for confirmation.

```

if xxx=`./loc arch blurfl $pth`; $test -f "$xxx"; then
  tarch=`arch`-"-$osname"
elif
  xxx=`./loc uname blurfl $pth`; $test -f "$xxx" ; then
  if uname -m > tmparch 2>&1 ; then
    tarch=`$sed -e 's/*$//' -e 's/_/g' \
      -e 's/$'"-$osname/" tmparch`
  else
    tarch="$osname"
  fi
  $rm -f tmparch
else
  tarch="$osname"
fi
case "$myarchname" in
|"$tarch") ;;
*)
  echo "(Your architecture name used to be $myarchname.)"
  archname="

```

```

;;
esac
case "$archname" in
") dflt="$starch";;
*) dflt="$archname";;
esac
rp='What is your architecture name'
. ./myread
archname="$ans"
myarchname="$starch"

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/archname.U
```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_killpg.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_killpg.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:27 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_killpg: Inlibc
?MAKE: -pick add $@ %<
?S:d_killpg:
?S: This variable conditionally defines the HAS_KILLPG symbol, which
?S: indicates to the C program that the killpg() routine is available
?S: to kill process groups.
?S:.
?C:HAS_KILLPG (KILLPG):
?C: This symbol, if defined, indicates that the killpg routine is available
?C: to kill
process groups. If unavailable, you probably should use kill
?C: with a negative process number.
?C:.
?H:#$d_killpg HAS_KILLPG /**/
?H:.
?LINT:set d_killpg
: see if killpg exists
set killpg d_killpg

```

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_killpg.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: shm\_for.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS:

?RCS: \$Log: shm\_for.U,v \$

?RCS: Revision 3.0.1.1 1994/10/29 16:28:37 ram

?RCS: patch36: call ./Cpplib explicitly instead of relying on PATH

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:46 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:shm\_for shm\_att shm\_lim: Cpplib Myread ipc uname

?MAKE: -pick add \$@ %<

?S:shm\_for:

?S: This variable tells us the type of machine we're expecting the

?S: shared memory code to run on. The value is available to C programs

?S: in the C\_SHM\_FOR manifest.

?S:.

?S:shm\_att:

?S: This variable tells us where a shared memory segment should be

?S: attached. Good values are HIGH, LOW, and ZERO.

?S:.

?S:shm\_lim:

?S: This variable tells us if shared memory attached HIGH should

?S: have an upper limit.

?S:.

?X: -----

?X: It's a potential lose to define anything beginning with SHM...

?X: At least we can think that S\_ stands for "String version of ..." -- HMS

?X: -----

?C:S\_SHM\_FOR ~ %<:

?C: This symbol identifies what we chose for the target system's

?C: default shared memory configuration parameters.

?C:.

```

?C:S_SHM_ATT ~ %<:
?C: This symbol holds the default "place" to attach shared memory.
?C: Values are "HIGH", "ZERO", and "LOW".
?C:.
?C:S_SHM_LIM ~ %<:
?C: This symbol holds the default upper bound address limit if shared
?C: memory is attached HIGH. If zero, there is no upper limit.
?C:.
?H:?%<:#ifdef
SERVE_SHM
?H:?%<:#define S_SHM_FOR "$shm_for"
?H:?%<:#define S_SHM_ATT "$shm_att"
?H:?%<:#define S_SHM_LIM "$shm_lim"
?H:?%<:#endif
?H:.
?W:%<:S_SHM_FOR S_SHM_ATT S_SHM_LIM
: see how to attach shared memory
echo " "
echo "Deciding how to attach shared memory..." >&4

case "$ipc" in
shm)
shm_for='Default case'
shm_att='HIGH'
shm_lim='0x0'
if ./Cpssym tower32 tower32_600; then
echo "NCR Towers are usually normal..."
: echo "Oh, an NCR Tower."
: This works for the 600
shm_for='NCR Tower 32'
shm_att='LOW'
else
case "$uname" in
*/uname)
case "`uname -m`" in
ACS??68*)
echo "Oh, an Altos 3068."
shm_for='Altos 3068:'
shm_lim='0x800000'
;;
esac
;;
*)
echo "Looks normal to me..."
;;
esac
fi

```

```

dflt="$shm_for"
rp='Description of shared memory configuration?'
./myread
shm_for="$ans"

dflt="$shm_att"
rp='Where should shared memory be attached?'
./myread
shm_att="$ans"

case "$shm_att" in
HIGH)
dflt="$shm_lim"
rp='What is
the upper address limit for shared memory?'
./myread
shm_lim="$ans"
;;
*)
shm_lim=""
;;
esac
;;

*)
echo "but you aren't using shared memory so I won't bother." >&4
shm_for='NOT CONFIGURED'
shm_att='NONE'
shm_lim='-1'
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/shm_for.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_sysfile.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
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```

```
?RCS:
```

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```

```
?RCS:
```

```
?RCS: $Log: i_sysfile.U,v $
```

```

?RCS: Revision 3.0.1.2 1995/07/25 14:11:36 ram
?RCS: patch56: removed <> characters from comment, per metalint suggestion
?RCS:
?RCS: Revision 3.0.1.1 1993/08/25 14:01:23 ram
?RCS: patch6: added default for i_sysfile
?RCS:
?RCS: Revision 3.0 1993/08/18 12:08:31 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:i_sysfile: h_sysfile Inhdr Setvar
?MAKE: -pick add $@ %<
?S:i_sysfile:
?S: This variable conditionally defines
the I_SYS_FILE symbol, and indicates
?S: whether a C program should include <sys/file.h> to get R_OK and friends.
?S:.
?C:I_SYS_FILE (I_SYSFILE):
?C: This symbol, if defined, indicates to the C program that it should
?C: include <sys/file.h> to get definition of R_OK and friends.
?C:.
?H:#$i_sysfile I_SYS_FILE /**/
?H:.
?T:val
?D:i_sysfile="
?LINT:change h_sysfile
?LINT:set i_sysfile
: see if this is a sys/file.h system
val="
set sys/file.h val
eval $inhdr

: do we need to include sys/file.h ?
case "$val" in
"$define")
echo " "
if $h_sysfile; then
val="$define"
echo "We'll be including <sys/file.h>." >&4
else
val="$undef"
echo "We won't be including <sys/file.h>." >&4
fi
;;
*)
h_sysfile=false
;;
esac
set i_sysfile

```

eval \$setvar

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_sysfile.U

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?RCS: \$Id\$

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_msg.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:37 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_msg: test d\_msgctl d\_msgget d\_msgsnd d\_msgrcv Setvar Findhdr osname

?MAKE: -pick add \$@ %<

?S:d\_msg:

?S: This variable conditionally defines the HAS\_MSG symbol, which

?S: indicates that the entire msg\*(2) library is present.

?S:.

?C:HAS\_MSG:

?C: This symbol, if defined, indicates that the entire msg\*(2) library is

?C: supported (IPC mechanism based on message queues).

?C:.

?H:#\$d\_msg

HAS\_MSG /\*\*/

?H:.

?T:h\_msg

?LINT:set d\_msg

: see how much of the 'msg\*(2)' library is present.

h\_msg=true

echo " "

case "\$d\_msgctl\$d\_msgget\$d\_msgsnd\$d\_msgrcv" in

\*"\$undef"\*) h\_msg=false;;

esac

case "\$osname" in

freebsd)

case "`ipcs 2>&1`" in

"SVID messages"\*"not configured"\*)

echo "Your \$osname does not have the msg\*(2) configured." >&4

h\_msg=false

```

val="$undef"
set msgctl d_msgctl
eval $setvar
set msgget d_msgget
eval $setvar
set msgsnd d_msgsnd
eval $setvar
set msgrcv d_msgrcv
eval $setvar
;;
esac
;;
esac
: we could also check for sys/ipc.h ...
if $h_msg && $test `./findhdr sys/msg.h`; then
echo "You have the full msg*(2) library." >&4
val="$define"
else
echo "You don't have the full msg*(2) library." >&4
val="$undef"
fi
set d_msg
eval $setvar

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_msg.U
```

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?RCS:

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?RCS:

?MAKE:d\_inetntop: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_inetntop:

?S: This variable conditionally defines the HAS\_INETNTOP symbol,

?S: which indicates to the C program that the inet\_ntop() function

?S: is available.

?S:.

?C:HAS\_INETNTOP:

?C: This symbol, if defined, indicates that the inet\_ntop() function

?C: is available to parse IPv4 and IPv6 strings.

?C:.

?H:#\$d\_inetntop HAS\_INETNTOP /\*\*/



```
?H:
?LINT:set d_inetntop
: see if inet_ntop exists
set inet_ntop d_inetntop
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_inetntop.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_niin.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
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```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: i_niin.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:08:24 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?X:
```

```
?X: This unit looks wether <netinet/in.h> is available or not
```

```
?X:
```

```
?MAKE:i_niin i_sysin: Inhdr
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_niin:
```

```
?S: This variable conditionally defines I_NETINET_IN, which indicates
```

```
?S: to the C program that it should include <netinet/in.h>. Otherwise,
```

```
?S: you may try <sys/in.h>.
```

```
?S:.
```

```
?S:i_sysin:
```

```
?S: This variable conditionally
```

```
defines I_SYS_IN, which indicates
```

```
?S: to the C program that it should include <sys/in.h> instead of
```

```
?S: <netinet/in.h>.
```

```
?S:.
```

```
?C:I_NETINET_IN:
```

```
?C: This symbol, if defined, indicates to the C program that it should
```

```
?C: include <netinet/in.h>. Otherwise, you may try <sys/in.h>.
```

```
?C:.
```

```
?C:I_SYS_IN (I_SYSIN):
```

```
?C: This symbol, if defined, indicates to the C program that it should
```

```
?C: include <sys/in.h> instead of <netinet/in.h>.
```

```
?C:
?H:#$i_niin I_NETINET_IN /**/
?H:#$i_sysin I_SYS_IN /**/
?H:
?LINT:set i_niin i_sysin
: see if this is a netinet/in.h or sys/in.h system
set netinet/in.h i_niin sys/in.h i_sysin
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_niin.U
```

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```
?RCS: $Id$
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: yacc.U,v $
?RCS: Revision 3.0.1.1 1994/05/13 15:28:48 ram
?RCS: patch27: added byacc as another alternative (ADO)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:10:03 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:yacc yaccflags: Guess Myread Loc Oldconfig byacc bison cat test
?MAKE: -pick add $@ %<
?S:yacc:
?S: This variable holds the name of the compiler compiler we
?S: want to use in the Makefile. It can be yacc, byacc, or bison -y.
?S:
?S:yaccflags:
?S: This variable contains any
additional yacc flags desired by the
?S: user. It is up to the Makefile to use this.
?S:
?T:comp
: determine compiler compiler
echo " "
comp='yacc'
if $test -f "$byacc$_exe"; then
comp="byacc or $comp"
```

```

fi
if $test -f "$bison$_exe"; then
  comp="$comp or bison -y"
fi
case "$yacc" in
")
  yacc=`./loc yacc yacc $pth`
  if $test -f "$yacc$_exe"; then
    dflt='yacc'
  elif $test -f "$byacc$_exe"; then
    dflt='byacc'
  elif $test -f "$bison$_exe"; then
    dflt='bison'
  else
    dflt=""
  fi
  ;;
*) dflt="$yacc";;
esac
rp="Which compiler compiler ($comp) shall I use?"
./myread
yacc="$ans"
case "$yacc" in
*bis*)
  case "$yacc" in
*_y*) ;;
*)
  yacc="$yacc -y"
  echo "(Adding -y option to bison to get yacc-compatible behaviour.)"
  ;;
esac
;;
esac

@if yaccflags
: see if we need extra yacc flags
dflt="$yaccflags"
case "$dflt" in
") dflt=none;;
esac
$cat <<EOH

```

Your yacc program may need extra flags to normally process the parser sources. Do NOT specify any -d or -v flags here, since those are explicitly known by the various Makefiles. However, if your machine has strange/undocumented options (like -Sr# on SCO to specify the maximum number of grammar rules), then please add them here. To use no flags, specify the word "none".

```
EOH
rp="Any additional yacc flags?"
. ./myread
case "$ans" in
none) yaccflags="";;
*) yaccflags="$ans";;
esac

@end
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/yacc.U
```

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```
?RCS: $Id: d_sethent.U,v 3.0 1993/08/18 12:06:09 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
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?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: d_sethent.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:09 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_sethent: Inlibc
?MAKE: -pick add $@ %<
?S:d_sethent:
?S: This variable conditionally defines HAS_SETHOSTENT if sethostent() is
?S: available.
?S:.
?C:HAS_SETHOSTENT:
?C: This symbol, if defined, indicates that the sethostent() routine is
?C: available.
?C:.
?H:#$d_sethent HAS_SETHOSTENT /**/
?H:.
?LINT:set d_sethent
: see if sethostent exists
set
sethostent d_sethent
eval $inlibc
```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_venth.U

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?RCS: of the source tree for dist 4.0.

?RCS:

?MAKE:d\_dup3: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_dup3:

?S: This variable conditionally defines HAS\_DUP3 if dup3() is

?S: available to duplicate file descriptors.

?S:.

?C:HAS\_DUP3:

?C: This symbol, if defined, indicates that the dup3 routine is

?C: available to duplicate file descriptors.

?C:.

?H:#\$d\_dup3 HAS\_DUP3 /\*\*/

?H:.

?LINT:set d\_dup3

: see if dup3 exists

set dup3 d\_dup3

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_dup3.U

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?RCS: \$Id: d\_shmget.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_shmget.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:20 ram

?RCS: Baseline for dist 3.0 netwide release.

```

?RCS:
?MAKE:d_shmget: Inlibc
?MAKE: -pick add $@ %<
?S:d_shmget:
?S: This variable conditionally defines the HAS_SHMGET symbol, which
?S: indicates to the C program that the shmget() routine is available.
?S:.
?C:HAS_SHMGET:
?C: This symbol, if defined, indicates that the shmget() routine is
?C: available to request a shared memory segment from
the kernel.
?C:.
?H:#$d_shmget HAS_SHMGET /**/
?H:.
?LINT:set d_shmget
: see if shmget exists
set shmget d_shmget
eval $inlibc

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_shmget.U

```

No license file was found, but licenses were detected in source scan.

```

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?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:dtraceobject dtracexnolibs: usedtrace dtrace cc cflags optimize \
Compile cat rm_try
?MAKE: -pick add $@ %<
?S:dtraceobject:
?S: Whether we need to build an object file with the dtrace tool.
?S:.
?S:dtracexnolibs:
?S: Whether dtrace accepts -xnolibs. If available we call dtrace -h
?S: and dtrace -G with -xnolibs to allow dtrace to run in a jail on
?S: FreeBSD.
?S:.
?F: !perltrace.h
?T:xnolibs
: Probe whether dtrace builds an object, as newer Illumos requires an input
: object file that uses at least one of the probes defined in the .d file
case "$usedtrace" in
$define)
case "$dtracexnolibs" in
$define|true|[yY]*)

```

```

    dtracexnolib=$define
$dtrace -h -xnolib -s ../perldtrace.d -o perldtrace.h
;;
' |")
    if $dtrace -h -xnolib -s ../perldtrace.d -o perldtrace.h 2>&1 ; then
    dtracexnolib=$define
    echo "Your dtrace accepts -xnolib"
elif $dtrace -h -s ../perldtrace.d -o perldtrace.h 2>&1 ; then
    dtracexnolib=$undef
    echo "Your dtrace doesn't accept -xnolib"
else
    echo "Your dtrace doesn't work at all, try building without dtrace support" >&4
    exit 1
fi
;;
*)
    dtracexnolib=$undef
$dtrace -h -s ../perldtrace.d -o perldtrace.h
;;
esac
case $dtracexnolib in
$define) xnolib=-xnolib ;;
*) xnolib= ;;
esac

case "$dtraceobject" in
$define|true|[yY]*)
    dtraceobject=$define
    ;;
' |")
    $cat >try.c <<EOM
#include "perldtrace.h"
int main(void) {
    PERL_LOADED_FILE("dummy");
    return 0;
}
EOM
    dtraceobject=$undef
    if $cc -c -o try.o $optimize $ccflags try.c \
        && $dtrace -G $xnolib -s ../perldtrace.d try.o >/dev/null 2>&1; then

        dtraceobject=$define
        echo "Your dtrace builds an object file"
    fi
    ;;
*) dtraceobject=$undef ;;
esac
$rm_try perldtrace.o perldtrace.h

```

esac

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/dtraceobject.U

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?RCS: \$Id\$

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_timegm: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_timegm:

?S: This variable conditionally defines the HAS\_TIMEGM symbol, which

?S: indicates to the C program that the timegm () routine is available.

?S:.

?C:HAS\_TIMEGM:

?C: This symbol, if defined, indicates that the timegm routine is

?C: available to do the opposite of gmtime ()

?C:.

?H:#\$d\_timegm HAS\_TIMEGM /\*\*/

?H:.

?LINT:set d\_timegm

: see if timegm exists

set timegm d\_timegm

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_timegm.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_su\_chown.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_su\_chown.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:40 ram



```

?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_su_chown: Csym Setvar
?MAKE: -pick add $@ %<
?S:d_su_chown (d_rootchown):
?S: This variable conditionally defines the SU_CHOWN symbol, which
?S: indicates to the C program that only root can chown() the owner
?S: of a file.
?S:.
?C:SU_CHOWN (ROOT_CHOWN):
?C: This symbol, if defined, indicates that the system allows only root
?C: can
change the owner of a file with chown().
?C:.
?H:#$d_su_chown SU_CHOWN /**/
?H:.
?LINT:set d_su_chown
: see if 'chown()' is restricted.
: but not too hard, as it is late and I am tired. -- HMS
echo " "
if set setreuid val -f d_su_chown; eval $csym; $val; then
echo 'It looks like only root can chown() the owner of a file.' >&4
val="$define"
else
echo 'It looks like root or the owner can chown() a file away.' >&4
val="$undef"
fi
set d_su_chown
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_su_chown.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: sitearch.U,v 3.1 1999/07/08 18:32:29 doughera Exp doughera $

```

```

?RCS:

```

```

?RCS: Copyright (c) 1996-1998, Andy Dougherty

```

```

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

```

```

?RCS:

```

```

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```

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```

```

?RCS: of the source tree for dist 3.0.

```

```

?RCS:

```

```

?RCS: $Log: sitearch.U,v $

```

```

?RCS: Revision 3.1 1999/07/08 18:32:29 doughera

```

?RCS: Updated for perl5.005\_5x  
?RCS:  
?RCS: Revision 3.0.1.1 1997/02/28 16:21:30 ram  
?RCS: patch61: created  
?RCS:  
?MAKE:sitearch sitearchexp installsitearch d\_sitearch: cat sed Getfile \  
Oldconfig Setprefixvar Prefixit test archname sitelib  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?D:sitearch="  
?S:sitearch:  
?S: This variable contains the eventual  
value of the SITEARCH symbol,  
?S: which is the name of the private library for this package. It may  
?S: have a ~ on the front. It is up to the makefile to eventually create  
?S: this directory while performing installation (with ~ substitution).  
?S: The standard distribution will put nothing in this directory.  
?S: After perl has been installed, users may install their own local  
?S: architecture-dependent modules in this directory with  
?S: MakeMaker Makefile.PL  
?S: or equivalent. See INSTALL for details.  
?S:.  
?D:sitearchexp="  
?S:sitearchexp:  
?S: This variable is the ~name expanded version of sitearch, so that you  
?S: may use it directly in Makefiles or shell scripts.  
?S:.  
?D:installsitearch="  
?S:installsitearch:  
?S: This variable is really the same as sitearchexp but may differ on  
?S: those systems using AFS. For extra portability, only this variable  
?S: should be used in makefiles.  
?S:.  
?D:d\_sitearch="  
?S:d\_sitearch:  
?S: This variable conditionally defines SITEARCH to hold the  
pathname  
?S: of architecture-dependent library files for \$package. If  
?S: \$sitearch is the same as \$archlib, then this is set to undef.  
?S:.  
?C:SITEARCH:  
?C: This symbol contains the name of the private library for this package.  
?C: The library is private in the sense that it needn't be in anyone's  
?C: execution path, but it should be accessible by the world. The program  
?C: should be prepared to do ~ expansion.  
?C: The standard distribution will put nothing in this directory.  
?C: After perl has been installed, users may install their own local  
?C: architecture-dependent modules in this directory with

```

?C: MakeMaker Makefile.PL
?C: or equivalent. See INSTALL for details.
?C:.
?C:SITEARCH_EXP:
?C: This symbol contains the ~name expanded version of SITEARCH, to be used
?C: in programs that are not prepared to deal with ~ expansion at run-time.
?C:.
?H:#$d_sitearch SITEARCH "$sitearch" /**/
?H:#$d_sitearch SITEARCH_EXP "$sitearchexp" /**/
?H:.
?LINT:change prefixvar
?LINT:set installsitearch
?LINT:set
sitearch
?LINT:set sitearchexp
: determine where site specific architecture-dependent libraries go.
: sitelib default is /usr/local/lib/perl5/site_perl/$version
: sitearch default is /usr/local/lib/perl5/site_perl/$version/$archname
: sitelib may have an optional trailing /share.
case "$sitearch" in
") dflt=`echo $sitelib | $sed 's,/share$,,'`
dflt="$dflt/$archname"
;;
*) dflt="$sitearch"
;;
esac
set sitearch sitearch none
eval $prefixit
$cat <<EOM

```

The installation process will also create a directory for architecture-dependent site-specific extensions and modules.

```

EOM
fn=d~+
rp='Pathname for the site-specific architecture-dependent library files?'
./getfile
prefixvar=sitearch
./setprefixvar
if $test X"$sitearch" = X"$sitelib"; then
d_sitearch="$undef"
else
d_sitearch="$define"
fi

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/sitearch.U

```

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?RCS: of the source tree for dist 4.0.

?RCS:

?MAKE:d\_pipe2: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_pipe2:

?S: This variable conditionally defines the HAS\_PIPE2 symbol, which

?S: indicates to the C program that the pipe2() routine is available

?S: to create an inter-process channel.

?S:.

?C:HAS\_PIPE2:

?C: This symbol, if defined, indicates that the pipe2 routine is

?C: available to create an inter-process channel.

?C:.

?H:#\$d\_pipe2 HAS\_PIPE2 /\*\*/

?H:.

?LINT:set d\_pipe2

: see if pipe2 exists

set pipe2 d\_pipe2

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_pipe2.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_wait3.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_wait3.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:01 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_wait3: Inlibc

?MAKE: -pick add \$@ %<  
?S:d\_wait3:  
?S: This variable conditionally defines the HAS\_WAIT3 symbol, which  
?S: indicates to the C program that the wait3() subroutine exists.  
?S:.  
?C:HAS\_WAIT3:  
?C: This symbol, if defined, indicates that the wait3() subroutine  
?C: exists.  
?C:.  
?H:#\$d\_wait3 HAS\_WAIT3 /\*\*/  
?H:.  
?LINT:set d\_wait3  
:  
  see if 'wait3()' exists  
set wait3 d\_wait3  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_wait3.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_static\_inline.U,v \$  
?RCS:  
?RCS: Copyright (c) 2010 Andrew Dougherty  
?RCS:  
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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafayette.edu>  
?RCS:  
?MAKE:d\_static\_inline perl\_static\_inline: Compile Setvar gccversion \  
  cat echo run hint rm rm\_try  
?MAKE: -pick add \$@ %<  
?S:d\_static\_inline:  
?S: This variable conditionally defines the HAS\_STATIC\_INLINE symbol,  
?S: which indicates that the C compiler supports C99-style static  
?S: inline. That is, the function can't be called from another  
?S: translation unit.  
?S:.  
?S:perl\_static\_inline:  
?S: This variable defines the PERL\_STATIC\_INLINE  
  symbol to  
?S: the best-guess incantation to use for static inline functions.  
?S: Possibilities include

```

?S: static inline    (c99)
?S: static __inline__ (gcc -ansi)
?S: static __inline   (MSVC)
?S: static _inline    (older MSVC)
?S: static            (c89 compilers)
?S:.
?C:HAS_STATIC_INLINE :
?C: This symbol, if defined, indicates that the C compiler supports
?C: C99-style static inline. That is, the function can't be called
?C: from another translation unit.
?C:.
?C:PERL_STATIC_INLINE:
?C: This symbol gives the best-guess incantation to use for static
?C: inline functions. If HAS_STATIC_INLINE is defined, this will
?C: give C99-style inline. If HAS_STATIC_INLINE is not defined,
?C: this will give a plain 'static'. It will always be defined
?C: to something that gives static linkage.
?C: Possibilities include
?C: static inline    (c99)
?C: static __inline__ (gcc -ansi)
?C: static __inline   (MSVC)
?C: static _inline    (older MSVC)
?C: static
?C:      (c89 compilers)
?C:.
?H:#$d_static_inline HAS_STATIC_INLINE /**/
?H:#define PERL_STATIC_INLINE $perl_static_inline /**/
?H:.
?LINT:set d_static_inline
?T:inline xxx
?F:!try
: see what flavor, if any, of static inline is supported
echo " "
echo "Checking to see if your system supports static inline..."
?X: Build two programs. The first uses static inline in file a.c and
?X: should work. The second also includes b.c which tries to link against
?X: the static function in a.c. This should fail.
?X:.
$cat > try.c <<'EOCP'
#include <stdlib.h>
extern int f_via_a(int x);
extern int f_via_b(int x);
int main(int argc, char **argv)
{
    int y;

    y = f_via_a(0);
#ifdef USE_B

```

```

    y = f_via_b(0);
#endif
    if (y == 42) {
        return EXIT_SUCCESS;
    }
    else {
        return EXIT_FAILURE;
    }
}
EOCP
$cat > a.c <<'EOCP'
static INLINE int f(int x) {
    int y;
    y = x + 42;
    return y;
}

```

```

int f_via_a(int x)
{
    return f(x);
}

```

```

EOCP
$cat > b.c <<'EOCP'
extern int f(int x);

```

```

int
f_via_b(int x)
{
    return f(x);
}

```

```
EOCP
```

```
# Respect a hint (or previous) value for perl_static_inline, if there is one.
```

```
case "$perl_static_inline" in
```

```
) # Check the various possibilities, and break out on success.
```

```
# For gcc, prefer __inline__, which will still permit
```

```
# cflags.SH to add in -ansi.
```

```
case "$gccversion" in
```

```
) xxx="__inline__ __inline__ inline __inline__";
```

```
*) xxx="__inline__ inline __inline__ inline";
```

```
esac
```

```
for inline in $xxx; do
```

```
set try -DINLINE=$inline a.c
```

```
if eval $compile && $run ./try; then
```

```
# Now make sure there is no external linkage of static
```

```
# functions
```

```
set try -DINLINE=$inline -DUSE_B a.c b.c
```

```
if eval $compile && $run ./try; then
```

```

$echo "Your compiler supports static $inline, " >&4
$echo "but it also creates an external definition," >&4
$echo "so I won't use it." >&4
val=$undef
else
$echo "Your compiler supports static $inline." >&4
val=$define
perl_static_inline="static $inline";
break;
fi
else
$echo
"Your compiler does NOT support static $inline." >&4
val="$undef"
fi
done
;;
*inline*) # Some variant of inline exists.
echo "Keeping your $hint value of $perl_static_inline."
val=$define
;;
static) # No inline capabilities
echo "Keeping your $hint value of $perl_static_inline."
val=$undef
;;
*) # Unrecognized previous value -- blindly trust the supplied
# value and hope it makes sense. Use old value for
# d_static_inline, if there is one.
echo "Keeping your $hint value of $perl_static_inline."
case "$d_static_inline" in
") val=$define ;;
*) val=$d_static_inline ;;
esac
;;
esac
# Fallback to plain 'static' if nothing worked.
case "$perl_static_inline" in
")
perl_static_inline="static"
val=$undef
;;
esac
set d_static_inline
eval $setvar
$rm -f a.[co] b.[co]
$rm_try

```

Found in path(s):



\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d\_static\_inline.U

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?RCS: \$Id: i\_whoami.U 1 2006-08-24 12:32:52Z rmanfredi \$

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_whoami.U,v \$

?RCS: Revision 3.0.1.1 1993/08/25 14:02:21 ram

?RCS: patch6: added default for i\_whoami

?RCS:

?RCS: Revision 3.0 1993/08/18 12:08:50 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:i\_whoami: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_whoami (d\_whoami):

?S: This variable conditionally defines the I\_WHOAMI symbol, which

?S: indicates to the C program that it should include <whoami.h>.

?S:.

?C:I\_WHOAMI (WHOAMI):

?C: This symbol,

if defined, indicates that the program may include

?C: <whoami.h>.

?C:.

?H:#\$i\_whoami I\_WHOAMI /\*\*/

?H:.

?D:i\_whoami="

?LINT:set i\_whoami

: see if there is a whoami.h file

set whoami.h i\_whoami

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_whoami.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

```

?RCS:
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_closedir.U,v $
?RCS: Revision 3.0.1.3 1997/02/28 15:31:26 ram
?RCS: patch61: added ?F: metalint hint
?RCS:
?RCS: Revision 3.0.1.2 1994/10/29 16:11:18 ram
?RCS: patch36: added 'ldflags' to the test compile line (ADO)
?RCS:
?RCS: Revision 3.0.1.1 1994/08/29 16:07:21 ram
?RCS: patch32: created by ADO
?RCS:
?MAKE:d_closedir d_void_closedir: Inlibc i_dirent i_sysdir i_sysndir \
cc cflags ldflags libs Setvar rm
?MAKE: -pick
add $@ %<
?S:d_closedir:
?S: This variable conditionally defines HAS_CLOSEDIR if closedir() is
?S: available.
?S:.
?C:HAS_CLOSEDIR:
?C: This symbol, if defined, indicates that the closedir() routine is
?C: available.
?C:.
?H:#$d_closedir HAS_CLOSEDIR /**/
?H:.
?S:d_void_closedir:
?S: This variable conditionally defines VOID_CLOSEDIR if closedir()
?S: does not return a value.
?S:.
?C:VOID_CLOSEDIR:
?C: This symbol, if defined, indicates that the closedir() routine
?C: does not return a value.
?C:.
?H:#$d_void_closedir VOID_CLOSEDIR /**/
?H:.
?F:!closedir
?LINT:set d_closedir d_void_closedir
: see if closedir exists
set closedir d_closedir
eval $inlibc

```

```

@if VOID_CLOSEDIR || d_void_closedir
?X: The following contortions are designed so we can call closedir()
?X: and check whether it returns a value. The contortions are designed
?X: to portably pick up the correct directory header, for those
?X: systems that support various mutually incompatible directory functions.
?X: This
is from perl5's perl.h
case "$d_closedir" in
"$define")
echo " "
echo "Checking whether closedir() returns a status..." >&4
cat > closedir.c <<EOM
#$i_dirent I_DIRENT /**/
#$i_sysdir I_SYS_DIR /**/
#$i_sysndir I_SYS_NDIR /**/

#if defined(I_DIRENT)
#include <dirent.h>
#if defined(NeXT) && defined(I_SYS_DIR) /* NeXT needs dirent + sys/dir.h */
#include <sys/dir.h>
#endif
#else
#ifdef I_SYS_NDIR
#include <sys/ndir.h>
#else
#ifdef I_SYS_DIR
#ifdef hp9000s500
#include <ndir.h> /* may be wrong in the future */
#else
#include <sys/dir.h>
#endif
#endif
#endif
#endif
int main() { return closedir(opendir(".")); }
EOM
if $cc $ccflags $ldflags -o closedir closedir.c $libs > /dev/null 2>&1; then
if ./closedir > /dev/null 2>&1 ; then
echo "Yes, it does."
val="$undef"
else
echo "No, it doesn't."
val="$define"
fi
else
echo "(I can't seem to compile the test program--assuming it doesn't)"
val="$define"

```

```
fi
;;
*)
val="$sundef";
;;
esac
set d_void_closedir
eval $setvar
$rm
-f closedir*
@end
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_closedir.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_castneg.U,v \$

?RCS: Revision 3.0.1.2 1995/05/12 12:11:21 ram

?RCS: patch54: made sure cc and cflags are conditional dependencies

?RCS: patch54: added improved test case for Interactive Unix

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 16:10:50 ram

?RCS: patch36: don't forget to tell user about compilation failures (ADO)

?RCS: patch36: declare signal handler correctly using 'signal\_t' (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:47 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: Can

the compiler cast negative / odd floats to unsigned values.

?X:

?MAKE:d\_castneg castflags: cat +cc +cflags rm\_try Setvar signal\_t

?MAKE: -pick add \$@ %<

?S:d\_castneg:

?S: This variable conditionally defines CASTNEG, which indicates

?S: whether the C compiler can cast negative float to unsigned.

```

?S:.
?S:castflags:
?S: This variable contains a flag that precise difficulties the
?S: compiler has casting odd floating values to unsigned long:
?S: 0 = ok
?S: 1 = couldn't cast < 0
?S: 2 = couldn't cast >= 0x80000000
?S: 4 = couldn't cast in argument expression list
?S:.
?C:CASTNEGFloat:
?C: This symbol is defined if the C compiler can cast negative
?C: numbers to unsigned longs, ints and shorts.
?C:.
?C:CASTFLAGS:
?C: This symbol contains flags that say what difficulties the compiler
?C: has casting odd floating values to unsigned long:
?C: 0 = ok
?C: 1 = couldn't cast < 0
?C: 2 = couldn't cast >= 0x80000000
?C: 4 = couldn't cast in argument expression list
?C:.
?H:#$d_castneg CASTNEGFloat /**/
?H:#define
    CASTFLAGS $castflags /**/
?H:.
?F:!try
?LINT:set d_castneg
: check for ability to cast negative floats to unsigned
echo " "
echo 'Checking whether your C compiler can cast negative float to unsigned.' >&4
$cat >try.c <<EOCP
#include <sys/types.h>
#include <signal.h>
$signal_t blech() { exit(7); }
$signal_t blech_in_list() { exit(4); }
unsigned long dummy_long(p) unsigned long p; { return p; }
unsigned int dummy_int(p) unsigned int p; { return p; }
unsigned short dummy_short(p) unsigned short p; { return p; }
int main()
{
    double f = -123.;
    unsigned long along;
    unsigned int aint;
    unsigned short ashort;
    int result = 0;

    signal(SIGFPE, blech);
    along = (unsigned long)f;

```

```

aint = (unsigned int)f;
ashort = (unsigned short)f;
if (along != (unsigned long)-123)
    result |= 1;
if (aint != (unsigned int)-123)
    result |= 1;
if (ashort != (unsigned short)-123)
    result |= 1;
f = (double)0x40000000;
f = f + f;
along = 0;
along = (unsigned long)f;
if
(along != 0x80000000)
    result |= 2;
f -= 1.;
along = 0;
along = (unsigned long)f;
if (along != 0x7fffffff)
    result |= 1;
f += 2.;
along = 0;
along = (unsigned long)f;
if (along != 0x80000001)
    result |= 2;
if (result)
    exit(result);

```

?X:

?X: The following is a test for Interactive Unix Version 4.1, which

?X: has an 'improved' compiler which can correctly cast negative

?X: floats in expression lists, but apparently not in argument lists.

?X: Contributed by Winfried Koenig <win@incom.rhein-main.de>

?X:

```

signal(SIGFPE, blech_in_list);
f = 123.;
along = dummy_long((unsigned long)f);
aint = dummy_int((unsigned int)f);
ashort = dummy_short((unsigned short)f);
if (along != (unsigned long)123)
    result |= 4;
if (aint != (unsigned int)123)
    result |= 4;
if (ashort != (unsigned short)123)
    result |= 4;
exit(result);

```

}

EOCP

```

if $cc $ccflags -o try try.c >/dev/null 2>&1; then
    ./try
    castflags=$?
else
    echo "(I can't seem to compile the test program--assuming it can't)"
    castflags=7
fi
case
"$castflags" in
0) val="$define"
    echo "Yup, it can."
    ;;
*) val="$undef"
    echo "Nope, it can't."
    ;;
esac
set d_castneg
eval $setvar
$rm_try

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_castneg.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:uselargefiles \

ccflags\_uselargefiles \

ldflags\_uselargefiles \

libswanted\_uselargefiles: \

Myread Oldconfig Setvar test lseeksize fposize \

fpostype Compile echo n c cat lseektype rm\_try run \

use64bitint use64bitall i\_stdlib

?MAKE: -pick add \$@ %<

?Y:TOP

?S:uselargefiles:

?S: This variable conditionally defines the USE\_LARGE\_FILES symbol,

?S: and indicates that large file interfaces should be used when

?S: available.

?S:.

?S:ccflags\_uselargefiles:

?S: This variable contains the compiler flags needed by large file builds

```

?S: and added to ccflags by hints files.
?S:.
?S:ldflags_uselargefiles:
?S: This variable contains the loader flags needed by large file builds
?S: and added to ldflags by
?S: hints files.
?S:.
?S:libswanted_uselargefiles:
?S: This variable contains the libraries needed by large file builds
?S: and added to ldflags by hints files. It is a space separated list
?S: of the library names without the "lib" prefix or any suffix, just
?S: like libswanted..
?S:.
?C:USE_LARGE_FILES:
?C: This symbol, if defined, indicates that large file support
?C: should be used when available.
?C:.
?H:?%<:#ifndef USE_LARGE_FILES
?H:?%<:#$uselargefiles USE_LARGE_FILES /**/
?H:?%<:#endif
?H:.
?INIT:ccflags_uselargefiles="
?INIT:ldflags_uselargefiles="
?INIT:libswanted_uselargefiles="
?T:yyy zzz
?F:!uselargefiles.cbu !try
?LINT:change lseeksize
?LINT:change fpossize
?LINT:extern usefs
?LINT:use use64bitint
?LINT:use use64bitall
: Check for large file support
# Backward compatibility (usefs is deprecated).
case "$usefs" in
"$define"|true|[yY]*)
cat <<EOM >&4

*** Configure -Dusefs is deprecated, using -Duselargefiles instead.
EOM
uselargefiles="$define"
;;
esac

case "$lseeksize:$fpossize"
in
8:8) cat <<EOM

```

You can have files larger than 2 gigabytes.



```

EOM
val="$define" ;;
*) case "$uselargefiles" in
"$undef"|false|[nN]*) dflt='n' ;;
*) dflt='y' ;;
esac
cat <<EOM

```

Perl can be built to understand large files (files larger than 2 gigabytes) on some systems. To do so, Configure can be run with `-Duselargefiles`.

If this doesn't make any sense to you, just accept the default '\$dflt'.

```

EOM
rp="Try to understand large files, if available?"
./myread
case "$ans" in
y|Y) val="$define" ;;
*) val="$undef" ;;
esac
;;
esac
set uselargefiles
eval $setvar
: Look for a hint-file generated 'call-back-unit'. If the
: user has specified that a large files perl is to be built,
: we may need to set or change some other defaults.
if $test -f uselargefiles.cbu; then
echo "Your platform has some specific hints regarding large file builds, using them..."
./uselargefiles.cbu
fi
case "$uselargefiles" in
"$define")
if $test -f uselargefiles.cbu;
then
echo " "
echo "Rechecking to see how big your file offsets are..." >&4
$cat >try.c <<EOCP
#include <sys/types.h>
#include <stdio.h>
int main()
{
printf("%d\n", (int)sizeof($lseektype));
return(0);
}
EOCP
set try
if eval $compile_ok; then
lseeksize=`$run ./try`

```

```

$echo "Your file offsets are now $lseeksize bytes long."
else
dflt="$lseeksize"
echo " "
echo "(I can't seem to compile the test program. Guessing...)"
rp="What is the size of your file offsets (in bytes)?"
./myread
lseeksize="$ans"
fi
case "$fpostype" in
*_t) zzz="$fpostype" ;;
*) zzz="fpos_t" ;;
esac
$echo $n "Rechecking the size of $zzz...$c" >&4
$cat > try.c <<EOCP
#include <sys/types.h>
#include <stdio.h>
#ifdef I_STDLIB
#include <stdlib.h>
#endif
int main() {
    printf("%d\n", (int)sizeof($fpostype));
    return(0);
}
EOCP
set try
if eval $compile_ok; then
yyy=`$run ./try`
dflt="$lseeksize"
case "$yyy" in
") echo
" "
echo "(I can't execute the test program--guessing $fpossize.)" >&4
;;
*) fpossize=$yyy
echo " $fpossize bytes." >&4
;;
esac
else
dflt="$fpossize"
echo " "
echo "(I can't compile the test program. Guessing...)" >&4
rp="What is the size of your file positions (in bytes)?"
./myread
fpossize="$ans"
fi
$rm_try

```

```
fi
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/uselfs.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_getservent_r.U,v 0RCS:
```

```
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.
```

```
?RCS:
```

```
?MAKE:d_getservent_r getservent_r_proto: Inlibc Protochk Hasproto i_systypes \  
  usethreads i_netdb extern_C
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_getservent_r:
```

```
?S: This variable conditionally defines the HAS_GETSERVENT_R symbol,
```

```
?S: which indicates to the C program that the getservent_r()
```

```
?S: routine is available.
```

```
?S:.
```

```
?S:getservent_r_proto:
```

```
?S: This variable encodes the prototype of getservent_r.
```

```
?S: It is zero if d_getservent_r is undef, and one of the
```

```
?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_getservent_r
```

```
?S: is defined.
```

```
?S:.
```

```
?C:HAS_GETSERVENT_R:
```

```
?C: This symbol, if defined, indicates that the getservent_r routine
```

```
?C: is
```

```
  available to getservent re-entrantly.
```

```
?C:.
```

```
?C:GETSERVENT_R_PROTO:
```

```
?C: This symbol encodes the prototype of getservent_r.
```

```
?C: It is zero if d_getservent_r is undef, and one of the
```

```
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_getservent_r
```

```
?C: is defined.
```

```
?C:.
```

```
?H:#$d_getservent_r HAS_GETSERVENT_R /**/
```

```
?H:#define GETSERVENT_R_PROTO $getservent_r_proto /**/
```

```
?H:.
```

```
?T:try hdrs d_getservent_r_proto
```

```
: see if getservent_r exists
```

```
set getservent_r d_getservent_r
```

```

eval $inlibc
case "$d_getservent_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_netdb netdb.h"
case "$d_getservent_r_proto:$usetthreads" in
":define") d_getservent_r_proto=define
set d_getservent_r_proto getservent_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_getservent_r_proto" in
define)
case "$getservent_r_proto" in
"|0) try='int getservent_r(struct servent*, char*, size_t, struct servent**);'
./protochk "$extern_C $try" $hdrs && getservent_r_proto=I_SBWR ;;
esac
case "$getservent_r_proto"
in
"|0) try='int getservent_r(struct servent*, char*, int);'
./protochk "$extern_C $try" $hdrs && getservent_r_proto=I_SBI ;;
esac
case "$getservent_r_proto" in
"|0) try='struct servent* getservent_r(struct servent*, char*, int);'
./protochk "$extern_C $try" $hdrs && getservent_r_proto=S_SBI ;;
esac
case "$getservent_r_proto" in
"|0) try='int getservent_r(struct servent*, struct servent_data*);'
./protochk "$extern_C $try" $hdrs && getservent_r_proto=I_SD ;;
esac
case "$getservent_r_proto" in
"|0) d_getservent_r=undef
getservent_r_proto=0
echo "Disabling getservent_r, cannot determine prototype." >&4 ;;
* ) case "$getservent_r_proto" in
REENTRANT_PROTO*) ;;
*) getservent_r_proto="REENTRANT_PROTO_$getservent_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usetthreads" in
define) echo "getservent_r has no prototype, not using it." >&4 ;;
esac
d_getservent_r=undef
getservent_r_proto=0
;;
esac
;;

```

```
*) getservent_r_proto=0
```

```
::
```

```
esac
```

Found

in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_getservent_r.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_select.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_select.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:07:02 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:d_select: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_select:
```

```
?S: This variable conditionally defines HAS_SELECT if select() is
```

```
?S: available to select active file descriptors. A <sys/time.h>
```

```
?S: inclusion may be necessary for the timeout field.
```

```
?S:.
```

```
?C:HAS_SELECT:
```

```
?C: This symbol, if defined, indicates that the select routine is
```

```
?C: available
```

```
to select active file descriptors. If the timeout field
```

```
?C: is used, <sys/time.h> may need to be included.
```

```
?C:.
```

```
?H:#$d_select HAS_SELECT /**/
```

```
?H:.
```

```
?LINT:set d_select
```

```
: see if select exists
```

```
set select d_select
```

```
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_select.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2019 Karl Williamson
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_towlower: Inlibc
?MAKE: -pick add $@ %<
?S:d_towlower:
?S: This variable conditionally defines the HAS_TOWLOWER symbol, which
?S: indicates to the C program that the towlower() routine is available.
?S:.
?C:HAS_TOWLOWER:
?C: This symbol, if defined, indicates that the towlower () routine is
?C: available to do case conversion.
?C:.
?H:#$d_towlower HAS_TOWLOWER /**/
?H:.
?LINT:set d_towlower
: see if towlower exists
set towlower d_towlower
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_towlower.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Head.U 6 2006-08-25 22:21:46Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Head.U,v $
?RCS: Revision 3.0.1.9 1997/02/28 15:02:09 ram
?RCS: patch61: make sure we unset CDPATH for shells that support this
?RCS: patch61: improved Korn shell detection and handling
?RCS:
?RCS: Revision 3.0.1.8 1995/07/25 13:40:02 ram
?RCS: patch56: added SVR4-ish /opt directories to path list (ADO)
```

?RCS: patch56: OS/2 platforms are using another path separator  
?RCS:  
?RCS: Revision 3.0.1.7 1995/03/21 08:46:15 ram  
?RCS: patch52: definition of  
paths wrongly added spurious ':' chars  
?RCS:  
?RCS: Revision 3.0.1.6 1994/10/29 15:54:19 ram  
?RCS: patch36: make sure ENV is unset before calling /bin/ksh  
?RCS:  
?RCS: Revision 3.0.1.5 1994/08/29 16:03:44 ram  
?RCS: patch32: now sets PATH only using existing directories  
?RCS:  
?RCS: Revision 3.0.1.4 1994/06/20 06:54:28 ram  
?RCS: patch30: now computes its invocation name into 'me'  
?RCS: patch30: symbol me is made visible to all units read-only  
?RCS:  
?RCS: Revision 3.0.1.3 1993/12/15 08:15:07 ram  
?RCS: patch15: added /sbin:/usr/sbin:/usr/libexec in PATH for BSD/386  
?RCS:  
?RCS: Revision 3.0.1.2 1993/11/10 17:32:35 ram  
?RCS: patch14: ensure PATH is reset to '.' before testing for alias  
?RCS:  
?RCS: Revision 3.0.1.1 1993/08/27 14:38:07 ram  
?RCS: patch7: not all 'test' programs support the -x option  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:04:58 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This is the very first unit in the Configure script. It is mostly just  
?X:  
things to keep people from getting into a tizzy right off the bat.  
?X:  
?MAKE:Head:  
?MAKE: -pick wipe \$@ %<  
?V:PATH p\_ \_exe me newsh  
?T:argv p paths OS2\_SHELL DJGPP  
?T:inksh needksh avoidksh newsh changesh reason  
?F:!\*  
?LINT:extern ENV CDPATH SHELL MACHTYPE \_exe is\_os2  
?LINT:change ENV CDPATH is\_os2  
?LINT:nocomment  
#!/bin/sh  
#  
# If these # comments don't work, trim them. Don't worry about any other  
# shell scripts, Configure will trim # comments from them for you.  
#  
# (If you are trying to port this package to a machine without sh,

```

# I would suggest you have a look at the prototypical config_h.SH file
# and edit it to reflect your system. Some packages may include samples
# of config.h for certain machines, so you might look for one of those.)
#
?X:
?X: NOTE THAT A CONFIGURE SCRIPT IS IN THE PUBLIC DOMAIN (whether or not
?X: the software which uses it is in the public domain).
?X:
# Yes, you may rip this off to use in other distribution packages. This
# script belongs to the public
# domain and cannot be copyrighted.
#
?X:
?X: WE ASK YOU NOT TO REMOVE OR ALTER THE FOLLOWING PARAGRAPH, PLEASE:
?X:
# Note: this Configure script was generated automatically by the tool
# called "metaconfig". Rather than working with this copy of Configure,
# you should use metaconfig. Perl uses a modified version of this
# tool, and this, together with the metaconfig units, are available
# in the git repository:
# $ git clone https://github.com/perl5-metaconfig/metaconfig metaconfig
# The original dist package (including metaconfig) is available on github:
# $ git clone https://github.com/rmanfredi/dist.git dist-git
#
?X: OK, I'll not alter, but I'll add to it then ...
# Though this script was generated by metaconfig from metaunits, it is
# OK to send patches against Configure itself (but not to commit them
# to bleed). It's up to
# the Configure maintainers to backport the patch to the metaunits if it
# is accepted. Exceptions to this rule, and more information, is in
# Porting/pumpkin.pod.
?X:
?X:
NOTA BENE:
?X: If you develop you own version of metaconfig based on this work,
?X: you have to add some comments telling that the script was generated
?X: by your version, not mine: It credits your work.
?X:

# Generated using [metaconfig <VERSION> PL<PATCHLEVEL>]
# (with additional metaconfig patches by <MAINTLOC>)

cat >c1$$ <<EOF
ARGGGHHHH!!!!

```

SCO csh still thinks true is false. Write to SCO today and tell them that next year Configure ought to "rm /bin/csh" unless they fix their blasted shell. :-)



(Actually, Configure ought to just patch csh in place. Hmm. Hmmmmm. All we'd have to do is go in and swap the && and || tokens, wherever they are.)

[End of diatribe. We now return you to your regularly scheduled programming...]

EOF

```
cat >c2$$ <<EOF
```

OOPS! You naughty creature! You didn't run Configure with sh!

I will attempt to remedy the situation by running sh for you...

EOF

```
true || cat c1$$ c2$$
```

```
true || exec sh $0 $argv:q
```

```
(exit $?0) || cat c2$$
```

```
(exit
```

```
 $?0) || exec sh $0 $argv:q
```

```
rm -f c1$$ c2$$
```

```
if test -f /dev/cputype -a -f /dev/drivers -a -f /dev/osversion; then
```

```
  cat <<EOF
```

```
  ***
```

```
  *** I'm sorry but this system looks like Plan 9 and Plan 9 doesn't do
```

```
  *** Configure that well. (Plan 9 is close to UNIX but not close enough.)
```

```
  *** Please read the README.plan9 for further instructions.
```

```
  *** Cannot continue, aborting.
```

```
  ***
```

```
EOF
```

```
  exit 1
```

```
fi
```

```
if test -f /sys/utilities/MultiView ; then
```

```
  # AmigaOS, test -c for /dev/null is not useful
```

```
  :
```

```
elif test ! -c /dev/null ; then
```

```
  cat <<EOF
```

```
  ***
```

```
  *** I'm sorry, but /dev/null appears to be a file rather than a device.
```

```
  *** Please consult your operating system's notes for making a device
```

```
  *** in /dev.
```

```
  *** Cannot continue, aborting.
```

```
  ***
```

```
EOF
```

```
  exit 1
```

```
fi
```

```
: compute my invocation name
```

```
me=$0
```

```

case "$0" in
*/*)
me=`echo $0 | sed -e 's!.*\(\.*\)! \1!' 2>/dev/null`
test "$me" || me=$0
;;
esac

```

?X:

?X: To be able to run under OS/2, we must detect that early enough to use

?X: the proper path separator, stored in \$p\_. It is : on

UNIX and ; on

?X: DOS-ish systems such as OS/2.

?X:

: Proper separator for the PATH environment variable

p\_=:

: On OS/2 this directory should exist if this is not floppy only system ":-]"

if test -d c:/ || ( uname -a | grep -i 'os\(\|\)\2' 2>&1 ) 2>&1 >/dev/null ; then

if test -n "\$OS2\_SHELL"; then

p\_=\;

PATH=`cmd /c "echo %PATH%" | tr '\|\|' /`

?X: That's a bug in ksh5.22

OS2\_SHELL=`cmd /c "echo %OS2\_SHELL%" | tr '\|\|' / | tr '[A-Z]' '[a-z]`

is\_os2=yes

elif test -n "\$DJGPP"; then

case "X\${MACHTYPE:-nonesuchmach}" in

\*cygwin|\*msys) ;;

\*) p\_=\; ;;

esac

fi

fi

?X:

?X: There are two schools of thoughts here. Some people correctly argue that

?X: the user has a better chance than we do of setting a reasonable PATH and

?X: others argue that Configure is the best place there is to set up a suitable

?X: PATH. Well, here we try to compromise by keeping the user's PATH and

?X: appending some directories which are known to work on some machine or the

?X: other. The rationale

behind this being that a novice user might not have a

?X: proper environment variable set, and some directories like /etc (where

?X: chown is located on some BSD systems) may be missing--RAM.

?X:

?X: SVR4 adds an /opt directory for optional packages. Some sites use

?X: various permutations on /opt as opposed to /usr or /usr/local.-- ADO

?X:

?X: We only add directories that are not already in the PATH of the

?X: user and the directories must exist also.

?X:

?X: 20040627, Merijn, HP-UX's ANSI compiler is in /opt/ansic/bin if present  
?X: and should be before /usr/ccs/bin, where the braindead bundled compiler  
?X: can be found. The /usr/ccs/bin compiler cannot be used to build perl.  
?X:

: Proper PATH setting

```
paths="/bin /usr/bin /usr/local/bin /usr/ucb /usr/local /usr/lbin"  
paths="$paths /opt/bin /opt/local/bin /opt/local /opt/lbin"  
paths="$paths /usr/5bin /etc /usr/gnu/bin /usr/new /usr/new/bin /usr/nbin"  
paths="$paths /opt/gnu/bin /opt/new /opt/new/bin /opt/nbin"  
paths="$paths /sys5.3/bin  
/sys5.3/usr/bin /bsd4.3/bin /bsd4.3/usr/ucb"  
paths="$paths /bsd4.3/usr/bin /usr/bsd /bsd43/bin /opt/ansic/bin /usr/ccs/bin"  
paths="$paths /etc /usr/lib /usr/ucblib /lib /usr/ccs/lib"  
paths="$paths /sbin /usr/sbin /usr/libexec"  
paths="$paths /system/gnu_library/bin"
```

```
for p in $paths  
do  
  case "$p_${PATH}$p_" in  
    *$p_$p*$p_*) ;;  
    *) test -d $p && PATH=${PATH}$p_$p ;;  
  esac  
done
```

```
PATH=.$p_${PATH}  
export PATH
```

: shall we be using ksh?

```
inksh=""  
needksh=""  
avoidksh=""  
newsh=/bin/ksh  
changesh=""
```

?X: Use (alias -x) and not (alias) since zsh and bash recognize the alias  
?X: builtin but not the -x option which is typically ksh...  
?X: We need to set up PATH before calling the "alias" built-in since some  
?X: systems like HP-UX have a binary called /bin/alias.

```
if (PATH=.; alias -x) >/dev/null 2>&1; then  
  inksh=true  
fi
```

?X: On HP-UX, large Configure scripts may exercise a bug in /bin/sh, use ksh  
if test -f /hp-ux -a -f /bin/ksh; then  
 needksh='to avoid sh bug in "here document" expansion'  
fi

?X: On

```
AIX4, /bin/sh is really ksh and it causes problems, use sh  
if test -d /usr/lpp -a -f /usr/bin/bsh -a -f /usr/bin/uname; then  
  if test X`/usr/bin/uname -v` = X4; then
```

```

avoidksh="to avoid AIX 4's /bin/sh"
newsh=/usr/bin/bsh
fi
fi
?X: On Digital UNIX, /bin/sh may start up buggy /bin/ksh, use sh
if test -f /osf_boot -a -f /usr/sbin/setld; then
if test X`/usr/bin/uname -s` = XOSF1; then
avoidksh="to avoid Digital UNIX' ksh"
newsh=/bin/sh
?X: if BIN_SH is set to 'xpg4', sh will start up ksh
unset BIN_SH
fi
fi
?X: If we are not in ksh and need it, then feed us back to it
case "$sinksh/$needksh" in
/[a-z]*)
?X: Clear ENV to avoid any ~/.kshrc that could alias cd or whatever...
?X: Don't use "unset ENV", that is not portable enough
ENV=""
changesh=true
reason="$needksh"
;;
esac
?X: If we are in ksh and must avoid it, then feed us back to a new shell
case "$sinksh/$avoidksh" in
true/[a-z]*)
changesh=true
reason="$avoidksh"
;;
esac
?X: Warn them if they use ksh on other systems,
which are those where
?X: we don't need ksh nor want to avoid it explicitly, yet are using it.
case "$sinksh/$needksh-$avoidksh-" in
true/--)
cat <<EOM
(I see you are using the Korn shell. Some ksh's blow up on $me,
mainly on older exotic systems. If yours does, try the Bourne shell instead.)
EOM
;;
esac
case "$changesh" in
true)
export newsh
echo "(Feeding myself to $newsh $reason.)"
?X: Make sure they didn't say sh <Configure by checking whether $0 ends
?X: with Configure or not. If they did say sh <././Configure, then too
?X: bad for them anyway, since we lost that path indication...

```

?X: Otherwise, execing \$0 ensures we keep the full remote source dir

?X: indication for src.U.

```
case "$0" in
Configure|*/Configure) exec $newsh $0 "$@";;
*) exec $newsh Configure "$@";;
esac
;;
esac
```

?X: 2004.06.09 rac

?X: having \$newsh persist as ksh here is bad news if ksh doesn't really

?X: exist. this causes us to toss away a perfectly good working test in

?X: bash in favor of more exotic

external options. see bug 42665.

```
test -x "${newsh}" || unset newsh
```

?X: Unset CDPATH to avoid surprises when using cd under some shells

?X: Can't unset it because that's not portable to very old shells.

?X: Can't set it to " because then bash 2.02 won't do "cd UU" --AD 6/98.

?X: Don't want to set it to '!' because then ksh prints out the

?X: name of the directory every time you cd to it. --AD 6/98

?X: In order to inflict the least harm, change it only if it's set.

: if needed, set CDPATH to a harmless value that is not chatty

: avoid bash 2.02 problems with empty CDPATH.

```
case "$CDPATH" in
") ;;
*) case "$SHELL" in
*bash*) CDPATH='!' ;;
*) CDPATH="" ;;
esac
;;
esac
```

: Configure runs within the UU subdirectory

```
test -d UU || mkdir UU
```

?X: Use ./\* to avoid any confirmation prompts from enhanced shells -- WED

```
cd UU && rm -f ./*
```

Found in path(s):

```
*/opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Head.U
```

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?RCS: \$Id: mailer.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: mailer.U,v \$  
?RCS: Revision 3.0.1.3 1995/01/11 15:32:11 ram  
?RCS: patch45: can now use Loc variables since path stripping is deferred  
?RCS:  
?RCS: Revision 3.0.1.2 1994/05/06 15:10:04 ram  
?RCS: patch23: ensure full path value is used for rmail also  
?RCS:  
?RCS: Revision 3.0.1.1 1994/01/24 14:14:18 ram  
?RCS: patch16: now use \_sendmail vars and friends for portability issues  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:10 ram  
?RCS: Baseline for dist  
3.0 netwide release.  
?RCS:  
?MAKE:mailer: test cat rmail mail smail sendmail Getfile Oldconfig  
?MAKE: -pick add \$@ %<  
?S:mailer:  
?S: This variable contains the full pathname of a reasonable mailer.  
?S: By reasonable, we mean some program which can understand internet  
?S: addresses or at least forward them to some internet router. This  
?S: mailer should be invoked as "mailer [options] recipients <mail".  
?S:.  
: determine the name of a reasonable mailer  
case "\$mailer" in  
")  
if \$test -f "\$sendmail"; then  
dflt="\$sendmail"  
elif \$test -f "\$smail"; then  
dflt="\$smail"  
elif \$test -f "\$rmail"; then  
dflt="\$rmail"  
elif \$test -f /bin/mail; then  
dflt=/bin/mail  
else  
dflt=\$mail  
fi  
;;  
\*) dflt="\$mailer";;  
esac  
\$cat <<EOM

I need the full pathname of the program used to deliver mail on your system.  
A typical answer would be /usr/lib/sendmail or /bin/rmail, but you may choose  
any other program, as long as it can be fed from standard input and will

honour any user-supplied headers.

EOM

fn=f

rp='Mail

transport agent to be used?'

../getfile

mailer="\$ans"

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/mailer.U

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Copyright (c) 2001 Jarkko Hietaniemi

?RCS:

?MAKE:run to from targetarch usecrosscompile: src awk cat grep test rm \

echo sed mkdir cp touch chmod

?MAKE: -pick add \$@ %<

?Y:TOP

?S:usecrosscompile:

?S: This variable conditionally defines the USE\_CROSS\_COMPILE symbol,

?S: and indicates that our package has been cross-compiled.

?S:.

?S:run:

?S: This variable contains the command used by Configure

?S: to copy and execute a cross-compiled executable in the

?S: target host. Useful and available only during

the build.

?S: Empty string " if not cross-compiling.

?S:.

?S:from:

?S: This variable contains the command used by Configure

?S: to copy files from the target host. Useful and available

?S: only during the build.

?S: The string ':' if not cross-compiling.

?S:.

?S:to:

?S: This variable contains the command used by Configure  
 ?S: to copy to from the target host. Useful and available  
 ?S: only during the build.  
 ?S: The string ':' if not cross-compiling.  
 ?S:.  
 ?S:targetarch:  
 ?S: If cross-compiling, this variable contains the target architecture.  
 ?S: If not, this will be empty.  
 ?S:.  
 ?C:USE\_CROSS\_COMPILE:  
 ?C: This symbol, if defined, indicates that the package is being  
 ?C: cross-compiled.  
 ?C:.  
 ?C:CROSS\_TARGET\_ARCH:  
 ?C: This symbol, if defined, indicates the target architecture  
 ?C: the package has been cross-compiled to.  
 ?C: Undefined if not a cross-compile.  
 ?C:.  
 ?H:?usecrosscompile:#ifndef USE\_CROSS\_COMPILE  
 ?H:?usecrosscompile:#\$usecrosscompile USE\_CROSS\_COMPILE /\*\*/  
 ?H:?usecrosscompile:#define  
 CROSS\_TARGET\_ARCH "\$targetarch" /\*\*/  
 ?H:?usecrosscompile:#endif  
 ?H:.  
 ?T:croak pwd exe f q i j cwd  
 ?LINT:extern usecrosscompile  
 ?LINT:extern cc  
 ?LINT:extern usrinc  
 ?LINT:change usrinc  
 ?LINT:change ar  
 ?LINT:change nm  
 ?LINT:change ranlib  
 ?LINT:extern targethost  
 ?LINT:extern targetdir  
 ?LINT:change targetdir  
 ?LINT:extern targetuser  
 ?LINT:change targetuser  
 ?LINT:extern targetrun  
 ?LINT:extern targetfrom  
 ?LINT:extern targetto  
 ?LINT:extern targetmkdir  
 ?LINT:change targetrun  
 ?LINT:change targetfrom  
 ?LINT:change targetto  
 ?LINT:change targetmkdir  
 ?LINT:extern incpth  
 ?LINT:extern libpth  
 ?LINT:change incpth



```

?LINT:change libpth
?LINT:extern locincpth
?LINT:extern loclibpth
?LINT:change locincpth
?LINT:change loclibpth
?LINT:extern TMPDIR
: setup for possible cross-compilation
run="
to=:
from=:
usecrosscompile='undef'
targetarch="
case "$usecrosscompile" in
$define|true|[yY]*)
@if { test -d ../Cross }
?X:
?X: Cross-compilation is enabled when there is a 'Cross' directory found
?X: at the root
of the package. This directory must contain the following
?X: entries for defining the cross-compilation process:
?X:
?X: FIXME FIXME
?X: WE MUST DISTINGUISH BETWEEN LOCAL cross-compiling AND REMOTE ONE
?X: ACTUALLY, REMOTE COMPILATION SHOULD BE CONFIGURED INTERACTIVELY
?X: IT WILL COPY ALL THE FILES FROM THE MANIFEST DOWN TO THE REMOTE DIR...
?X: (and copy things like 'mkdep', etc...)
?X:
$echo "Cross-compiling..."
croak="
case "$cc" in
*-*-gcc)
?X: A cross-compiling gcc, probably.
targetarch=`$echo $cc|$sed 's/-gcc$//'^
ar=$targetarch-ar
?X: leave out ld, choosing it is more complex
nm=$targetarch-nm
ranlib=$targetarch-ranlib
$echo 'extern int foo;' > try.c
set X ` $cc -v -E try.c 2>&1 | \
$awk '/^#include <./^End of search /|$grep '/include'^
shift
if $test $# -gt 0; then
incpth="$incpth $*"
incpth="" $echo $incpth|$sed 's/^ //'^
echo "Guessing incpth '$incpth'." >&4
for i in $*; do
j="" $echo $i|$sed 's,/include$,/lib,^^
if

```

```

$test -d $j; then
    libpth="$libpth $j"
fi
done
libpth=""$echo $libpth|sed 's/^ //'
echo "Guessing libpth '$libpth'." >&4
fi
$rm -f try.c
;;
esac
case "$targetarch" in
") echo "Targetarch not defined." >&4; croak=y ;;
*) echo "Using targetarch $targetarch." >&4 ;;
esac
case "$incpth" in
") echo "Incpth not defined." >&4; croak=y ;;
*) echo "Using incpth '$incpth'." >&4 ;;
esac
case "$libpth" in
") echo "Libpth not defined." >&4; croak=y ;;
*) echo "Using libpth '$libpth'." >&4 ;;
esac
case "$usrinc" in
")
for i in $incpth; do
if $test -f $i/errno.h -a -f $i/stdio.h -a -f $i/time.h; then
usrinc=$i
echo "Guessing usrinc $usrinc." >&4
break
fi
done
case "$usrinc" in
") echo "Usrinc not defined." >&4; croak=y ;;
esac
;;
*) echo "Using usrinc $usrinc." >&4 ;;
esac
case "$targethost" in
") echo "Targethost not defined." >&4; croak=y ;;
*) echo "Using targethost $targethost."
>&4
esac
locincpth=' '
loclibpth=' '
case "$croak" in
y) echo "Cannot continue, aborting." >&4; exit 1 ;;
esac
case "$src" in

```

```

/*) run=$src/Cross/run
   targetmkdir=$src/Cross/mkdir
   to=$src/Cross/to
   from=$src/Cross/from
   ;;
*) pwd=`$test -f ../Configure & cd ..; pwd`
   run=$pwd/Cross/run
   targetmkdir=$pwd/Cross/mkdir
   to=$pwd/Cross/to
   from=$pwd/Cross/from
   ;;
esac
case "$targetrun" in
") targetrun=ssh ;;
esac
case "$targetto" in
") targetto=scp ;;
esac
case "$targetfrom" in
") targetfrom=scp ;;
esac
run=$run-$targetrun
to=$to-$targetto
from=$from-$targetfrom
case "$targetdir" in
")
targetdir="{TMPDIR:-/tmp}"
echo "Guessing targetdir $targetdir." >&4
;;
esac
case "$targetuser" in
")
targetuser=root
echo "Guessing targetuser $targetuser." >&4
;;
esac
case "$targetfrom" in
scp) q=-q ;;
*) q="" ;;
esac
case "$targetrun" in
ssh|rsh)
$cat >$run <<EOF
#!/bin/sh
case "\$1" in
-cwd)
shift
cwd=\$1

```

```

    shift
    ;;
esac
case "$cwd" in
") cwd=$targetdir ;;
esac
exe=$1
shift
if $test ! -f \${exe}.xok; then
    $to \${exe}
    $touch \${exe}.xok
fi
$targetrun -l $targetuser $targethost "cd \${cwd} && ./\${exe} \${@"
EOF
    ;;
*) echo "Unknown targetrun '$targetrun'" >&4
    exit 1
    ;;
esac
case "$targetmkdir" in
*/Cross/mkdir)
    $cat >$targetmkdir <<EOF
#!/bin/sh
$targetrun -l $targetuser $targethost "mkdir -p \${@"
EOF
    $chmod a+rx $targetmkdir
    ;;
*) echo "Unknown targetmkdir '$targetmkdir'" >&4
    exit 1
    ;;
esac
case "$targetto" in
scp|rcp)
    $cat >$to <<EOF
#!/bin/sh
for f in \${@"
do
    case "\${f}" in
/*)
        $targetmkdir \ `dirname \${f}`
        $targetto $q \${f} $targetuser@$targethost:\${f}          || exit 1
        ;;
*)
        $targetmkdir $targetdir/\ `dirname \${f}`
        $targetto $q \${f} $targetuser@$targethost:$targetdir/\${f} || exit 1
        ;;
esac
done

```

```

exit 0
EOF
;;
cp) $cat >$to <<EOF
#!/bin/sh
for f in @$@
do
case "$f" in
/*)
$mkdir -p $targetdir/\dirname
$f\
$cp $f $targetdir/$f || exit 1
;;
*)
$targetmkdir $targetdir/\dirname $f\
$cp $f $targetdir/$f || exit 1
;;
esac
done
exit 0
EOF
;;
*) echo "Unknown targetto '$targetto'" >&4
exit 1
;;
esac
case "$targetfrom" in
scp|rcp)
$cat >$from <<EOF
#!/bin/sh
for f in @$@
do
$rm -f $f
$targetfrom $q $targetuser@$targethost:$targetdir/$f . || exit 1
done
exit 0
EOF
;;
cp) $cat >$from <<EOF
#!/bin/sh
for f in @$@
do
$rm -f $f
cp $targetdir/$f . || exit 1
done
exit 0
EOF
;;

```

```

*) echo "Unknown targetfrom '$targetfrom'" >&4
  exit 1
  ;;
esac
if $test ! -f $run; then
  echo "Target 'run' script '$run' not found." >&4
else
  $chmod a+rx $run
fi
if $test ! -f $to; then
  echo "Target 'to' script '$to' not found." >&4
else
  $chmod a+rx $to
fi
if $test ! -f $from; then
  echo "Target 'from' script '$from' not found." >&4
else
  $chmod a+rx $from
fi
if $test ! -f $run -o ! -f $to -o !
-f $from; then
  exit 1
fi
$cat >&4 <<EOF
Using '$run' for remote execution,
and '$from' and '$to'
for remote file transfer.
EOF
@else
echo "Cross-compilation is not supported for this package." >&4
exit 1
@end
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Cross.U
```

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?RCS:

?MAKE:d\_unsetenv: Inlibc

?MAKE: -pick add \$@ %<  
?S:d\_unsetenv:  
?S: This variable conditionally defines the HAS\_UNSETENV symbol, which  
?S: indicates to the C program that the unsetenv () routine is available.  
?S:.  
?C:HAS\_UNSETENV:  
?C: This symbol, if defined, indicates that the unsetenv () routine is  
?C: available for use.  
?C:.  
?H:#\$d\_unsetenv HAS\_UNSETENV /\*\*/  
?H:.  
?LINT:set d\_unsetenv  
: see if unsetenv exists  
set unsetenv d\_unsetenv  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_unsetenv.U

No license file was found, but licenses were detected in source scan.

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?RCS:  
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?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: html3dir.U,v \$  
?RCS:  
?MAKE:html3dir html3direxp installhtml3dir: cat sed Loc Myread \  
package test Getfile Setprefixvar Prefixit Prefixup html1dir  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?D:html3dir="  
?S:html3dir:  
?S: This variable contains the name of the directory in which html  
?S: source pages are to be put. This directory is for pages  
?S: that describe libraries or modules. It is intended to  
?S: correspond roughly to section 3 of the Unix manuals.  
?S:.  
?D:html3direxp="  
?S:html3direxp:  
?S: This variable

```

is the same as the html3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installhtml3dir="
?S:installhtml3dir:
?S: This variable is really the same as html3direxp, unless you are
?S: using a different installprefix. For extra portability, you
?S: should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set html3direxp
?LINT:set installhtml3dir
: determine where html pages for libraries and modules go
set html3dir html3dir none
eval $prefixit
$cat <<EOM

```

If you wish to install html files for modules associated with \$spackage, indicate the appropriate directory here. To skip installing html files, answer "none".

```

EOM
: There is no obvious default. If they have specified html1dir, then
: try to key off that, possibly changing ../html1 into ../html3.
case "$html3dir" in
*) html3dir=`echo "$html1dir" | $sed 's/1$/3$/'` ;;
*) dflt=$html3dir ;;
esac
fn=dn+~
rp="Directory for the $spackage module
html pages?"
./getfile
prefixvar=html3dir
./setprefixvar
: Use ' ' for none so value is preserved next time through Configure
$test X"$html3dir" = "X" && html3dir='

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/html3dir.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: i_dld.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of

```



?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: i\_dld.U,v \$

?RCS: Revision 3.0.1.1 1994/10/29 16:20:07 ram

?RCS: patch36: created by ADO

?RCS:

?MAKE:i\_dld: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_dld:

?S: This variable conditionally defines the I\_DLD symbol, which

?S: indicates to the C program that <dld.h> (GNU dynamic loading)

?S: exists and should be included.

?S:.

?C:I\_DLD:

?C: This symbol, if defined, indicates that <dld.h>

exists and should

?C: be included before using GNU dynamic loading features.

?C:.

?H:#\$i\_dld I\_DLD /\*\*/

?H:.

?LINT:set i\_dld

: see if dld is available

set dld.h i\_dld

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_dld.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: perlxy.U,v 1.1 2000/08/31 17:53:56 jhi Exp jhi \$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:ivtype uvtype nvtype ivsize uvsize nvsize \

i8type u8type i16type u16type i32type u32type i64type u64type \

i8size u8size i16size u16size i32size u32size i64size u64size \

d\_nv\_preserves\_uv nv\_preserves\_uv\_bits nv\_overflows\_integers\_at \

d\_nv\_zero\_is\_allbits\_zero: \

echo rm\_try use64bitint d\_quad quadtype uquadtype usequadmath \

d\_longdbl uselongdouble longdblsize doublesize i\_quadmath \

shortsize intsize longsize i\_stdlib libs gccversion \

```
cat Compile i_inttypes test signal_t run
?MAKE: -pick add $@ %<
?S:ivtype:
?S: This variable contains the C type used for Perl's IV.
?S:.
?S:uvtype:
?S: This variable contains the C type
used for Perl's UV.
?S:.
?S:nvtype:
?S: This variable contains the C type used for Perl's NV.
?S:.
?S:i8type:
?S: This variable contains the C type used for Perl's I8.
?S:.
?S:u8type:
?S: This variable contains the C type used for Perl's U8.
?S:.
?S:i16type:
?S: This variable contains the C type used for Perl's I16.
?S:.
?S:u16type:
?S: This variable contains the C type used for Perl's U16.
?S:.
?S:i32type:
?S: This variable contains the C type used for Perl's I32.
?S:.
?S:u32type:
?S: This variable contains the C type used for Perl's U32.
?S:.
?S:i64type:
?S: This variable contains the C type used for Perl's I64.
?S:.
?S:u64type:
?S: This variable contains the C type used for Perl's U64.
?S:.
?S:ivsize:
?S: This variable is the size of an IV in bytes.
?S:.
?S:uvsize:
?S: This variable is the size of a UV in bytes.
?S:.
?S:i8size:
?S: This variable is the size of an I8 in bytes.
?S:.
?S:u8size:
?S: This variable is the size of an U8 in bytes.
?S:.
```

?S:i16size:

?S: This variable is the size of an I16 in bytes.

?S:.

?S:u16size:

?S: This variable is the size of an U16 in bytes.

?S:.

?S:i32size:

?S: This variable is the size of an I32 in bytes.

?S:.

?S:u32size:

?S: This variable is the size of an U32 in bytes.

?S:.

?S:i64size:

?S: This variable is the size of an I64 in bytes.

?S:.

?S:u64size:

?S: This variable is the size of an U64 in bytes.

?S:.

?S:nvsize:

?S: This variable is the size of a Perl NV in bytes.

?S: Note that some floating point formats have unused bytes.

?S:.

?S:d\_nv\_preserves\_uv:

?S: This variable indicates whether a variable of type nvtype

?S: can preserve all the bits a variable of type uvtype.

?S:.

?S:nv\_preserves\_uv\_bits:

?S: This variable indicates how many of bits type uvtype

?S: a variable nvtype can preserve.

?S:.

?S:nv\_overflows\_integers\_at:

?S: This variable gives the largest integer value that NVs can hold

?S: as a constant floating point expression.

?S: If it could not be determined, it holds the value 0.

?S:.

?S:d\_nv\_zero\_is\_allbits\_zero:

?S: This

variable indicates whether a variable of type nvtype

?S: stores 0.0 in memory as all bits zero.

?S:.

?C:IVTYPE:

?C: This symbol defines the C type used for Perl's IV.

?C:.

?C:UVTYPE:

?C: This symbol defines the C type used for Perl's UV.

?C:.

?C:I8TYPE:

?C: This symbol defines the C type used for Perl's I8.

?C:.

?C:U8TYPE:

?C: This symbol defines the C type used for Perl's U8.

?C:.

?C:I16TYPE:

?C: This symbol defines the C type used for Perl's I16.

?C:.

?C:U16TYPE:

?C: This symbol defines the C type used for Perl's U16.

?C:.

?C:I32TYPE:

?C: This symbol defines the C type used for Perl's I32.

?C:.

?C:U32TYPE:

?C: This symbol defines the C type used for Perl's U32.

?C:.

?C:I64TYPE:

?C: This symbol defines the C type used for Perl's I64.

?C:.

?C:U64TYPE:

?C: This symbol defines the C type used for Perl's U64.

?C:.

?C:NVTYPE:

?C: This symbol defines the C type used for Perl's NV.

?C:.

?C:IVSIZE:

?C: This symbol contains the sizeof(IV).

?C:.

?C:UVSIZE:

?C: This symbol contains the  
sizeof(UV).

?C:.

?C:I8SIZE:

?C: This symbol contains the sizeof(I8).

?C:.

?C:U8SIZE:

?C: This symbol contains the sizeof(U8).

?C:.

?C:I16SIZE:

?C: This symbol contains the sizeof(I16).

?C:.

?C:U16SIZE:

?C: This symbol contains the sizeof(U16).

?C:.

?C:I32SIZE:

?C: This symbol contains the sizeof(I32).

?C:.

?C:U32SIZE:  
?C: This symbol contains the sizeof(U32).  
?C:.  
?C:I64SIZE:  
?C: This symbol contains the sizeof(I64).  
?C:.  
?C:U64SIZE:  
?C: This symbol contains the sizeof(U64).  
?C:.  
?C:NVSIZE:  
?C: This symbol contains the sizeof(NV).  
?C: Note that some floating point formats have unused bytes.  
?C: The most notable example is the x86\* 80-bit extended precision  
?C: which comes in byte sizes of 12 and 16 (for 32 and 64 bit  
?C: platforms, respectively), but which only uses 10 bytes.  
?C: Perl compiled with -Duselongsdouble on x86\* is like this.  
?C:.  
?C:NV\_PRESERVES\_UV:  
?C: This symbol, if defined, indicates that a variable of type NVTYPE  
?C: can preserve all the bits of a variable of type UVTYPE.  
?C:.  
?C:NV\_PRESERVES\_UV\_BITS:  
?C: This  
symbol contains the number of bits a variable of type NVTYPE  
?C: can preserve of a variable of type UVTYPE.  
?C:.  
?C:NV\_OVERFLOWES\_INTEGERS\_AT:  
?C: This symbol gives the largest integer value that NVs can hold. This  
?C: value + 1.0 cannot be stored accurately. It is expressed as constant  
?C: floating point expression to reduce the chance of decimal/binary  
?C: conversion issues. If it can not be determined, the value 0 is given.  
?C:.  
?C:NV\_ZERO\_IS\_ALLBITS\_ZERO:  
?C: This symbol, if defined, indicates that a variable of type NVTYPE  
?C: stores 0.0 in memory as all bits zero.  
?C:.  
?H:#define IVTYPE \$ivtype /\*\*/  
?H:#define UVTYPE \$uvtype /\*\*/  
?H:#define I8TYPE \$i8type /\*\*/  
?H:#define U8TYPE \$u8type /\*\*/  
?H:#define I16TYPE \$i16type /\*\*/  
?H:#define U16TYPE \$u16type /\*\*/  
?H:#define I32TYPE \$i32type /\*\*/  
?H:#define U32TYPE \$u32type /\*\*/  
?H:??<:#ifdef HAS\_QUAD  
?H:??<:#define I64TYPE \$i64type /\*\*/  
?H:??<:#define U64TYPE \$u64type /\*\*/  
?H:??<:#endif

```

?H:#define NVTYPE $nvtype /**/
?H:#define IVSIZE $ivsize /**/
?H:#define UVSIZE $uvszsize /**/
?H:#define I8SIZE $i8size /**/
?H:#define U8SIZE $u8size /**/
?H:#define I16SIZE $i16size /**/
?H:#define U16SIZE $u16size /**/
?H:#define I32SIZE $i32size /**/
?H:#define U32SIZE $u32size /**/
?H:?:<:#ifndef
    HAS_QUAD
?H:?:<:#define I64SIZE $i64size /**/
?H:?:<:#define U64SIZE $u64size /**/
?H:?:<:#endif
?H:#define NVSIZE $nvsize /**/
?H:#$d_nv_preserves_uv NV_PRESERVES_UV
?H:#define NV_PRESERVES_UV_BITS $nv_preserves_uv_bits
?H:#define NV_OVERFLOWES_INTEGERS_AT ($nv_overflows_integers_at)
?H:#$d_nv_zero_is_allbits_zero NV_ZERO_IS_ALLBITS_ZERO
?H:?:<:#if UVSIZE == 8
?H:?:<:# ifdef BYTEORDER
?H:?:<:# if BYTEORDER == 0x1234
?H:?:<:# undef BYTEORDER
?H:?:<:# define BYTEORDER 0x12345678
?H:?:<:# else
?H:?:<:# if BYTEORDER == 0x4321
?H:?:<:# undef BYTEORDER
?H:?:<:# define BYTEORDER 0x87654321
?H:?:<:#
    endif
?H:?:<:# endif
?H:?:<:# endif
?H:?:<:#endif
?H:.
?T:xxx
?T:d
?F:!try
: Check basic sizes
echo " "
$echo "Choosing the C types to be used for Perl's internal types..." >&4

case "$use64bitint:$d_quad:$quadtype" in
define:define:?)
    ivtype="$quadtype"
    uvtype="$uquadtype"
    ivsize=8
    uvsize=8
;;

```

```
*) ivtype="long"
   uvtype="unsigned long"
   ivsize=$longsize
   uvsize=$longsize
;;
esac
```

```
case "$uselongdouble:$d_longdbl" in
define:define)
   nvtype="long double"
   nvsize=$longdblsize
;;
*) nvtype=double
   nvsize=$doublesize
;;
esac
```

```
case "$usequadmath:$i_quadmath" in
define:define)
   nvtype="__float128"
   nvsize=16
   case "$libs" in
   *quadmath*) ;;
   *) $cat <<EOM >&4
```

```
*** You requested the use of the quadmath library, but you
*** do not seem to have the quadmath library installed.
*** Cannot continue, aborting.
```

```
EOM
   exit 1
;;
esac
;;
define:*) $cat <<EOM >&4
```

```
*** You requested the use of the quadmath library, but you
*** do not seem to have the required header, <quadmath.h>.
```

```
EOM
   case "$gccversion" in
   [23].*|4.[0-5]*)
   $cat <<EOM >&4
*** Your gcc looks a bit old:
*** $gccversion
```

```
EOM
;;
")
   $cat <<EOM >&4
*** You are not running a gcc.
```

```

EOM
;;
esac
$cat <<EOM >&4
*** For the quadmath library you need at least gcc 4.6.
*** Cannot continue, aborting.
EOM
exit 1
;;
esac

```

```

$echo "(IV will be "$ivtype", $ivsize bytes)"
$echo "(UV will be "$uvtype", $uvsize bytes)"
$echo "(NV will be "$nvtype", $nvsize bytes)"

```

```

$cat >try.c <<EOCP
#$i_inttypes I_INTTYPES
#ifdef I_INTTYPES
#include <inttypes.h>
#endif
#include <stdio.h>
int main() {
#ifdef INT8
    int8_t i = INT8_MAX;
    uint8_t u = UINT8_MAX;
    printf("int8_t\n");
#endif
#ifdef INT16
    int16_t i = INT16_MAX;
    uint16_t u = UINT16_MAX;
    printf("int16_t\n");
#endif
#ifdef INT32
    int32_t i = INT32_MAX;
    uint32_t u = UINT32_MAX;
    printf("int32_t\n");
#endif
}
EOCP

```

```

i8type="signed char"
u8type="unsigned char"
i8size=1
u8size=1

```

```

case "$i16type" in
") case "$shortsize" in
2) i16type=short

```



```

u16type="unsigned
short"
i16size=$shortsize
u16size=$shortsize
;;
esac
;;
esac
case "$i16type" in
") set try -DINT16
if eval $compile; then
case "`$run ./try`" in
int16_t)
i16type=int16_t
u16type=uint16_t
i16size=2
u16size=2
;;
esac
fi
;;
esac
case "$i16type" in
") if $test $shortsize -ge 2; then
i16type=short
u16type="unsigned short"
i16size=$shortsize
u16size=$shortsize
fi
;;
esac

case "$i32type" in
") case "$longsize" in
4) i32type=long
u32type="unsigned long"
i32size=$longsize
u32size=$longsize
;;
*) case "$intsize" in
4) i32type=int
u32type="unsigned int"
i32size=$intsize
u32size=$intsize
;;
esac
;;
esac

```

```

;;
esac
case "$i32type" in
") set try -DINT32
if eval $compile; then
case "`$run ./try`" in
int32_t)
i32type=int32_t
u32type=uint32_t
i32size=4
u32size=4
;;
esac
fi
;;
esac
case "$i32type" in
") if $test $intsize -ge 4; then
i32type=int
u32type="unsigned int"
i32size=$intsize
u32size=$intsize
fi
;;
esac

case
"$i64type" in
") case "$d_quad:$quadtype" in
define:?)
i64type="$quadtype"
u64type="$uquadtype"
i64size=8
u64size=8
;;
esac
;;
esac

$echo "Checking how many bits of your UVs your NVs can preserve..." >&4
$cat <<EOP >try.c
#include <stdio.h>
#i_stdlib L_STDLIB
#ifdef L_STDLIB
#include <stdlib.h>
#endif
#include <sys/types.h>
#include <signal.h>

```

```

#ifdef SIGFPE
/* volatile so that the compiler has to store it out to memory */
volatile int bleached = 0;
$signal_t blech(int s) { bleached = 1; }
#endif
int main() {
    $uvtype u = 0;
    $nvtype d;
    int n = 8 * $uvsize;
    int i;
#ifdef SIGFPE
    signal(SIGFPE, blech);
#endif

    for (i = 0; i < n; i++) {
        u = u << 1 | ($uvtype)1;
        d = ($nvtype)u;
        if (($uvtype)d != u)
            break;
        if (d <= 0)
            break;
        d = ($nvtype)(u - 1);
        if (($uvtype)d != (u - 1))
            break;
#ifdef SIGFPE
        if (bleached)
            break;
#endif
    }
    printf("%d\n",
        ((i == n) ? -n : i));
    exit(0);
}
EOP
set try

d_nv_preserves_uv="$undef"
if eval $compile; then
    nv_preserves_uv_bits="$run ./try`"
fi
case "$nv_preserves_uv_bits" in
\-[1-9]*)
    nv_preserves_uv_bits=`expr 0 - $nv_preserves_uv_bits`
    $echo "Your NVs can preserve all $nv_preserves_uv_bits bits of your UVs." 2>&1
    d_nv_preserves_uv="$define"
    ;;
[1-9]*) $echo "Your NVs can preserve only $nv_preserves_uv_bits bits of your UVs." 2>&1
    d_nv_preserves_uv="$undef" ;;

```

```

*) $echo "Can't figure out how many bits your NVs preserve." 2>&1
nv_preserves_uv_bits="0" ;;
esac
$rm_try

$echo "Checking to find the largest integer value your NVs can hold..." >&4
$cat <<EOP >try.c
#include <stdio.h>

typedef $nvtype NV;

int
main() {
    NV value = 2;
    int count = 1;

    while(count < 256) {
        /* volatile so that the compiler has to store it out to memory */
        volatile NV up = value + 1.0;
        volatile NV negated = -value;
        volatile NV down = negated - 1.0;
        volatile NV got_up = up
- value;
        int up_good = got_up == 1.0;
        int got_down = down - negated;
        int down_good = got_down == -1.0;

        if (down_good != up_good) {
            fprintf(stderr,
                "Inconsistency - up %d %f; down %d %f; for 2**%d (%.20f)\n",
                up_good, (double) got_up, down_good, (double) got_down,
                count, (double) value);
            return 1;
        }
        if (!up_good) {
            while (1) {
if (count > 8) {
                count -= 8;
                fputs("256.0", stdout);
            } else {
                count--;
                fputs("2.0", stdout);
            }
        }
        if (!count) {
            puts("");
            return 0;
        }
        fputs("2.0", stdout);
    }
}

```

```

    }
  }
  value *= 2;
  ++count;
}
fprintf(stderr, "Cannot overflow integer range, even at 2**%d (%.20f)\n",
  count, (double) value);
return 1;
}
EOP
set try

```

```
nv_overflows_integers_at=0'
```

```
if eval $compile; then
```

```
  xxx="$run ./try`"
```

```
  case "$?" in
```

```
0)
```

```
  case "$xxx" in
```

```
2*) cat >&4 <<EOM
```

The largest integer your NVs can preserve is equal to \$xxx

```
EOM
```

```
  nv_overflows_integers_at="$xxx"
```

```
  ;;
```

```
*) cat
```

```
>&4 <<EOM
```

Cannot determine the largest integer value your NVs can hold, unexpected output

```
'$xxx'
```

```
EOM
```

```
  ;;
```

```
  esac
```

```
  ;;
```

```
*) cat >&4 <<EOM
```

Cannot determine the largest integer value your NVs can hold

```
EOM
```

```
  ;;
```

```
  esac
```

```
fi
```

```
$rm_try
```

```
$echo "Checking whether NV 0.0 is all bits zero in memory..." >&4
```

```
$cat <<EOP >try.c
```

```
#include <stdio.h>
```

```
#$i_stdlib I_STDLIB
```

```
#ifdef I_STDLIB
```

```
#include <stdlib.h>
```

```
#endif
```

```
#include <string.h>
```

```
#include <sys/types.h>
```

```

#include <signal.h>
#ifdef SIGFPE
/* volatile so that the compiler has to store it out to memory */
volatile int bleached = 0;
$signal_t blech(int s) { bleached = 1; }
#endif

int checkit($nvtpe d, const char *where) {
    void *v = &d;
    unsigned char *p = (unsigned char *)v;
    unsigned char *end = p + sizeof(d);
    int fail = 0;

    while (p < end)
fail += *p++;

    if (!fail)
return 0;

    p = (unsigned char *)v;
    printf("No - %s: 0x", where);
    while (p < end)
printf ("%02X", *p++);
    printf("\n");
    return 1;
}

int
main(int argc, char **argv) {
    $nvtpe d = 0.0;
    int fail = 0;
    fail += checkit(d, "0.0");

    /* The compiler shouldn't be assuming that bleached is 0 */
    d = bleached;

    fail += checkit(d, "bleched");

#ifdef SIGFPE
    signal(SIGFPE, blech);
#endif

    /* Paranoia - the compiler should have no way of knowing that ANSI says
       that argv[argc] will always be NULL.  Actually, if it did assume this it
       would be buggy, as this is C and main() can be called from elsewhere in
       the program. */
    d = argv[argc] ? 1 : 0;

```

```

    if (d) {
printf("Odd argv[argc]=%p, d=%g\n", argv[argc], d);
    }

    fail += checkit(d, "ternary");

    memset(&d, sizeof(d), argv[argc] ? 1 : 0);

    if (d != 0.0) {
printf("No - memset doesn't give 0.0\n");
/* This might just blow up: */
printf("(gives %g)\n", d);
return 1;
    }

#ifdef SIGFPE
    if (bletched) {
printf("No - something bleched\n");
return 1;
    }
#endif
    if (fail) {
        printf("No - %d fail(s)\n",
fail);
        return 1;
    }
    printf("Yes\n");
    return 0;
}
EOP
set try

d_nv_zero_is_allbits_zero="$undef"
if eval $compile; then
    xxx="$run ./try`"
    case "$?" in
0)
        case "$xxx" in
Yes) cat >&4 <<EOM
0.0 is represented as all bits zero in memory
EOM
            d_nv_zero_is_allbits_zero="$define"
            ;;
*) cat >&4 <<EOM
0.0 is not represented as all bits zero in memory
EOM
            d_nv_zero_is_allbits_zero="$undef"
            ;;

```

```

    esac
    ;;
*) cat >&4 <<EOM
0.0 is not represented as all bits zero in memory
EOM
    d_nv_zero_is_allbits_zero="$undef"
    ;;
    esac
fi
$rm_try

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/perl.v.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_msgctl.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_msgctl.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:38 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_msgctl: Inlibc
?MAKE: -pick add $@ %<
?S:d_msgctl:
?S: This variable conditionally defines the HAS_MSGCTL symbol, which
?S: indicates to the C program that the msgctl() routine is available.
?S:.
?C:HAS_MSGCTL:
?C: This symbol, if defined, indicates that the msgctl() routine is
?C: available to perform message control operations.
?C:.
?H:#$d_msgctl
HAS_MSGCTL /**/
?H:.
?LINT:set d_msgctl
: see if msgctl exists
set msgctl d_msgctl
eval $inlibc

```



Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_msgctl.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

?RCS: Original author Jarkko Hietaniemi <jhi@iki.fi>

?RCS: Merged into dist by Andy Dougherty July 13, 1998

?RCS:

?MAKE:trnl: Nothing

?MAKE: -pick add \$@ %<

?S:trnl:

?S: This variable contains the value to be passed to the tr(1)

?S: command to transliterate a newline. Typical values are

?S: '\012' and '\n'. This is needed for EBCDIC systems where

?S: newline is not necessarily '\012'.

?S:.

?T: DJGPP

: Find the appropriate value for a newline for tr

?X: We can't

use \$tr since that would cause a circular dependency via Myread

?X: dos djgpp uses '\015\012', but reportedly is happy with '\012' in the

?X: tr command. I don't know why it passes the '\n' test but later

?X: refuses to work correctly with it. --AD 6/14/98

```
if test -n "$DJGPP"; then
```

```
    trnl='\012'
```

```
fi
```

```
if test X"$trnl" = X; then
```

```
    case "`echo foo | tr '\n' x 2>/dev/null`" in
```

```
    foox) trnl='\n' ;;
```

```
    esac
```

```
fi
```

```
if test X"$trnl" = X; then
```

```
    case "`echo foo | tr '\012' x 2>/dev/null`" in
```

```
    foox) trnl='\012' ;;
```

```
    esac
```

```
fi
```

```

if test X"$trnl" = X; then
    case "`echo foo | tr '\r\n' xy 2>/dev/null`" in
        fooxy) trnl='\n\r' ;;
    esac
fi
if test X"$trnl" = X; then
    cat <<EOM >&2

```

\$me: Fatal Error: cannot figure out how to translate newlines with 'tr'.

```

EOM
exit 1
fi

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/trnl.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: installprefix.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera \$

?RCS:

?RCS: Copyright (c) 1999 Andy Dougherty

?RCS:

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?RCS: You may reuse parts of this distribution only within the terms of

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: installprefix.U,v \$

?RCS: Revision 1.1 1999/07/08 18:32:57 doughera

?RCS: Initial revision

?RCS:

?RCS:

?MAKE:installprefix installprefixexp: Getfile Loc \

Oldconfig afs cat package prefix

?MAKE: -pick add \$@ %<

?S:installprefix:

?S: This variable holds the name of the directory below which

?S: "make install" will install the package. For most users, this

?S: is the same

as prefix. However, it is useful for

?S: installing the software into a different (usually temporary)

?S: location after which it can be bundled up and moved somehow

?S: to the final location specified by prefix.

?S:.

```
?S:installprefixexp:
?S: This variable holds the full absolute path of installprefix
?S: with all ~-expansion done.
?S:.
: determine installation prefix for where package is to be installed.
if $afs; then
$cat <<EOM
```

Since you are running AFS, I need to distinguish the directory in which files will reside from the directory in which they are installed (and from which they are presumably copied to the former directory by occult means).

```
EOM
case "$installprefix" in
") dflt=`echo $prefix | sed 's#^/afs/#/afs/.#`;;
*) dflt="$installprefix";;
esac
else
$cat <<EOM
```

In some special cases, particularly when building \$package for distribution, it is convenient to distinguish the directory in which files should be installed from the directory (\$prefix) in which they will eventually reside. For most users, these two directories are the same.

```
EOM
case "$installprefix" in
") dflt=$prefix ;;
*) dflt=$installprefix;;
esac
fi
fn=d~
rp='What installation prefix should I use for installing files?'
./getfile
installprefix="$ans"
installprefixexp="$ansexp"
```

```
Found in path(s):
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/installprefix.U
No license file was found, but licenses were detected in source scan.
```

```
?RCS: $Id: d_strtok.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_strtok.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:07:38 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: The strtok routine now appears to be a standard one, but it was  
?X: missing in early BSD systems.  
?X:  
?MAKE:d\_strtok: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_strtok:  
?S: This variable conditionally defines HAS\_STRTOK if strtok() is  
?S: available to scan strings for tokens.  
?S:.  
?C:HAS\_STRTOK (STRTOK):  
?C: This symbol, if defined, indicates  
?C: that the strtok routine is  
?C: available to scan strings for tokens.  
?C:.  
?H:#\$d\_strtok HAS\_STRTOK /\*\*/  
?H:.  
?LINT:set d\_strtok  
: see if strtok exists  
set strtok d\_strtok  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_strtok.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: Cppsym.U,v \$  
?RCS: Revision 3.0.1.5 1995/05/12 11:59:11 ram

?RCS: patch54: split awk command onto two lines for older awks (ADO)

?RCS:

?RCS: Revision 3.0.1.4 1995/01/11 14:55:57 ram

?RCS: patch45: new cc vs. cpp symbol checking suggested by JHI

?RCS: patch45: added more cpp symbols (JHI)

?RCS:

?RCS: Revision 3.0.1.3 1994/10/29 15:51:32 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS: patch36: new symbols ardent and titan (ADO)

?RCS:

?RCS: Revision 3.0.1.2 1994/06/20  
06:53:32 ram

?RCS: patch30: extended cpp symbol lookup list (JHI)

?RCS: patch30: renamed attrlist symbol into al for brevity

?RCS:

?RCS: Revision 3.0.1.1 1993/12/15 08:14:14 ram

?RCS: patch15: added new cpp symbols \_\_bsdi\_\_ and BSD\_NET2

?RCS:

?RCS: Revision 3.0 1993/08/18 12:04:50 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit produces a shell script called Cppsym, which can be used to

?X: determine whether any in a list of symbols is defined by the C compilation

?X: chain (C preprocessor symbols plus C compiler native ones).

?X: It can determine the status of any symbol, though the symbols in \$al

?X: are more easily determined. If you want to add to \$al you can do

?X: it in Myinit.U.

?X:

?MAKE:Cppsym ccsymbols cppsymbols cppccsymbols: run \  
eunicefix Guess awk cat tr sed sort rm startsh osname \  
+cc gccversion test comm uniq echo Options trnl \  
optimize cflags ldflags libs

?MAKE: -pick add \$@ %<

?S:ccsymbols:

?S: The variable contains the symbols  
defined by the C compiler alone.

?S: The symbols defined by cpp or by cc when it calls cpp are not in

?S: this list, see cppsymbols and cppccsymbols.

?S: The list is a space-separated list of symbol=value tokens.

?S:.

?S:cppsymbols:

?S: The variable contains the symbols defined by the C preprocessor

?S: alone. The symbols defined by cc or by cc when it calls cpp are

?S: not in this list, see ccsymbols and cppccsymbols.

?S: The list is a space-separated list of symbol=value tokens.

?S:.

?S:cppccsymbols:

?S: The variable contains the symbols defined by the C compiler  
 ?S: when it calls cpp. The symbols defined by the cc alone or cpp  
 ?S: alone are not in this list, see ccsymbols and cppsymbols.  
 ?S: The list is a space-separated list of symbol=value tokens.  
 ?S:.  
 ?T:also symbols i postprocess\_cc\_v flags  
 ?F:./Cppsym  
 ?F:!Cppsym.true !Cppsym.know !ccsym.com !ccsym.cpp !ccsym.own  
 : determine known pre-processor and compiler symbols  
 echo " "  
 \$echo "Guessing which symbols your C compiler and preprocessor  
 define..." >&4  
 ?X:  
 ?X: The symbol list is in alpha order for ease of maintenance...  
 ?X:  
 ?X: Lots of new symbols (mostly rummaged from gcc), courtesy of  
 ?X: Jarkko Hietaniemi <jhi@snakemail.hut.fi> -- RAM, 06/06/94  
 ?X:  
 ?X: If your symbol is mixed case, just add it as-is.  
 ?X: All symbols will be transformed to both all-lower and all-upper.  
 ?X: Also drop any leading/trailing underscores, the scan will try all those.  
 ?X:  
 \$cat <<'EOSH' > Cppsym.know  
 a29k ABI64 aegis AES\_SOURCE AIX AIX32 AIX370  
 AIX41 AIX42 AIX43 AIX\_SOURCE aixpc ALL\_SOURCE  
 alliant alpha am29000 AM29000 AMD64 amiga AMIGAOS AMIX  
 ansi ANSI\_C\_SOURCE apollo ardent ARM32 atarist att386 att3b  
 BeOS BIG\_ENDIAN BIT\_MSF bsd BSD bsd43 bsd4\_2 bsd4\_3 BSD4\_3 bsd4\_4  
 BSD\_4\_3 BSD\_4\_4 BSD\_NET2 BSD\_TIME BSD\_TYPES BSDCOMPAT bsdi  
 bull c cadmus clipper CMU COFF COMPILER\_VERSION  
 concurrent convex cpu cray CRAY CRAYMPP ctix CX\_UX  
 CYGWIN DGUX DGUX\_SOURCE DJGPP dmert DOLPHIN DPX2 DSO  
 Dynix DynixPTX ELF encore EPI EXTENSIONS FAVOR\_BSD  
 FILE\_OFFSET\_BITS  
 FreeBSD GCC\_NEW\_VARARGS gcos gcx gimpel  
 GLIBC GLIBC\_MINOR  
 GNU\_SOURCE GNUC GNUC\_MINOR GNU\_LIBRARY GO32 gould GOULD\_PN  
 H3050R H3050RX hbullx20 hex host\_mips  
 hp200 hp300 hp700 HP700 hp800 hp9000  
 hp9000s200 hp9000s300 hp9000s400 hp9000s500  
 hp9000s700 hp9000s800 hp9k8 hp\_osf hppa hpux HPUX\_SOURCE  
 i186 i286 i386 i486 i586 i686 i8086 i80960 i860 I960  
 IA64 iAPX286 ibm ibm032 ibmesa IBMR2 ibmrt ILP32 ILP64  
 INLINE\_INTRINSICS INTRINSICS INT64 interdata is68k ksr1  
 LANGUAGE\_C LARGE\_FILE\_API LARGEFILE64\_SOURCE  
 LARGEFILE\_SOURCE LFS64\_LARGEFILE LFS\_LARGEFILE  
 Linux LITTLE\_ENDIAN LONG64 LONG\_DOUBLE LONG\_LONG  
 LONGDOUBLE LONGLONG LP64 luna luna88k Lynx

M68000 m68k m88100 m88k M88KBCS\_TARGET M\_COFF  
M\_I186 M\_I286 M\_I386 M\_I8086 M\_I86 M\_I86SM M\_SYS3  
M\_SYS5 M\_SYSIII M\_SYSV M\_UNIX M\_XENIX MACH machine MachTen  
MATH\_HAS\_NO\_SIDE\_EFFECTS  
mc300 mc500 mc68000 mc68010 mc68020 mc68030 mc68040  
mc68060 mc68k mc68k32 mc700 mc88000 mc88100 merlin  
mert MiNT mips MIPS\_FPSET MIPS\_ISA MIPS\_SIM MIPS\_SZINT  
MIPS\_SZLONG  
MIPS\_SZPTR MIPSEB MIPSEL MODERN\_C motorola  
mpeix MSDOS MTXINU MULTIMAX mvs MVS n16 ncl\_el ncl\_mr  
NetBSD news1500 news1700 news1800 news1900 news3700  
news700 news800 news900 NeXT NLS nonstopux ns16000 ns32000  
ns32016 ns32332 ns32k nsc32000  
OCS88 OEMVS OpenBSD os OS2 OS390 osf OSF1 OSF\_SOURCE  
pa\_risc PA\_RISC1\_1 PA\_RISC2\_0 PARAGON parisc  
pc532 pdp11 PGC PIC plexus PORTAR posix  
POSIX1B\_SOURCE POSIX2\_SOURCE POSIX4\_SOURCE  
POSIX\_C\_SOURCE POSIX\_SOURCE POWER  
PROTOTYPES PWB pyr QNX R3000 REENTRANT RES Rhapsody RISC6000  
riscix riscos RT S390 SA110 scs SCO sequent sgi SGI\_SOURCE SH3 sinix  
SIZE\_INT SIZE\_LONG SIZE\_PTR SOCKET\_SOURCE SOCKETS\_SOURCE  
sony sony\_news sonyrisc sparc sparclite spectrum  
stardent stdc STDC\_EXT stratos sun sun3 sun386  
Sun386i svr3 svr4 SVR4\_2 SVR4\_SOURCE svr5  
SX system SYSTYPE\_BSD SYSTYPE\_BSD43 SYSTYPE\_BSD44  
SYSTYPE\_SVR4 SYSTYPE\_SVR5 SYSTYPE\_SYSV SYSV SYSV3 SYSV4 SYSV5  
sysV68 sysV88 Tek4132 Tek4300 titan  
TM3200 TM5400 TM5600  
tower tower32 tower32\_200 tower32\_600 tower32\_700  
tower32\_800  
tower32\_850 tss  
u370 u3b u3b2 u3b20 u3b200 u3b20d u3b5  
ultrix UMAXV UnicomPBB UnicomPBD UNICOS UNICOSMK  
unix UNIX95 UNIX99 unixpc unos  
USE\_BSD USE\_FILE\_OFFSET64 USE\_GNU USE\_ISOC9X USE\_LARGEFILE USE\_LARGEFILE64  
USE\_MISC USE\_POSIX USE\_POSIX199309 USE\_POSIX199506 USE\_POSIX2  
USE\_REENTRANT USE\_SVID USE\_UNIX98 USE\_XOPEN USE\_XOPEN\_EXTENDED  
USGr4 USGr4\_2  
Utek UTeK UTS UWIN uxpm uxps vax venix VMESA vms xenix Xenix286  
XOPEN\_SOURCE XOPEN\_SOURCE\_EXTENDED XPG2 XPG2\_EXTENDED  
XPG3 XPG3\_EXTENDED XPG4 XPG4\_EXTENDED  
z8000  
EOSH  
?X: Maybe put other stuff here too.  
cat <<EOSH >>Cppsym.know  
\$osname  
EOSH  
./tr '[a-z]' '[A-Z]' < Cppsym.know > Cppsym.a

```

./tr '[A-Z]' '[a-z]' < Cppsym.know > Cppsym.b
$cat Cppsym.know > Cppsym.c
$cat Cppsym.a Cppsym.b Cppsym.c | $tr ' ' $trnl | $sort | $uniq > Cppsym.know
$rm -f Cppsym.a Cppsym.b Cppsym.c
cat <<EOSH > Cppsym
$startsh
if $test $# -gt 0; then
    echo $* | $tr " " "$trnl" | ./Cppsym.try > Cppsym.got
    if $test -s Cppsym.got; then
        $rm -f Cppsym.got
        exit 0
    fi
    $rm -f Cppsym.got
    exit 1
else
    $tr " " "$trnl" | ./Cppsym.try
    exit 0
fi
EOSH
chmod +x Cppsym
$seunicefix Cppsym
?X: The below awk script will die a horrible death if
?X: some of the tested symbols are not long ints.
?X: Also, we do not make difference between just defined and defined zero.
cat <<EOSH > Cppsym.try
$startsh
cat <<'EOCP' > try.c
#include <stdio.h>
int main() {
EOCP
?X: The length($1) command guards against possible empty entries.
?X: The awk snippet is know to give heartburn to UNICOS/mk awk.
$awk \\
EOSH
cat <<'EOSH' >> Cppsym.try
'length($1) > 0 {
    printf "#ifdef %s\n#if %s+0\nprintf(\"%s=%ld\n\", (long)%s);\n#else\nprintf(\"%s\n\");\n#endif\n#endif\n", $1,
$1, $1, $1, $1
    printf "#ifdef __%s\n#if __%s+0\nprintf(\"_%s=%ld\n\",
(long)_%s);\n#else\nprintf(\"_%s\n\");\n#endif\n#endif\n", $1, $1, $1, $1, $1
    printf "#ifdef __%s\n#if __%s+0\nprintf(\"_%s=%ld\n\",
(long)_%s);\n#else\nprintf(\"_%s\n\");\n#endif\n#endif\n",
$1, $1, $1, $1, $1
    printf "#ifdef __%s_\n#if __%s__+0\nprintf(\"_%s__=%ld\n\",
(long)_%s__);n#else\nprintf(\"_%s__\n\");\n#endif\n#endif\n", $1, $1, $1, $1, $1
}' >> try.c
echo 'return 0;}' >> try.c
EOSH

```



```

cat <<EOSH >> Cppsym.try
flags="$ccflags"
case "$osname-$gccversion" in
irix-) flags="\$flags -woff 1178" ;;
os2-*) flags="\$flags -Zlinker /PM:VIO" ;;
esac
$cc -o try $optimize \$flags $ldflags try.c $libs && $run ./try
EOSH
chmod +x Cppsym.try
$unicefix Cppsym.try
./Cppsym < Cppsym.know > Cppsym.true
: now check the C compiler for additional symbols
?X: suggested by Jarkko Hietaniemi <jhi@snakemail.hut.fi>, thanks!
postprocess_cc_v="
case "$osname" in
aix) postprocess_cc_v="|str , ' "' ;;
esac
$cat >ccsym <<EOS
$startsh
$cat >tmp.c <<EOF
extern int foo;
EOF
for i in ` $cc -v -c tmp.c 2>&1 $postprocess_cc_v `
do
case "$i" in
-D*) echo "$i" | $sed 's/^-D//';;
-A*) $test "$gccversion" && echo "$i" | $sed 's/^-A// | $sed 's/^(.*)/(.*)\1=2/';;
esac
done
$rm
-f try.c
EOS
postprocess_cc_v="
chmod +x ccsym
$unicefix ccsym
./ccsym > ccsym1.raw
?X: AIX complains if $uniq is passed an empty file. ($sort apparently
?X: doesn't care.) --AD 14 July 1998
if $test -s ccsym1.raw; then
    $sort ccsym1.raw | $uniq >ccsym.raw
else
    mv ccsym1.raw ccsym.raw
fi

?X: canonicalize symbols for easier sort/uniq/comm usage: append =1 if no = sign
?X: the awk script must be on two lines for older awk programs, sigh! -- ADO
$awk '\n=/' { print $0; next }
{ print $0"=1" }' ccsym.raw >ccsym.list

```

```

Sawk '/^=/ { print $0; next }
{ print $0="1" }' Cppsym.true >ccsym.true
$comm -13 ccsym.true ccsym.list >ccsym.own
$comm -12 ccsym.true ccsym.list >ccsym.com
$comm -23 ccsym.true ccsym.list >ccsym.cpp
also="
if $test -z ccsym.raw; then
echo "Your C compiler doesn't seem to define any symbols!" >&4
echo " "
echo "However, your C preprocessor defines the following symbols:"
$cat Cppsym.true
  ccsymbols="
cppsymbols=`$cat Cppsym.true`
  cppsymbols=`echo
$cppsymbols`
cppccsymbols="$cppsymbols"
else
if $test -s ccsym.com; then
echo "Your C compiler and pre-processor define these symbols:"
$sed -e 's/(.*\)=.*\1/' ccsym.com
also='also '
symbols='ones'
cppccsymbols=`$cat ccsym.com`
cppccsymbols=`echo $cppccsymbols`
$test "$$silent" || sleep 1
fi
if $test -s ccsym.cpp; then
$test "$$also" && echo " "
echo "Your C pre-processor ${also}defines the following symbols:"
$sed -e 's/(.*\)=.*\1/' ccsym.cpp
also='further '
cppsymbols=`$cat ccsym.cpp`
cppsymbols=`echo $cppsymbols`
$test "$$silent" || sleep 1
fi
if $test -s ccsym.own; then
$test "$$also" && echo " "
echo "Your C compiler ${also}defines the following cpp symbols:"
$sed -e 's/(.*\)=1\1/' ccsym.own
$sed -e 's/(.*\)=.*\1/' ccsym.own | $uniq >>Cpsym.true
  ccsymbols=`$cat ccsym.own`
  ccsymbols=`echo $ccsymbols`
$test "$$silent" || sleep 1
fi
fi
$rm -f Cpsym.know Cpsym.true

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Cppsym.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_sterror.U,v \$

?RCS: Revision 3.0.1.3 1994/05/13 15:20:27 ram

?RCS: patch27: now uses new macro support for cleaner Strerror def

?RCS:

?RCS: Revision 3.0.1.2 1994/05/06 14:58:26 ram

?RCS: patch23: renamed strerror into Strerror to protect name space (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/01/24 14:08:56 ram

?RCS: patch16: protected code looking for sys\_errnolist[] with @if

?RCS: patch16: added default value for d\_syserrlst

?RCS:

?RCS: Revision 3.0 1993/08/18 12:07:35 ram

?RCS: Baseline

for dist 3.0 netwide release.

?RCS:

?MAKE:d\_sterror d\_syserrlst d\_syserrlst d\_strerrm: contains Csym Findhdr

?MAKE: -pick add \$@ %<

?S:d\_sterror:

?S: This variable conditionally defines HAS\_STRERROR if strerror() is

?S: available to translate error numbers to strings.

?S:.

?S:d\_syserrlst:

?S: This variable conditionally defines HAS\_SYS\_ERRLIST if sys\_errlist[] is

?S: available to translate error numbers to strings.

?S:.

?S:d\_syserrlst:

?S: This variable conditionally defines HAS\_SYS\_ERRNOLIST if sys\_errnolist[]

?S: is available to translate error numbers to the symbolic name.

?S:.

?S:d\_strerrm:

?S: This variable holds what Strerrr is defined as to translate an error

?S: code condition into an error message string. It could be 'strerror'

?S: or a more complex macro emulating strrror with sys\_errlist[], or the

?S: "unknown" string when both strerror and sys\_errlist are missing.

?S:.

?C:HAS\_STRERROR (STRERROR):

?C: This symbol, if defined, indicates that the strerror routine is

?C: available

to translate error numbers to strings. See the writeup

?C: of Strerror() in this file before you try to define your own.

?C:.

?C:HAS\_SYS\_ERRLIST (SYSERRLIST):

?C: This symbol, if defined, indicates that the sys\_errlist array is

?C: available to translate error numbers to strings. The extern int

?C: sys\_nerr gives the size of that table.

?C:.

?C:HAS\_SYS\_ERRNOLIST (SYSERRNOLIST):

?C: This symbol, if defined, indicates that the sys\_errnolist array is

?C: available to translate an errno code into its symbolic name (e.g.

?C: ENOENT). The extern int sys\_nerrno gives the size of that table.

?C:.

?C:Strerror:

?C: This preprocessor symbol is defined as a macro if strerror() is

?C: not available to translate error numbers to strings but sys\_errlist[]

?C: array is there.

?C:.

?H:#\$d\_strerror HAS\_STRERROR /\*\*/

?H:#\$d\_syserrlst HAS\_SYS\_ERRLIST /\*\*/

?H:#\$d\_syserrnolist HAS\_SYS\_ERRNOLIST /\*\*/

?H:#define Strerror(e) \$d\_strerror

?H:.

?D:d\_syserrnolist="

?T:xxx val

: see if strerror and/or sys\_errlist[]

exist

echo " "

if set strerror val -f d\_strerror; eval \$csym; \$val; then

echo 'strerror() found.' >&4

d\_strerror="\$define"

d\_strerrorm='strerror(e)'

if set sys\_errlist val -a d\_syserrlst; eval \$csym; \$val; then

echo "(You also have sys\_errlist[], so we could roll our own strerror.)"

d\_syserrlst="\$define"

else

echo "(Since you don't have sys\_errlist[], strerror() is welcome.)"

d\_syserrlst="\$undef"

fi

elif xxx=`./findhdr string.h`; test "\$xxx" || xxx=`./findhdr strings.h`; \

\$contains '#[ ]\*define.\*strerror' "\$xxx" >/dev/null 2>&1; then

echo 'strerror() found in string header.' >&4

d\_strerror="\$define"

d\_strerrorm='strerror(e)'

```

if set sys_errlist val -a d_syserrlst; eval $csym; $val; then
  echo "(Most probably, strerror() uses sys_errlist[] for descriptions.)"
  d_syserrlst="$define"
else
  echo "(You don't appear to have any sys_errlist[], how can this be?)"
  d_syserrlst="$undef"
fi
elif set sys_errlist val -a d_syserrlst; eval $csym; $val; then
echo "strerror()
not found, but you have sys_errlist[] so we'll use that." >&4
d_strerror="$undef"
d_syserrlst="$define"
d_strerrorm='(e)<0|(e)>=sys_nerr?"unknown":sys_errlist[e]'
else
echo 'strerror() and sys_errlist[] NOT found.' >&4
d_strerror="$undef"
d_syserrlst="$undef"
d_strerrorm="unknown"
fi
@if d_syserrlst || HAS_SYS_ERRNOLIST
if set sys_errnolist val -a d_syserrlst; eval $csym; $val; then
  echo "(Symbolic error codes can be fetched via the sys_errnolist[] array.)"
  d_syserrlst="$define"
else
  echo "(However, I can't extract the symbolic error code out of errno.)"
  d_syserrlst="$undef"
fi
@end

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_strerror.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: usedtrace.U,v \$

?RCS:

?RCS: Copyright (c) 2008 H.Merijn Brand

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: \$Log: usedtrace.U,v \$

?RCS:

?MAKE:usedtrace dtrace: Myread Oldconfig Setvar Getfile test

?MAKE: -pick add \$@ %<

?Y:TOP

?S:usedtrace:

?S: This variable indicates whether we are compiling with dtrace

?S: support. See also dtrace.  
 ?S:.  
 ?S:dtrace:  
 ?S: This variable holds the location of the dtrace executable.  
 ?S:.  
 ?C:USE\_DTRACE:  
 ?C: This symbol, if defined, indicates that Perl should  
 ?C: be built with support for DTrace.  
 ?C:.  
 ?H:#\$usedtrace USE\_DTRACE /\*\*/  
 ?H:.  
 ?T:dflt\_dtrace  
 ?LINT:set usedtrace  
 ?LINT:set dtrace  
 : DTrace support  
 dflt\_dtrace='/usr/sbin/dtrace'  
 \$test -x /usr/bin/dtrace && dflt\_dtrace='/usr/bin/dtrace'

cat <<EOM

Perl can be built to support DTrace on platforms that support  
 it.  
 DTrace is a diagnosis and performance analysis tool from Sun.

If this doesn't make any sense to you, just accept the default.  
 EOM

```
while $test 1 ; do
  case "$usedtrace" in
    $define|true|[yY]*)
      dflt='y'
      ;;
    ?*)
      dflt='y'
      dflt_dtrace=$usedtrace
      ;;
    *)
      dflt='n'
      ;;
  esac
```

```
rp='Support DTrace if available?'
. ./myread
case "$ans" in
  y|Y) val="$define" ;;
  *)   val="$undef" ;;
esac
set usedtrace
```

```

eval $setvar

test "X$usedtrace" != "X$define" && break

echo " "
rp='Where is the dtrace executable?'
dflt=$dflt_dtrace
./getfile
val="$ans"
set dtrace
eval $setvar

if $test -f $dtrace
then
if $dtrace -h -s ../perldtrace.d \
-o perldtrace.tmp >/dev/null 2>&1 \
&& rm -f perldtrace.tmp
then
echo " "
echo "Good: your $dtrace knows about the -h flag."
else
cat >&2 <<EOM

*** $me: Fatal Error: $dtrace doesn't support -h flag
***
*** Your installed dtrace doesn't support the -h switch to compile a D
*** program into a C header. Can't continue.

EOM
exit
1
fi
break;
fi

case "$fastread" in
yes)
cat >&2 <<EOM

*** $me: Fatal Error: $dtrace not found.
*** Can't continue.

EOM
exit 1
;;
*)
echo "*** $dtrace was not found."
echo " "

```

```
;;
esac
done
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/usedtrace.U
```

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```
?RCS: $Id: h_fcntl.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
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```

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```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: h_fcntl.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:08:12 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:h_fcntl: Nothing
```

```
?MAKE: -pick add $@ %<
```

```
?S:h_fcntl:
```

```
?S: This is variable gets set in various places to tell i_fcntl that
```

```
?S: <fcntl.h> should be included.
```

```
?S:.
```

```
: Initialize h_fcntl
```

```
h_fcntl=false
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/h_fcntl.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 2004 H.Merijn Brand
```

```
?RCS:
```

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?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:d_strlcat: Inlibc Hasproto d_gnulibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_strlcat:
```

```
?S: This variable conditionally defines the HAS_STRLCAT symbol, which
```



```

?S: indicates to the C program that the strlcat () routine is available.
?S:.
?C:HAS_STRLCAT:
?C: This symbol, if defined, indicates that the strlcat () routine is
?C: available to do string concatenation.
?C:.
?H:#$d_strlcat HAS_STRLCAT /**/
?H:.
?T:d_strlcat_proto xx1 xx2 xx3 xx4
?LINT:set d_strlcat
: see if strlcat exists
: We need both a prototype in string.h and the symbol in libc.
echo " "
d_strlcat_proto="
xx1="#$d_gnulibc HAS_GNULIBC"
xx2='#if defined(HAS_GNULIBC) && !defined(_GNU_SOURCE)'
xx3='# define _GNU_SOURCE'
xx4='#endif'
set d_strlcat_proto
strlcat literal "$xx1" literal "$xx2" literal "$xx3" literal "$xx4" define string.h
eval $hasproto
case "$d_strlcat_proto" in
define) # see if strlcat exists
set strlcat d_strlcat
eval $inlibc
;;
*) val=$undef
set d_strlcat
eval $setvar
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/d_strlcat.U

```

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```

?RCS: $Id: d_getservbyport_r.U,v 0RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.
?RCS:
?MAKE:d_getservbyport_r getservbyport_r_proto: Inlibc Protochk Hasproto \
i_systypes usethreads i_netdb extern_C
?MAKE: -pick add $@ %<

```

?S:d\_getservbyport\_r:  
 ?S: This variable conditionally defines the HAS\_GETSERVBYPORTR symbol,  
 ?S: which indicates to the C program that the getservbyport\_r()  
 ?S: routine is available.  
 ?S:.

?S:getservbyport\_r\_proto:  
 ?S: This variable encodes the prototype of getservbyport\_r.  
 ?S: It is zero if d\_getservbyport\_r is undef, and one of the  
 ?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getservbyport\_r  
 ?S: is defined.  
 ?S:.

?C:HAS\_GETSERVBYPORTR:  
 ?C: This symbol, if defined, indicates  
 that the getservbyport\_r routine  
 ?C: is available to getservbyport re-entrantly.  
 ?C:.

?C:GETSERVBYPORTR\_PROTO:  
 ?C: This symbol encodes the prototype of getservbyport\_r.  
 ?C: It is zero if d\_getservbyport\_r is undef, and one of the  
 ?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getservbyport\_r  
 ?C: is defined.  
 ?C:.

?H:#\$d\_getservbyport\_r HAS\_GETSERVBYPORTR /\*\*/  
 ?H:#define GETSERVBYPORTR\_PROTO \$getservbyport\_r\_proto /\*\*/  
 ?H:.

?T:try hdrs d\_getservbyport\_r\_proto  
 : see if getservbyport\_r exists  
 set getservbyport\_r d\_getservbyport\_r  
 eval \$inlibc  
 case "\$d\_getservbyport\_r" in  
 "\$define")  
 hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_netdb netdb.h"  
 case "\$d\_getservbyport\_r\_proto:\$usethreads" in  
 ":define") d\_getservbyport\_r\_proto=define  
 set d\_getservbyport\_r\_proto getservbyport\_r \$hdrs  
 eval \$hasproto ;;  
 \*) ;;  
 esac  
 case "\$d\_getservbyport\_r\_proto" in  
 define)  
 case "\$getservbyport\_r\_proto" in  
 "|0) try='int getservbyport\_r(int, const char\*, struct servent\*, char\*, size\_t,  
 struct servent\*\*);'  
 ./protochk "\$extern\_C \$try" \$hdrs && getservbyport\_r\_proto=I\_ICSBWR ;;  
 esac  
 case "\$getservbyport\_r\_proto" in  
 "|0) try='struct servent\* getservbyport\_r(int, const char\*, struct servent\*, char\*, int);'  
 ./protochk "\$extern\_C \$try" \$hdrs && getservbyport\_r\_proto=S\_ICSBFI ;;

```

esac
case "$getservbyport_r_proto" in
"|0) try='int getservbyport_r(int, const char*, struct servent*, struct servent_data*);'
./protochk "$extern_C $try" $hdrs && getservbyport_r_proto=I_ICSD ;;
esac
case "$getservbyport_r_proto" in
"|0) d_getservbyport_r=undef
getservbyport_r_proto=0
echo "Disabling getservbyport_r, cannot determine prototype." >&4 ;;
*) case "$getservbyport_r_proto" in
REENTRANT_PROTO*) ;;
*) getservbyport_r_proto="REENTRANT_PROTO_${getservbyport_r_proto}" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usetthreads" in
define) echo "getservbyport_r has no prototype, not using it." >&4 ;;
esac
d_getservbyport_r=undef
getservbyport_r_proto=0
;;
esac
;;
*) getservbyport_r_proto=0
;;
esac

```

Found

in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_getservbyport\_r.U

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Thomas Neumann <tom@smart.bo.open.de>

?RCS:

?RCS: \$Log: Findhdr.U,v \$

?RCS: Revision 3.0.1.2 1994/10/29 15:53:08 ram

```

?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0.1.1 1994/05/06 14:03:56 ram
?RCS: patch23: cppminus must be after other cppflags, not before
?RCS:
?RCS: Revision 3.0 1993/08/18 12:04:54 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a findhdr script which is used to locate the header
?X: files
?X: in $usrinc or other stranger places using cpp capabilities. The
?X: script is given an include file base name, like 'stdio.h' or 'sys/file.h'
?X: and it returns the full path of the include file and a zero status or an
?X: empty string with an error status if the file could not be located.
?X:
?MAKE:Findhdr: grep test tr rm +usrinc awk cat startsh \
cppstdin cppminus +cppflags eunicefix osname
?MAKE: -pick add $@ %<
?LINT:define fieldn
?S:fieldn:
?S: This variable is used internally by Configure. It contains the position
?S: of the included file name in cpp output. That is to say, when cpp
?S: pre-processes a #include <file> line, it replaces it by a # line which
?S: contains the original position in the input file and the full name of
?S: included file, between "quotes".
?S:
?V:fieldn
?F:./findhdr !fieldn
?T:cline pos wanted name awkprg cppfilter testaccess status usrincdir
: determine filename position in cpp output
echo " "
echo "Computing filename position in cpp output for #include
directives..." >&4
echo '#include <stdio.h>' > foo.c
case "$osname" in
vos)
testaccess=-e
?X: VOS: path component separator is >
cppfilter="tr '\\\>' '/' |"
;;
*)
testaccess=-r
cppfilter="
;;
esac
$cat >fieldn <<EOF
$startsh

```

```

$cppstdin $cppflags $cppminus <foo.c 2>/dev/null | \
$grep '^[ ]*#.*stdio\.h'| \
while read cline; do
  pos=1
  set $cline
  while $test $# -gt 0; do
    if $test $testaccess `echo $1 | $str -d ""`; then
      echo "$pos"
      exit 0
    fi
    shift
    pos=`expr $pos + 1`
  done
done
EOF
chmod +x fieldn
fieldn=`./fieldn`
$rm -f foo.c fieldn
case $fieldn in
  ") pos='???';;
  1) pos=first;;
  2) pos=second;;
  3) pos=third;;
  *) pos="$fieldn"th";;
esac
echo "Your cpp writes the filename in the $pos field of the line."

```

?X: To locate a header file, we cannot simply check for \$usrinc/file.h, since  
?X: some machine have the headers in weird places and our only hope is that  
?X: the C pre-processor will know how to find those headers. Thank you Next!

: locate header file

```

$cat
>findhdr <<EOF
$startsh
wanted=$1
name=""
for usrincdir in $usrinc; do
  if test -f $usrincdir/$wanted; then
    echo "$usrincdir/$wanted"
    exit 0
  fi
done
awkprg='{ print $$fieldn }'
echo "#include <$wanted>" > foo\$.c
$cppstdin $cppminus $cppflags < foo\$.c 2>/dev/null | \
$cppfilter $grep '^[ ]*#.*$wanted' | \
while read cline; do
  name=`echo $cline | $awk "$awkprg" | $str -d ""`

```

```

case "$name" in
*[/\]\$wanted) echo "$name"; exit 1;;
*[\]\$wanted) echo "$name"; exit 1;;
*) exit 2;;
esac
done
?X: status = 0: grep returned 0 lines, case statement not executed
?X: status = 1: headerfile found
?X: status = 2: while loop executed, no headerfile found
status=$?
$rm -f foo\$\$.c
if test $status -eq 1; then
  exit 0
fi
exit 1
EOF
chmod +x findhdr
$unicefix findhdr

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Findhdr.U
```

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```

?RCS: $Id: cc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: cc.U,v $
?RCS: Revision 3.0.1.4 1995/05/12 12:06:47 ram
?RCS: patch54: may now abort Configure when cc does not work
?RCS:
?RCS: Revision 3.0.1.3 1995/01/11 15:20:11 ram
?RCS: patch45: changed gcc checking message to a more explicit one (WED)
?RCS:
?RCS: Revision 3.0.1.2 1994/10/29 16:04:29 ram
?RCS: patch36: detect gcc even when not called as 'gcc' (ADO)
?RCS: patch36: simplified gcc version checking (ADO)
?RCS: patch36: added ?F: line for metalint
file checking
?RCS:
?RCS: Revision 3.0.1.1 1994/05/06 14:26:06 ram

```

```

?RCS: patch23: added support for gcc version (ADO)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:30 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:cc: Myread Oldconfig Checkcc test
?MAKE: -pick add $@ %<
?S:cc:
?S: This variable holds the name of a command to execute a C compiler which
?S: can resolve multiple global references that happen to have the same
?S: name. Usual values are 'cc' and 'gcc'.
?S: Fervent ANSI compilers may be called 'c89'. AIX has xlc.
?S:.
?F:!cc.cbu
?D:cc='cc'
: Determine the C compiler to be used
echo " "
case "$cc" in
") dflt=cc;;
*) dflt="$cc";;
esac
rp="Use which C compiler?"
. ./myread
cc="$ans"

: See whether they have no cc but they do have gcc
. ./trygcc
?X: Look for a hint-file generated 'call-back-unit'. Now that the
?X: user has specified the compiler, we may need to set or change some
?X: other defaults.
if $test -f cc.cbu; then
. ./cc.cbu
fi
. ./checkcc

Found
in path(s):
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/cc.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: i_fp.U,v $
?RCS:
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?RCS:

```

?MAKE:i\_fp: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_fp:  
?S: This variable conditionally defines the I\_FP symbol, and indicates  
?S: whether a C program should include <fp.h>.  
?S:.  
?C:I\_FP:  
?C: This symbol, if defined, indicates that <fp.h> exists and  
?C: should be included.  
?C:.  
?H:#\$i\_fp I\_FP /\*\*/  
?H:.  
?LINT:set i\_fp  
: see if this is a fp.h system  
set fp.h i\_fp  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_fp.U

No license file was found, but licenses were detected in source scan.

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?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_csh.U,v \$  
?RCS: Revision 3.0.1.1 1997/02/28 15:32:18 ram  
?RCS: patch61: added full\_csh to preserve the full path even when portable  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:53 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_csh full\_csh: csh Setvar  
?MAKE: -pick add \$@ %<  
?S:d\_csh:  
?S: This variable conditionally defines the CSH symbol, which  
?S: indicates to the C program that the C-shell exists.  
?S:.  
?S:full\_csh:  
?S: This variable contains the full pathname to 'csh', whether



or

?S: not the user has specified 'portability'. This is only used

?S: in the compiled C program, and we assume that all systems which

?S: can share this executable will have the same full pathname to

?S: 'csh.'

?S:.

?X: Yes, I know about the C symbol PORTABLE, but I think csh

?X: is unlikely to move, and I'm too lazy to add all the

?X: #ifdef PORTABLE sections to the perl source.

?X:

?C:HAS\_CSH:

?C: This symbol, if defined, indicates that the C-shell exists.

?C:.

?C:CSH:

?C: This symbol, if defined, contains the full pathname of csh.

?C:.

?X: Previously, I just did \$d\_csh CSH "\$full\_csh", but that caused

?X: problems on VMS where the config.sh extraction program changes

?X: \$undef to a real cpp undef, and they then had #undef CSH ""

?X: which the compiler didn't like. It's easy to work around this,

?X: so I did. --AD 3/1998.

?X: And we don't want to define CSH if !HAS\_CSH, but we don't want

?X: those lines in config.h if they don't need CSH, so protect with ?CSH

?X: and not

?%<. --RAM, 15/02/2004

?H:)%<:#\$d\_csh HAS\_CSH /\*\*/

?H:)?CSH:#ifdef HAS\_CSH

?H:)?CSH:#define CSH "\$full\_csh" /\*\*/

?H:)?CSH:#endif

?H:.

?LINT:set d\_csh

: get csh whereabouts

case "\$csh" in

'csh') val="\$undef" ;;

\*) val="\$define" ;;

esac

set d\_csh

eval \$setvar

: Respect a hint or command line value for full\_csh.

case "\$full\_csh" in

") full\_csh=\$csh ;;

esac

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_csh.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_pwd.U,v \$

?RCS: Revision 3.0.1.2 1995/07/25 14:10:57 ram

?RCS: patch56: use setvar so hint file values can override our guesses (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 15:03:27 ram

?RCS: patch23: had forgotten cppminus in cppstdin test (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:08:25 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit checks whether there is a pwd system or not

?X:

?MAKE:i\_pwd d\_pwquota d\_pwage d\_pwchange d\_pwclass d\_pwexpire d\_pwcomment:  
\  
contains rm cppstdin cppflags cppminus Inhdr Findhdr Setvar

?MAKE:-pick add \$@ %<

?S:i\_pwd:

?S: This variable conditionally defines I\_PWD, which indicates  
?S: to the C program that it should include <pwd.h>.

?S:.

?S:d\_pwquota:

?S: This variable conditionally defines PWQUOTA, which indicates  
?S: that struct passwd contains pw\_quota.

?S:.

?S:d\_pwage:

?S: This variable conditionally defines PWAGE, which indicates  
?S: that struct passwd contains pw\_age.

?S:.

?S:d\_pwchange:

?S: This variable conditionally defines PWCHANGE, which indicates  
?S: that struct passwd contains pw\_change.

?S:.

?S:d\_pwclass:

?S: This variable conditionally defines PWCLASS, which indicates  
?S: that struct passwd contains pw\_class.

?S:.

?S:d\_pwexpire:

?S: This variable conditionally defines PWEXPIRE, which indicates  
 ?S: that struct passwd contains pw\_expire.  
 ?S:.  
 ?S:d\_pwcomment:  
 ?S: This variable conditionally defines PWCOMMENT, which indicates  
 ?S: that struct passwd contains pw\_comment.  
 ?S:.  
 ?C:I\_PWD:  
 ?C: This symbol,  
 if defined, indicates to the C program that it should  
 ?C: include <pwd.h>.  
 ?C:.  
 ?C:PWQUOTA:  
 ?C: This symbol, if defined, indicates to the C program that struct passwd  
 ?C: contains pw\_quota.  
 ?C:.  
 ?C:PWAGE:  
 ?C: This symbol, if defined, indicates to the C program that struct passwd  
 ?C: contains pw\_age.  
 ?C:.  
 ?C:PWCHANGE:  
 ?C: This symbol, if defined, indicates to the C program that struct passwd  
 ?C: contains pw\_change.  
 ?C:.  
 ?C:PWCLASS:  
 ?C: This symbol, if defined, indicates to the C program that struct passwd  
 ?C: contains pw\_class.  
 ?C:.  
 ?C:PWEXPIRE:  
 ?C: This symbol, if defined, indicates to the C program that struct passwd  
 ?C: contains pw\_expire.  
 ?C:.  
 ?C:PWCOMMENT:  
 ?C: This symbol, if defined, indicates to the C program that struct passwd  
 ?C: contains pw\_comment.  
 ?C:.  
 ?H:#\$i\_pwd I\_PWD /\*\*/  
 ?H:#\$d\_pwquota PWQUOTA /\*\*/  
 ?H:#\$d\_pwage PWAGE /\*\*/  
 ?H:#\$d\_pwchange PWCHANGE /\*\*/  
 ?H:#\$d\_pwclass PWCLASS /\*\*/  
 ?H:#\$d\_pwexpire PWEXPIRE /\*\*/  
 ?H:#\$d\_pwcomment PWCOMMENT /\*\*/  
 ?H:.  
 ?LINT: set i\_pwd d\_pwquota  
 d\_pwage d\_pwchange d\_pwclass d\_pwexpire d\_pwcomment  
 ?T:xxx  
 : see if this is a pwd.h system

```

set pwd.h i_pwd
eval $inhdr

case "$i_pwd" in
$define)
xxx=`./findhdr pwd.h`
$cppstdin $cppflags $cppminus < $xxx >$$h

if $contains 'pw_quota' $$h >/dev/null 2>&1; then
val="$define"
else
val="$undef"
fi
set d_pwquota
eval $setvar

if $contains 'pw_age' $$h >/dev/null 2>&1; then
val="$define"
else
val="$undef"
fi
set d_pwage
eval $setvar

if $contains 'pw_change' $$h >/dev/null 2>&1; then
val="$define"
else
val="$undef"
fi
set d_pwchange
eval $setvar

if $contains 'pw_class' $$h >/dev/null 2>&1; then
val="$define"
else
val="$undef"
fi
set d_pwclass
eval $setvar

if $contains 'pw_expire' $$h >/dev/null 2>&1; then
val="$define"
else
val="$undef"
fi
set d_pwexpire
eval $setvar

```

```

if $contains 'pw_comment' $$h >/dev/null 2>&1; then
    val="$define"
else
    val="$undef"
fi
set d_pwcomment
eval $setvar

$rm -f $$h
;;
*)
val="$undef";
set
d_pwquota; eval $setvar
d_pwage; eval $setvar
d_pwchange; eval $setvar
d_pwclass; eval $setvar
d_pwexpire; eval $setvar
d_pwcomment; eval $setvar
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_pwd.U
```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_loconv.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_loconv.U,v $
?RCS: Revision 3.0.1.1 1994/10/29 16:14:11 ram
?RCS: patch36: created by ADO
?RCS:
?MAKE:d_loconv: Inlibc
?MAKE: -pick add $@ %<
?S:d_loconv:
?S: This variable conditionally defines HAS_LOCALECONV if localeconv() is
?S: available for numeric and monetary formatting conventions.

```

?S:  
?C:HAS\_LOCALECONV:  
?C: This symbol, if defined, indicates that the localeconv  
routine is  
?C: available for numeric and monetary formatting conventions.  
?C:.  
?H:#\$d\_loconv HAS\_LOCALECONV /\*\*/  
?H:.  
?LINT:set d\_loconv  
: see if localeconv exists  
set localeconv d\_loconv  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_loconv.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_fd\_set.U,v \$  
?RCS: Revision 3.0.1.3 1997/02/28 15:33:16 ram  
?RCS: patch61: added ?F: metalint hint  
?RCS:  
?RCS: Revision 3.0.1.2 1994/06/20 06:57:23 ram  
?RCS: patch30: extended scope for fd\_set checks (ADO)  
?RCS:  
?RCS: Revision 3.0.1.1 1994/01/24 14:06:27 ram  
?RCS: patch16: comments for HAS\_FD\_\* symbols were not consistent  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:06:02 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_fd\_set d\_fd\_macros d\_fds\_bits: cat +cc +ccflags rm Oldconfig  
\  
d\_socket i\_system i\_sysselect i\_syssock  
?MAKE: -pick add \$@ %<  
?S:d\_fd\_set:  
?S: This variable contains the eventual value of the HAS\_FD\_SET symbol,  
?S: which indicates if your C compiler knows about the fd\_set typedef.

?S:  
 ?S:d\_fd\_macros:  
 ?S: This variable contains the eventual value of the HAS\_FD\_MACROS symbol,  
 ?S: which indicates if your C compiler knows about the macros which  
 ?S: manipulate an fd\_set.  
 ?S:  
 ?S:d\_fds\_bits:  
 ?S: This variable contains the eventual value of the HAS\_FDS\_BITS symbol,  
 ?S: which indicates if your fd\_set typedef contains the fds\_bits member.  
 ?S: If you have an fd\_set typedef, but the dweebs who installed it did  
 ?S: a half-fast job and neglected to provide the macros to manipulate  
 ?S: an fd\_set, HAS\_FDS\_BITS will let us know how to fix the gaffe.  
 ?S:  
 ?C:HAS\_FD\_SET:  
 ?C: This symbol, when defined, indicates presence of the fd\_set typedef  
 ?C: in <sys/types.h>  
 ?C:  
 ?C:HAS\_FD\_MACROS:  
 ?C: This symbol, when defined, indicates presence of the macros used  
 to  
 ?C: manipulate an fd\_set.  
 ?C:  
 ?C:HAS\_FDS\_BITS:  
 ?C: This symbol, when defined, indicates presence of the fds\_bits member in  
 ?C: fd\_set. This knowledge is useful if fd\_set is available but the macros  
 ?C: aren't.  
 ?C:  
 ?H:#\$d\_fd\_set HAS\_FD\_SET /\*\*/  
 ?H:#\$d\_fd\_macros HAS\_FD\_MACROS /\*\*/  
 ?H:#\$d\_fds\_bits HAS\_FDS\_BITS /\*\*/  
 ?H:  
 ?F:!fd\_set  
 : check for fd\_set items  
 \$cat <<EOM

Checking to see how well your C compiler handles fd\_set and friends ...

EOM

?X: The FD\_SET macros can be in strange places. On some SysV-based

?X: systems, they are in <sys/bsdtypes.h>, which is included (perhaps)

?X: by <sys/socket.h>. We won't force people to include

?X: <sys/bsdtypes.h> because it might introduce other

?X: incompatibilities.

\$cat >fd\_set.c <<EOCP

#\$i\_systime I\_SYS\_TIME

#\$i\_sysselect I\_SYS\_SELECT

#\$d\_socket HAS\_SOCKET

#\$i\_syssock I\_SYS\_SOCKET

#include <sys/types.h>

```

#ifdef HAS_SOCKET
#ifdef I_SYS_SOCKET
#include <sys/socket.h> /* Might include <sys/bsdtypes.h> */
#endif
#endif
#ifdef I_SYS_TIME
#include
<sys/time.h>
#endif
#ifdef I_SYS_SELECT
#include <sys/select.h>
#endif
int main() {
    fd_set fds;

#ifdef TRYBITS
    if(fds.fds_bits);
#endif

    #if defined(FD_SET) && defined(FD_CLR) && defined(FD_ISSET) && defined(FD_ZERO)
        exit(0);
    #else
        exit(1);
    #endif
}
EOCP
if $cc $ccflags -DTRYBITS -o fd_set fd_set.c >fd_set.out 2>&1 ; then
    d_fds_bits="$define"
    d_fd_set="$define"
    echo "Well, your system knows about the normal fd_set typedef..." >&4
    if ./fd_set; then
        echo "and you have the normal fd_set macros (just as I'd expect)." >&4
        d_fd_macros="$define"
    else
        $cat >&4 <<'EOM'
but not the normal fd_set macros! Gaaack! I'll have to cover for you.
EOM
        d_fd_macros="$undef"
    fi
else
    $cat <<'EOM'
Hmm, your compiler has some difficulty with fd_set. Checking further...
EOM
    if $cc $ccflags -o fd_set fd_set.c >fd_set.out 2>&1 ; then
        d_fds_bits="$undef"
        d_fd_set="$define"
        echo "Well, your system has some sort of fd_set available..." >&4
        if ./fd_set; then

```



```

    echo "and you have the
normal fd_set macros." >&4
    d_fd_macros="$define"
else
    $cat <<'EOM'
but not the normal fd_set macros! Gross! More work for me...
EOM
    d_fd_macros="$undef"
fi
else
echo "Well, you got zip. That's OK, I can roll my own fd_set stuff." >&4
    d_fd_set="$undef"
    d_fds_bits="$undef"
    d_fd_macros="$undef"
fi
fi
$rm -f fd_set*

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_fd_set.U
```

No license file was found, but licenses were detected in source scan.

#### Perl5 Metaconfig Units

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Copyright (c) 1999-2011, H.Merijn Brand

All rights reserved.

These units are the ones I used to build Configure and config\_h.SH in the Perl5 distribution.

The Configure script and config\_h.SH file in the Perl distribution are generated by a program called metaconfig. To run metaconfig, you will need the full dist 3.0 distribution, maintained by Raphael Manfredi. As of this writing, the current version is dist3.0, patchlevel 70. Dist version dist-3.0@70.tar.gz is available on CPAN (the Comprehensive Perl Archive Network) as <<http://www.perl.com/perl/CPAN/authors/id/RAM/dist-3.0@70.tar.gz>>.

#### Instructions:

1. Unpack the full perl5 sources. Execute the following command

```
chmod +w Configure config_h.SH Porting/Glossary Porting/config*
```

2. Unpack the archive containing this file in the perl5 source directory. This will create a directory

'U' under the perl5

sources. That directory will contain the metaconfig units for perl5.

This will also create two files in the perl5 source tree:

MANIFEST.new and .package.

3. Apply any patches to perl in the perl\_patches/ directory.  
(This may well be empty.)
4. Obtain and install dist-3.0pl70.
4. Apply any patches to dist under the dist\_patches subdirectory.
5. From your main perl5 source directory, run packinit to regenerate the .package file. **IMPORTANT:** Change the name and address of the maintainer to your own name and address. I don't want bug reports intended for you coming to me.
6. From your main perl5 source directory, run  
  
metalint (or mlint)  
  
and repair every failure it reports.
7. From your main perl5 source directory, run  
  
metaconfig -m (or mconfig -m)
8. Edit U/mkglossary and/or U/mkgloss.pl to point to your dist-3.0pl70 location. (See comments at the top.)
9. Run the Porting/mksample script to update the contents of the Porting/ subdirectory, or run all parts by hand. (see README)  
  
NB: this script used to be U/mksample replaced by Porting/mksample; see Porting/pumpkin.pod instead for current documentation on its use.
10. Let me know about any changes, corrections, or enhancements.

Things to watch out for:

1. The Configure in 5.005 is a hand-patched version of that supplied with perl5.004\_74 or so. Most of the patches had to do with supporting MPE/iX and EBCDIC systems. I have re-integrated most of the changes back into metaconfig, but I don't really understand why MPE/iX needed some of the patches, so I may have missed something important. I did try to flag questionable changes in

the individual units.

The Configure as generated in the 5.9.x branch leading towards 5.10, is also used exactly as is without changes in the 5.8.x and 5.6.x branches, so do not remove support for features that are available in those branches, but are removed from devel (e.g. perl5005threads).

2. Future support of better random number generators should probably start with the randfunc.U unit included here. It's currently broken, but well commented and probably a good place to start.

Descriptions:

The units and other related files have been broken up into the following directories:

acl/

This is an old patch to begin to detect and use ACL (access control list) file protection schemes.

compline/

These are similar to the standard units, but I have modified them to have a more uniform compile command line, usually using the new Compile.U unit. I have submitted these for inclusion into the regular dist distribution. (The cflags.U unit is actually perl-specific since it mentions -DDEBUGGING and -DPOSIX\_SOURCE, but that's the only place it is perl-specific.)

dist\_patches/

These are patches to dist that must be applied before it is built and installed. I have submitted these for inclusion in the regular dist distribution.

modified/

These are modified versions of the standard units. Also included in this directory are new units that are clearly derived from existing units. I have submitted these for inclusion in the regular dist distribution.

perl/

These are specific to perl. Some are heavily derived from original dist units, and are marked as such. Others are original.

perl\_patches/

These are patches to the perl source. This directory should ordinarily be empty, but there may have been drift between

the standard version of perl and the one associated with these units.

protos/

These are units modified to use the new Hasproto.U or Protochk.U units to check for prototypes. I have submitted these for inclusion into the regular dist distribution.

target/

This is the very, very beginning of cross-compiler support. It doesn't work yet, and many standard units will need modification.

typedefs/

These are standard units modified to use the modified Typedef.U unit to check for typedefs. (The modified Typdef.U includes a function to avoid unnecessary prompts if the typedef being searched for exists.) I have submitted these for inclusion into the regular dist distribution.

threads/

These are specific to threading perl.

Copyright Information:

Unless otherwise indicated, the files contained in this distribution are:

Copyright (c) 1996-1998, Andy Dougherty

The following licensing terms apply to all files contained in this distribution:

You may distribute the files contained in this distribution under the terms of either

- a) the "Artistic License" which comes with Perl, or
- b) the "Artistic License" which comes with dist, or
- c) the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version (see the file "Copying" that comes with the Perl distribution).

Which

one to use is your choice.

The units in the "modified" directory have been derived from units associated with the metaconfig program of Raphael Manfredi's "dist" distribution. These units list Raphael Manfredi as the Copyright holder. dist is distributed under a modified version of the Perl Artistic License. Clause 7 of this modified license as contained in dist-3.0-pl60 provides:

7. You may reuse parts of this Package in your own programs, provided that you explicitly state where you got them from, in the source code (and, left to your courtesy, in the documentation), duplicating all the associated copyright notices and disclaimers. Besides your changes, if any, must be clearly marked as such. Parts reused that way will no longer fall under this license if, and only if, the name of your program(s) have no immediate connection with the name of the Package itself or its associated programs. You may then apply whatever restrictions you wish on the reused parts or choose to place them in the Public Domain--this will apply only within the context of your package.

In accordance with this clause, the versions of these units contained here are made available under the same terms as the rest of the units.

If you have any questions about the use of these units or about the differences between these units and the standard versions, please feel free to ask.

Andy Dougherty [doughera@lafayette.edu](mailto:doughera@lafayette.edu)  
Dept. of Physics  
Lafayette College  
Easton, PA 18042-1782

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/README.dist

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_strerror\_1: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_strerror\_1:

?S: This variable conditionally defines the HAS\_STRError\_L symbol, which

?S: indicates to the C program that the strerror\_l() routine is available

?S: to return the error message for a given errno value in a particular

?S: locale (identified by a locale\_t object).

?S:.

?C:HAS\_STRERROR\_L:

?C: This symbol, if defined, indicates that the strerror\_l routine is available to return the error message for a given errno value in a particular locale (identified by a locale\_t object).

?C:.

?H:#\$d\_strerror\_l HAS\_STRERROR\_L /\*\*/

?H:.

?LINT:set d\_strerror\_l

: see if strerror\_l exists

set strerror\_l d\_strerror\_l

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_strerror\_l.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_rusage.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_rusage.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:57 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X: We may need to include <sys/resource.h> and <sys/time.h> FIXME

?X:INC: i\_sysresrc i\_systime

?MAKE:d\_rusage: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_rusage (d\_getrusg):

?S: This variable conditionally defines the HAS\_GETRUSAGE symbol, which

?S: indicates that the getrusage() routine exists. The getrusage() routine

?S: supports sub-second accuracy

for process cpu accounting. You may need

?S: to include <sys/resource.h> and <sys/time.h>.

?S:.

?C:HAS\_GETRUSAGE (RUSAGE\_GETRUSAGE):

?C: This symbol, if defined, indicates that the getrusage() routine is

?C: available to get process statistics with a sub-second accuracy.

?C: Inclusion of <sys/resource.h> and <sys/time.h> may be necessary.

?C:.

?H:#\$d\_rusage HAS\_GETRUSAGE /\*\*/

```
?H:
?LINT:set d_rusage
: see if getusage exists
set getusage d_rusage
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_rusage.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 2003 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:usefaststdio: Myread Oldconfig Setvar rsrc
```

```
?MAKE: -pick add $@ %<
```

```
?Y:TOP
```

```
?S:usefaststdio:
```

```
?S: This variable conditionally defines the USE_FAST_STDIO symbol,
```

```
?S: and indicates that Perl should be built to use 'fast stdio'.
```

```
?S: Defaults to define in Perls 5.8 and earlier, to undef later.
```

```
?S:.
```

```
?C:USE_FAST_STDIO:
```

```
?C: This symbol, if defined, indicates that Perl should
```

```
?C: be built to use 'fast stdio'.
```

```
?C: Defaults to define in Perls 5.8 and earlier, to undef later.
```

```
?C:.
```

```
?H:?%<:#ifndef USE_FAST_STDIO
```

```
?H:?%<:#$usefaststdio USE_FAST_STDIO /**/
```

```
?H:?%<:#endif
```

```
?H:.
```

```
?T:xversion
```

```
?LINT:set usefaststdio
```

```
: Check if faststdio is requested and available
```

```
case "$usefaststdio" in
```

```
$define|true|[yY]*|")
```

```
xversion=`awk
```

```
'/define[ ]+PERL_VERSION/ {print $3}' $src/patchlevel.h`
```

```
case "$xversion" in
```

```
[68]) dflt='y' ;;
```

```
*) dflt='n' ;;
```

```
esac
```

```
;;
```

```
*) dflt='n';;
```

```
esac
cat <<EOM
```

Perl can be built to use 'fast stdio', which means using the stdio library but also directly manipulating the stdio buffers to enable faster I/O. Using stdio is better for backward compatibility (especially for Perl extensions), but on the other hand since Perl 5.8 the 'perlio' interface has been preferred instead of stdio.

If this doesn't make any sense to you, just accept the default '\$dflt'.

```
EOM
rp="Use the "fast stdio" if available?"
./myread
case "$ans" in
y|Y) val="$define" ;;
*)   val="$undef" ;;
esac
set usefaststdio
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/usefaststdio.U
```

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```
?RCS: $Id$
?RCS:
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_setpgrp.U,v $
?RCS: Revision 3.0.1.3 1997/02/28 15:44:16 ram
?RCS: patch61: obsoleted USE_BSDGRP in favor of USE_BSD_SETPGRP
?RCS: patch61: another unit now also defines a USE_BSD_GETPGRP
?RCS: patch61: fallback for test program failure improved
?RCS:
?RCS: Revision 3.0.1.2 1995/07/25 13:59:30 ram
?RCS: patch56: re-arranged compile line to include ldflags before objects
?RCS:
?RCS: Revision 3.0.1.1 1994/10/29 16:15:37 ram
?RCS: patch36: added 'ldflags' to the test compile line (ADO)
?RCS:
```



```

patch36: call ./usg explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0 1993/08/18 12:07:09 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_setpgrp d_bsdsetpgrp: cat rm +cc +libs +ccflags \
+ldflags Inlibc Guess Setvar i_unistd
?MAKE: -pick add $@ %<
?S:d_setpgrp:
?S: This variable conditionally defines HAS_SETPGRP if setpgrp() is
?S: available to set the current process group.
?S:.
?S:d_bsdsetpgrp (d_bsdpggrp):
?S: This variable conditionally defines USE_BSD_SETPGRP if
?S: setpgrp needs two arguments whereas USG one needs none.
?S: See also d_setpgid for a POSIX interface.
?S:.
?C:HAS_SETPGRP (SETPGRP):
?C: This symbol, if defined, indicates that the setpgrp routine is
?C: available to set the current process group.
?C:.
?C:USE_BSD_SETPGRP (USE_BSDPGRP BSDPGRP):
?C: This symbol, if defined, indicates that setpgrp needs two
?C: arguments whereas USG one needs none. See also HAS_SETPGID
?C: for a POSIX interface.
?C:.
?H:#$d_setpgrp HAS_SETPGRP /**/
?H:#$d_bsdsetpgrp
USE_BSD_SETPGRP /**/
?H:.
?F:!set.c !set
?T:xxx
?LINT:set d_setpgrp d_bsdsetpgrp
: see if setpgrp exists
set setpgrp d_setpgrp
eval $inlibc

@if USE_BSD_SETPGRP || d_bsdsetpgrp
case "$d_setpgrp" in
"$define")
echo " "
echo "Checking to see which flavor of setpgrp is in use..."
$cat >set.c <<EOP
#$i_unistd I_UNISTD
#include <sys/types.h>
#ifdef I_UNISTD
# include <unistd.h>
#endif

```

```

int main()
{
if (getuid() == 0) {
printf("I see you are running Configure as super-user...)\n");
setuid(1);
}
#ifdef TRY_BSD_PGRP
if (-1 == setpgrp(1, 1))
exit(0);
#else
if (setpgrp() != -1)
exit(0);
#endif
exit(1);
}
EOP
if $cc -DTRY_BSD_PGRP $ccflags $ldflags -o set set.c $libs >/dev/null 2>&1 && ./set; then
echo 'You have to use setpgrp(pid,pgrp) instead of setpgrp().' >&4
val="$define"
elif $cc $ccflags $ldflags -o set set.c $libs >/dev/null 2>&1 && ./set; then
echo 'You have to use setpgrp() instead of setpgrp(pid,pgrp).' >&4
val="$undef"
else
echo "(I can't
seem to compile and run the test program.)"
if ./usg; then
xxx="a USG one, i.e. you use setpgrp()."
else
# SVR4 systems can appear rather BSD-ish.
case "$i_unistd" in
$undef)
xxx="a BSD one, i.e. you use setpgrp(pid,pgrp)."
val="$define"
;;
$define)
xxx="probably a USG one, i.e. you use setpgrp()."
val="$undef"
;;
esac
fi
echo "Assuming your setpgrp is $xxx" >&4
fi
;;
*) val="$undef";;
esac
set d_bsdsetpgrp
eval $setvar
$rm -f set set.c

```

@end

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_setpgrp.U
```

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?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Tom Tromeey <tromeey@cygnus.com>

?RCS:

?RCS: \$Log: src.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 16:23:54 ram

?RCS: patch61: created

?RCS:

?MAKE:src +rsrc: Options package contains

?MAKE: -pick add \$@ %<

?Y:TOP

?S:src (srcdir):

?S: This variable holds the (possibly relative) path of the package source.

?S: It is up to the Makefile to use this variable and set VPATH accordingly

?S: to find the sources remotely. Use \$pkgsrc to have an absolute path.

?S:.

?S:rsrc

(relsrcdir):

?S: This variable holds a potentially relative path to the package

?S: source. The contents are correct for the configuration environment,

?S: i.e. there might be an extra .. prepended to get out of the UU dir.

?S: Configure units should use this, not the src variable.

?S:.

: Find the path to the source tree

case "\$src" in

") case "\$0" in

\*/\*) src=`echo \$0 | sed -e 's%/[^/][^/]\*\$% %`

case "\$src" in

/\*) ;;

.) ;;

\*) src=`cd ../\$src && pwd` ;;

esac

```

;;
*) src='.';;
esac;;
esac
case "$src" in
") src=/
rsrc=/
;;
/*) rsrc="$src";;
*) rsrc="../$src";;
esac
?X:
?X: Now check whether we have found the right source tree (i.e. the one for the
?X: package we're about to configure). The original unit from Tom Tromeu forced
?X: the user to pick a unique file from his distribution, and we were merely
?X: checking the existence of that file. I prefer to rely on Configure (which
?X: we know *is* present since this unit is
part of it!) and look for the
?X: definition of the package variable, making sure it's the same as ours.
?X: If it matches, we know we found the right source tree. -- RAM, 15/03/96
?X:
if test -f $rsrc/Configure && \
$contains "^package='$package'" $rsrc/Configure >/dev/null 2>&1
then
: found it, so we are ok.
else
?X: Otherwise try "." and up to 4 parent directories...
?X: Note that we prepend a ".." to get out of the configuration environment.
rsrc="
for src in . .. ../.. ../../.. ../../../..; do
if test -f ../$src/Configure && \
$contains "^package=$package" ../$src/Configure >/dev/null 2>&1
then
rsrc=../$src
break
fi
done
fi
case "$rsrc" in
")
cat <<EOM >&4

```

Sorry, I can't seem to locate the source dir for \$package. Please start Configure with an explicit path -- i.e. /some/path/Configure.

```

EOM
exit 1
;;

```

?X: Don't echo anything if the sources are in . -- they should know already ;-)

?X: In that case, rsrc is ../. since we lookup from within UU

```
../) rsrc='.';;
```

```
*)
```

```
echo
```

```
" "
```

```
echo "Sources for $package found in \"${src}\"." >&4
```

```
::
```

```
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/src.U
```

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_madvise: Inlibc

?MAKE:-pick add \$@ %<

?S:d\_madvise:

?S: This variable conditionally defines HAS\_MADVISE if madvise() is

?S: available to map a file into memory.

?S:.

?C:HAS\_MADVISE:

?C: This symbol, if defined, indicates that the madvise system call is

?C: available to map a file into memory.

?C:.

?H:#\$d\_madvise HAS\_MADVISE /\*\*/

?H:.

?LINT:set d\_madvise

: see if madvise exists

set madvise d\_madvise

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_madvise.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: bin.U,v \$  
?RCS: Revision 3.0.1.4 1995/09/25 09:15:32 ram  
?RCS: patch59: unit is now forced to the top of Configure, if possible  
?RCS:  
?RCS: Revision 3.0.1.3 1995/01/30 14:32:40 ram  
?RCS: patch49: can now handle installation prefix changes (from WED)  
?RCS:  
?RCS: Revision 3.0.1.2 1994/08/29 16:05:28 ram  
?RCS: patch32: now uses installation prefix  
?RCS:  
?RCS: Revision 3.0.1.1 1993/09/13 15:56:51 ram  
?RCS: patch10: made prompting more explicit (WAD)  
?RCS:  
?RCS: Revision 3.0 1993/08/18  
12:05:26 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:bin binexp installbin: Prefixit Getfile Oldconfig afs cat test  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?S:bin:  
?S: This variable holds the name of the directory in which the user wants  
?S: to put publicly executable images for the package in question. It  
?S: is most often a local directory such as /usr/local/bin. Programs using  
?S: this variable must be prepared to deal with ~name substitution.  
?S:.  
?S:binexp:  
?S: This is the same as the bin variable, but is filename expanded at  
?S: configuration time, for use in your makefiles.  
?S:.  
?S:installbin:  
?S: This variable is the same as binexp unless AFS is running in which case  
?S: the user is explicitly prompted for it. This variable should always  
?S: be used in your makefiles for maximum portability.  
?S:.  
?C:BIN:  
?C: This symbol holds the path of the bin directory where the package will  
?C: be installed. Program must be prepared to deal with ~name substitution.  
?C:.

?C:BIN\_EXP:  
?C: This  
symbol is the filename expanded version of the BIN symbol, for  
?C: programs that do not want to deal with that at run-time.

```
?C:.  
?H:#define BIN "$bin" /**/  
?H:#define BIN_EXP "$binexp" /**/  
?H:.  
?D:bin='/usr/local/bin'  
: determine where public executables go  
echo " "  
set dflt bin bin  
eval $prefixit  
fn=d~  
rp='Pathname where the public executables will reside?'  
./getfile  
if $test "X$sansexp" != "X$binexp"; then  
installbin="  
fi  
bin="$ans"  
binexp="$sansexp"  
if $afs; then  
$cat <<EOM
```

Since you are running AFS, I need to distinguish the directory in which executables reside from the directory in which they are installed (and from which they are presumably copied to the former directory by occult means).

```
EOM  
case "$installbin" in  
") dflt=`echo $binexp | sed 's#^/afs/#/afs/.#`;;  
*) dflt="$installbin";;  
esac  
fn=de~  
rp='Where will public executables be installed?'  
./getfile  
installbin="$ans"  
else  
installbin="$binexp"  
fi
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/bin.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_lchown.U,v 3.0.1.1 1994/08/29 16:07:14 ram Exp \$

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_lchown.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:07:14 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:d\_lchown: Compile Setvar cat echo

?MAKE: -pick add \$@ %<

?S:d\_lchown:

?S: This variable conditionally defines the HAS\_LCHOWN symbol, which  
?S: indicates to the C program that the lchown() routine is available  
?S: to operate on a symbolic link (instead of following the link).

?S:.

?C:HAS\_LCHOWN

:

?C: This symbol, if defined, indicates that the lchown routine is  
?C: available to operate on a symbolic link (instead of following the  
?C: link).

?C:.

?H:#\$d\_lchown HAS\_LCHOWN /\*\*/

?H:.

?LINT:set d\_lchown

: see if lchown exists

echo " "

?X: Some functions (such as lchown()) are present in libc, but are  
?X: unimplemented. That is, they always fail and set errno=ENOSYS.

?X:

?X: Thomas Bushnell provided the following sample code and the explanation  
?X: that follows.

?X:

?X: The choice of <assert.h> is essentially arbitrary. The GNU libc  
?X: macros are found in <gnu/stubs.h>. You can include that file instead  
?X: of <assert.h> (which itself includes <gnu/stubs.h>) if you test for  
?X: its existence first. <assert.h> is assumed to exist on every system,  
?X: which is why it's used here. Any GNU libc header file will include  
?X: the stubs macros. If either \_\_stub\_NAME or \_\_stub\_\_NAME is defined,  
?X: then the function doesn't actually exist. Tests using <assert.h>  
work  
?X: on every system around.

?X:



?X: The declaration of FOO is there to override builtin prototypes for

?X: ANSI C functions.

?X:

?X: I really ought to enhance the inlibc test to check for this, but

?X: I don't have time now. --A.D. 5/1998

?X:

```
$cat > try.c <<'EOCP'
```

```
/* System header to define __stub macros and hopefully few prototypes,  
   which can conflict with char lchown(); below. */
```

```
#include <assert.h>
```

```
/* Override any gcc2 internal prototype to avoid an error. */
```

```
/* We use char because int might match the return type of a gcc2  
   builtin and then its argument prototype would still apply. */
```

```
char lchown();
```

```
int main() {
```

```
    /* The GNU C library defines this for functions which it implements  
       to always fail with ENOSYS. Some functions are actually named  
       something starting with __ and the normal name is an alias. */
```

```
#if defined (__stub_lchown) || defined (__stub___lchown)
```

```
choke me
```

```
#else
```

```
lchown();
```

```
#endif
```

```
; return 0; }
```

```
EOCP
```

```
set try
```

```
if eval $compile; then
```

```
    $echo
```

```
"lchown() found." >&4
```

```
    val="$define"
```

```
else
```

```
    $echo "lchown() NOT found." >&4
```

```
    val="$undef"
```

```
fi
```

```
set d_lchown
```

```
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/U/compline/d_lchown.U
```

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?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:  
?MAKE:d\_copysign: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_copysign:  
?S: This variable conditionally defines the HAS\_COPYSIGN symbol, which  
?S: indicates to the C program that the copysign() routine is available.  
?S:.  
?C:HAS\_COPYSIGN:  
?C: This symbol, if defined, indicates that the copysign routine is  
?C: available to do the copysign function.  
?C:.  
?H:#\$d\_copysign HAS\_COPYSIGN /\*\*/  
?H:.  
?LINT:set d\_copysign  
: see if copysign exists  
set copysign d\_copysign  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_copysign.U

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: archlib.U,v \$

?RCS: Revision 3.0.1.5 1997/02/28 15:23:38 ram

?RCS: patch61: skip existence checks for archlib

?RCS:

?RCS: Revision 3.0.1.4 1995/09/25 09:15:18 ram

?RCS: patch59: unit is now forced to the top of Configure, if possible

?RCS:

?RCS: Revision 3.0.1.3 1995/02/15 14:14:14 ram

?RCS: patch51: architecture name is now computed by a separate unit

?RCS:

?RCS: Revision 3.0.1.2 1995/01/30 14:32:22 ram

?RCS:

patch49: archname is now systematically recomputed

?RCS: patch49: can now handle installation prefix changes (from WED)

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 16:02:36 ram

?RCS: patch36: created by ADO

?RCS:

?MAKE:d\_archlib archlib archlibexp installarchlib: archname afs spackage \  
 cat Getfile Loc Oldconfig prefixexp privlib test Prefixit Prefixup

?MAKE: -pick add \$@ %<

?Y:TOP

?S:d\_archlib:

?S: This variable conditionally defines ARCHLIB to hold the pathname

?S: of architecture-dependent library files for \$package. If

?S: \$archlib is the same as \$privlib, then this is set to undef.

?S:.

?S:archlib:

?S: This variable holds the name of the directory in which the user wants

?S: to put architecture-dependent public library files for \$package.

?S: It is most often a local directory such as /usr/local/lib.

?S: Programs using this variable must be prepared to deal

?S: with filename expansion.

?S:.

?S:archlibexp:

?S: This variable is the same as the archlib variable, but is

?S: filename

expanded at configuration time, for convenient use.

?S:.

?S:installarchlib:

?S: This variable is really the same as archlibexp but may differ on

?S: those systems using AFS. For extra portability, only this variable

?S: should be used in makefiles.

?S:.

?C:ARCHLIB:

?C: This variable, if defined, holds the name of the directory in

?C: which the user wants to put architecture-dependent public

?C: library files for \$package. It is most often a local directory

?C: such as /usr/local/lib. Programs using this variable must be

?C: prepared to deal with filename expansion. If ARCHLIB is the

?C: same as PRIVLIB, it is not defined, since presumably the

?C: program already searches PRIVLIB.

?C:.

?C:ARCHLIB\_EXP:

?C: This symbol contains the ~name expanded version of ARCHLIB, to be used

?C: in programs that are not prepared to deal with ~ expansion at run-time.

?C:.

?H:#\$d\_archlib ARCHLIB "\$archlib" /\*\*/  
 ?H:#\$d\_archlib ARCHLIB\_EXP "\$archlibexp" /\*\*/  
 ?H:.

```

: determine where public architecture
dependent libraries go
set archlib archlib
eval $prefixit
case "$sarchlib" in
")
case "$privlib" in
")
dflt=`./loc . ." $prefixexp/lib /usr/local/lib /usr/lib /lib`
set dflt
eval $prefixup
;;
*) dflt="$privlib/$sarchname";;
esac
;;
*) dflt="$sarchlib";;
esac
cat <<EOM

```

\$spackage contains architecture-dependent library files. If you are sharing libraries in a heterogeneous environment, you might store these files in a separate location. Otherwise, you can just include them with the rest of the public library files.

```

EOM
fn=d+~
rp='Where do you want to put the public architecture-dependent libraries?'
./getfile
archlib="$ans"
archlibexp="$ansexp"

if $afs; then
$cat <<EOM

```

Since you are running AFS, I need to distinguish the directory in which private files reside from the directory in which they are installed (and from which they are presumably copied to the former directory by occult means).

```

EOM
case "$installarchlib" in
") dflt=`echo $sarchlibexp | sed 's#^/afs/#/afs/.#`";;
*)
dflt="$installarchlib";;
esac
fn=de~
rp='Where will architecture-dependent library files be installed?'
./getfile
installarchlib="$ans"

```

```
else
installarchlib="$sarchlibexp"
fi
if $test X"$sarchlib" = X"$sprivlib"; then
d_archlib="$undef"
else
d_archlib="$define"
fi
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/archlib.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1996, Andy Dougherty

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_strtoul.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:46:43 ram

?RCS: patch61: created

?RCS:

?RCS:

?MAKE:d\_strtoul: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_strtoul:

?S: This variable conditionally defines the HAS\_STRTOUL symbol, which

?S: indicates to the C program that the strtoul() routine is available

?S: to provide conversion of strings to unsigned long.

?S:.

?C:HAS\_STRTOUL (STRTOUL):

?C: This symbol, if defined, indicates that the strtoul routine is

?C: available

to provide conversion of strings to unsigned long.

?C:.

?H:#\$d\_strtoul HAS\_STRTOUL /\*\*/

?H:.

?LINT:set d\_strtoul

: see if strtoul exists

set strtoul d\_strtoul

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_strtoul.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Instruct.U,v 3.0.1.3 1997/02/28 15:02:55 ram Exp $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?RCS: $Log: Instruct.U,v $
```

```
?RCS: Revision 3.0.1.3 1997/02/28 15:02:55 ram
```

```
?RCS: patch61: logname / whoami sequence rewritten to use case
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.2 1995/02/15 14:11:34 ram
```

```
?RCS: patch51: author name now appears at the end of the paragraph (WED)
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.1 1995/01/11 15:12:05 ram
```

```
?RCS: patch45: now documents the & escape to turn -d on at the read prompt
```

```
?RCS:
```

```
?RCS: Revision 3.0 1993/08/18 12:05:04 ram
```

```
?RCS: Baseline for
```

```
dist 3.0 netwide release.
```

```
?RCS:
```

```
?X:
```

```
?X: This unit spew out the directions that we want everyone to read. I try to
```

```
?X: keep the first "pagefull" much less than a page since they don't know it
```

```
?X: isn't going to go shooting off the top of the screen, and we don't want
```

```
?X: to panic them yet.
```

```
?X:
```

```
?MAKE:Instruct: Myread Configdir Devel contains
```

```
?MAKE: -pick wipe $@ %<
```

```
?T:user needman firsttime
```

```
: general instructions
```

```
needman=true
```

```
firsttime=true
```

```
user=`(logname) 2>/dev/null`
```

```
case "$user" in
```

```
) user=`whoami 2>&1`;;
```

```
esac
```

```
if $contains "^$user$" ../.config/instruct >/dev/null 2>&1; then
```

```
firsttime=false
```

```

echo " "
rp='Would you like to see the instructions?'
dflt=n
. ./myread
case "$ans" in
[yY]*) ;;
*) needman=false;;
esac
fi
if $needman; then
cat <<EOH

```

This installation shell script will examine your system and ask you questions to determine how the <PACKAGENAME> package should be installed. If you get stuck on a question, you may use a ! shell escape to start a subshell or execute a command. Many of the questions will have default answers in square brackets; typing carriage return will give you the default.

On some of the questions which ask for file or directory names you are allowed to use the ~name construct to specify the login directory belonging to "name", even if you don't have a shell which knows about that. Questions where this is allowed will be marked "(~name ok)".

```

EOH
rp="
dflt='Type carriage return to continue'
. ./myread
cat <<'EOH'

```

The prompter used in this script allows you to use shell variables and backticks in your answers. You may use \$1, \$2, etc... to refer to the words in the default answer, as if the default line was a set of arguments given to a script shell. This means you may also use \$\* to repeat the whole default line, so you do not have to re-type everything to add something to the default.

Every time there is a substitution, you will have to confirm. If there is an error (e.g. an unmatched backtick), the default answer will remain unchanged and you will be prompted again.

If you are in a hurry, you may run 'Configure -d'. This will bypass nearly all the questions and use the computed defaults (or the previous answers if there was already a config.sh file). Type 'Configure -h' for a list of options. You may also start interactively and then answer '& -d' at any prompt to turn on the non-interactive behaviour for the remainder of the execution.

```

EOH

```

```
. /myread
cat <<EOH
```

Much effort has been expended to ensure that this shell script will run on any Unix system. If despite that it blows up on yours, your best bet is to edit Configure and run it again. If you can't run Configure for some reason, you'll have to generate a config.sh file by hand. Whatever problems you have, let me (<MAINTLOC>) know how I blew it.

This installation script affects things in two ways:

- 1) it may do direct variable substitutions on some of the files included in this kit.
- 2) it builds a config.h file for inclusion in C programs. You may edit any of these files as the need arises after running this script.

If you make a mistake on a question, there is no easy way to back up to it currently. The easiest thing to do is to edit config.sh and rerun all the SH files. Configure will offer to let you do this before it runs the SH files.

EOH

```
?X: In case they played with the prompter...
dflt='Type carriage return to continue'
. /myread
case "$firsttime" in
true) echo $user >>./config/instruct;;
esac
fi
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Instruct.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2001 Jarkko Hietaniemi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_syscallproto: Hasproto i\_unistd

?MAKE: -pick add \$@ %<

?S:d\_syscallproto:



?S: This variable conditionally defines the HAS\_SYSCALL\_PROTO symbol,  
?S: which indicates to the C program that the system provides  
?S: a prototype for the syscall() function. Otherwise, it is  
?S: up to the program to supply one.

?S:.

?C:HAS\_SYSCALL\_PROTO:

?C: This symbol, if defined, indicates that the system provides

?C: a prototype for the syscall() function. Otherwise, it is up

?C: to the program to supply one. Good guesses are

?C: extern

```
int syscall(int, ...);
```

?C: extern int syscall(long, ...);

?C:.

```
?H:#$d_syscallproto HAS_SYSCALL_PROTO /**/
```

?H:.

```
?LINT:set d_syscallproto
```

```
: see if prototype for syscall is available
```

```
echo " "
```

```
set d_syscallproto syscall $i_unistd unistd.h
```

```
eval $hasproto
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_syscallproto.U
```

No license file was found, but licenses were detected in source scan.

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

```
?MAKE:i_quadmath: Inhdr
```

```
?MAKE:-pick add $@ %<
```

```
?S:i_quadmath:
```

?S: This variable conditionally defines I\_QUADMATH, which indicates

?S: to the C program that it should include <quadmath.h>.

?S:.

?C:I\_QUADMATH:

?C: This symbol, if defined, indicates that <quadmath.h> exists and

?C: should be included.

?C:.

```
?H:#$i_quadmath I_QUADMATH /**/
```

?H:.

```
?LINT:set i_quadmath
```

```
: see if this is a quadmath.h system
```

```
set quadmath.h i_quadmath
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
```

5.30.0/U/perl/i\_quadmath.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2017 Dagfinn Ilmari Mannsåker

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_strnlen: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_strnlen:

?S: This variable conditionally defines the HAS\_STRNLEN symbol, which

?S: indicates to the C program that the strnlen () routine is available.

?S:.

?C:HAS\_STRNLEN:

?C: This symbol, if defined, indicates that the strnlen () routine is

?C: available to check the length of a string up to a maximum.

?C:.

?H:#\$d\_strnlen HAS\_STRNLEN /\*\*/

?H:.

?LINT:set d\_strnlen

: see if strnlen exists

set strnlen d\_strnlen

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/perl/d\_strnlen.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_getfsstat : Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getfsstat:

?S: This variable conditionally defines the HAS\_GETFSSTAT symbol, which

?S: indicates to the C program that the getfsstat() routine is available.

?S:.

?C:HAS\_GETFSSTAT:

?C: This symbol, if defined, indicates that the getfsstat routine is

?C: available to stat filesystems in bulk.

```
?C:
?H:#$d_getfsstat HAS_GETFSSTAT /**/
?H:
?LINT:set d_getfsstat
: see if getfsstat exists
set getfsstat d_getfsstat
eval $inlibc
```

Found in path(s):

```
*/opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_getfsstat.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: orderlib.U,v 3.0.1.4 1997/02/28 16:18:18 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
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?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: orderlib.U,v $
?RCS: Revision 3.0.1.4 1997/02/28 16:18:18 ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS: patch61: likewise for .o replaced by $_o
?RCS: patch61: now uses the ar located by Loc.U
?RCS:
?RCS: Revision 3.0.1.3 1995/01/11 15:33:04 ram
?RCS: patch45: allows hint files to specify their own value for 'ranlib'
?RCS:
?RCS: Revision 3.0.1.2 1994/10/29 16:26:48 ram
?RCS: patch36: now performs a real small compile for accurate
checks (ADO)
?RCS:
?RCS: Revision 3.0.1.1 1994/08/29 16:31:17 ram
?RCS: patch32: use cc variable instead of hardwired 'cc' in 1st compile
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:26 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:orderlib ranlib: Loc ar cat test rm +cc +ccflags +ldflags +libs i_stdlib _a _o run
?MAKE: -pick add $@ %<
?S:orderlib:
?S: This variable is "true" if the components of libraries must be ordered
?S: (with `lorder $* | tsort`) before placing them in an archive. Set to
?S: "false" if ranlib or ar can generate random libraries.
```

```

?S:.
?S:ranlib:
?S: This variable is set to the pathname of the ranlib program, if it is
?S: needed to generate random libraries. Set to ":" if ar can generate
?S: random libraries or if random libraries are not supported
?S:.
?F:!foobar
: see if ar generates random libraries by itself
echo " "
echo "Checking how to generate random libraries on your machine..." >&4
?X: Some systems (like MIPS) complain when running
ar... Others like Ultrix
?X: need an explicit 'ar ts' to add the table of contents.
?X: Still others like Linux run ar ts successfully, but still need ranlib.
?X: This set of tests seems the minimum necessary to check out Linux.
?X: We need to explicitly put the entries in out-of-order so that Sun's ld
?X: will fail. (Otherwise it complains, but gives an exit status of 0.)
echo 'int bar1() { return bar2(); }' > bar1.c
echo 'int bar2() { return 2; }' > bar2.c
$cat > foo.c <<EOP
#$i_stdlib I_STDLIB
#ifdef I_STDLIB
#include <stdlib.h>
#endif
int main() { printf("%d\n", bar1()); exit(0); }
EOP
$cc $ccflags -c bar1.c >/dev/null 2>&1
$cc $ccflags -c bar2.c >/dev/null 2>&1
$cc $ccflags -c foo.c >/dev/null 2>&1
$ar rc bar$_a bar2$_o bar1$_o >/dev/null 2>&1
if $cc -o foobar $ccflags $ldflags foo$_o bar$_a $libs >/dev/null 2>&1 &&
$run ./foobar >/dev/null 2>&1; then
echo "$ar appears to generate random libraries itself."
orderlib=false
if [ "X$ranlib" = "X" ]; then
    ranlib=":"
fi
elif
$ar s bar$_a >/dev/null 2>&1 &&
$cc -o foobar $ccflags $ldflags foo$_o bar$_a $libs >/dev/null 2>&1 &&
$run ./foobar >/dev/null 2>&1; then
echo "a table of contents needs to be added with '$ar s'."
orderlib=false
ranlib="$ar s"
elif $ar ts bar$_a >/dev/null 2>&1 &&
$cc -o foobar $ccflags $ldflags foo$_o bar$_a $libs >/dev/null 2>&1 &&
$run ./foobar >/dev/null 2>&1; then
echo "a table of contents needs to be added with '$ar ts'."

```

```

orderlib=false
ranlib="$ar ts"
else
?X: Allow hints to specify their own ranlib "script". For instance, on
?X: some NeXT machines, the timestamp put by ranlib is not correct, and this
?X: may raise tedious recompiles for nothing. Therefore, NeXT may add the
?X: ranlib='sleep 5; /bin/ranlib' line in their hints to "fix" that.
?X: (reported by Andreas Koenig <k@franz.ww.tu-berlin.de>)
case "$ranlib" in
:) ranlib="";;
")
ranlib=`./loc ranlib X /usr/bin /bin /usr/local/bin`
$test -f $ranlib || ranlib="
;;
esac
if $test -n "$ranlib";
then
echo "your system has '$ranlib'; we'll use that."
orderlib=false
else
echo "your system doesn't seem to support random libraries"
echo "so we'll use lorder and tsort to order the libraries."
orderlib=true
ranlib=":"
fi
fi
$rm -f foo* bar*

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/orderlib.U
```

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?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_ndbm.U,v \$

?RCS: Revision 3.0.1.1 1995/05/12 12:16:53 ram

?RCS: patch54: made more robust by checking both header and lib (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:08:23 ram

```

?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:i_ndbm: Inhdr Inlibc Setvar
?MAKE: -pick add $@ %<
?S:i_ndbm (d_ndbm):
?S: This variable conditionally defines the I_NDBM symbol, which
?S: indicates to the C program that <ndbm.h> exists and should
?S: be included.
?S:.
?C:I_NDBM (HAS_NDBM NDBM):
?C: This
symbol, if defined, indicates that <ndbm.h> exists and should
?C: be included.
?C:.
?H:#$i_ndbm I_NDBM /**/
?H:.
?T:t_ndbm d_dbm_open
?LINT:set i_ndbm
: see if ndbm.h is available
?X: t_ndbm is a tentative check. We might just have the .h, not the lib -- ADO
set ndbm.h t_ndbm
eval $inhdr
case "$t_ndbm" in
$define)
: see if dbm_open exists
set dbm_open d_dbm_open
eval $inlibc
case "$d_dbm_open" in
$undef)
t_ndbm="$undef"
echo "We won't be including <ndbm.h>"
;;
esac
;;
esac
val="$t_ndbm"
set i_ndbm
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_ndbm.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: make.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

```

```

?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: make.U,v $
?RCS: Revision 3.0.1.1 1997/02/28 16:09:40 ram
?RCS: patch61: created
?RCS:
?MAKE:make_set_make : Loc rm sed make
?MAKE: -pick add $@ %<
?S:make_set_make:
?S: Some versions of 'make' set the variable MAKE. Others do not.
?S: This variable contains the string to be included in Makefile.SH
?S: so that MAKE is set if needed, and not if not needed.
?S: Possible values are:
?S:
?S: make_set_make='#' #
If your make program handles this for you,
?S:
?S: make_set_make="MAKE=$make" # if it doesn't.
?S:
?S: This uses a comment character so that we can distinguish a
?S: 'set' value (from a previous config.sh or Configure -D option)
?S: from an uncomputed value.
?S:.
?LINT: extern MAKE
?LINT: change MAKE
?X: This test is based on one from an autoconf-generated configure
?X: script. Autoconf stole a lot from Configure, but now it's our
?X: turn to do so... ;-) -- RAM, 21/02/97
: check whether make sets MAKE
echo " "
echo "Checking if your $make program sets \$(MAKE)..." >&4
case "$make_set_make" in
")
?X: Use sed so we don't have a line begining with @echo. Metaconfig
?X: will think that's a command like @if or @end.
$sed 's/^X //' > testmake.mak << 'EOF'
Xall:
X @echo 'maketemp="\$(MAKE)'"
EOF
?X: GNU make sometimes prints "make[1]: Entering...", which would confuse us
case ""$make -f testmake.mak 2>/dev/null" in
*maketemp=*) make_set_make='#' ;;
*) make_set_make="MAKE=$make" ;;

```

```
esac
$rm
-f testmake.mak
;;
esac
case "$make_set_make" in
#) echo "Yup, it does.";;
*) echo "Nope, it doesn't.";;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/make.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999, Jarkko Hietaniemi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:full\_ar: ar

?MAKE: -pick add \$@ %<

?S:full\_ar:

?S: This variable contains the full pathname to 'ar', whether or

?S: not the user has specified 'portability'. This is only used

?S: in the Makefile.SH.

?S:.

: Store the full pathname to the ar program for use in the C program

: Respect a hint or command line value for full\_ar.

```
case "$full_ar" in
```

```
) full_ar=$ar ;;
```

```
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/Loc_ar.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Compile.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public



?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS:

?X:

?X: This unit is just a quick shorthand for the compile command

?X: to be used in all the other metaconfig units.

?X:

?MAKE:Compile: +cc +optimize +ccflags +ldflags +libs test

?MAKE: -pick add \$@ %<

?LINT:extern usedevel

?LINT:define compile compile\_ok

?V:compile compile\_ok mc\_file

?S:compile:

?S: This shell variable is used internally by Configure to provide

?S: a convenient shorthand for the typical compile command, namely

?S: \$cc \$optimize \$ccflags \$ldflags -o \$1 \$1.c \$libs > /dev/null 2>&1

?S: Note that the output filename does not include the \_exe

?S: extension. Instead we assume that the linker will be

?S: "helpful" and automatically appending the correct suffix.

?S: OS/2 users

will apparently need to supply the -Zexe flag to

?S: get this behavior.

?S:

?S: To use this variable, say something like:

?S: echo 'int main() { exit(0); }' > try.c

?S: set try

?S: if eval \$compile; then

?S: echo "success" # and do whatever . . .

?S: else

?S: echo "failure" # and do whatever . . .

?S: fi

?S: To add extra flags cc flags (e.g. -DWHATEVER) just put them

?S: in \$\*, e.g.

?S: set try -DTRY\_THIS\_FLAG

?S:.

?S:compile\_ok:

?S: This shell variable is used internally by Configure to provide

?S: a convenient shorthand for the typical compile command that you

?S: expect to work ok. It is the same as \$compile, except we

?S: deliberately let the user see any error messages.

?S:.

: define a shorthand compile call

```
compile='
mc_file=$1;
shift;
case "$usedevel" in true|true[yY]*) if $test ! -f "${mc_file}.c"; then
echo "Internal Configure script bug - compiler test file ${mc_file}.c is missing. Please report this to
perlbug@perl.org" >&4;
```

```

exit 1;
fi;
esac;
$cc -o ${mc_file}
  $optimize $ccflags $ldflags $* ${mc_file}.c $libs > /dev/null 2>&1;'
: define a shorthand compile call for compilations that should be ok.
compile_ok='
mc_file=$1;
shift;
$cc -o ${mc_file} $optimize $ccflags $ldflags $* ${mc_file}.c $libs > /dev/null 2>&1;'

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/Compile.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2009 H.Merijn Brand

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_getnameinfo: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getnameinfo:

?S: This variable conditionally defines the HAS\_GETNAMEINFO symbol,

?S: which indicates to the C program that the getnameinfo() function

?S: is available.

?S:.

?C:HAS\_GETNAMEINFO:

?C: This symbol, if defined, indicates that the getnameinfo() function

?C: is available for use.

?C:.

?H:#\$d\_getnameinfo HAS\_GETNAMEINFO /\*\*/

?H:.

?LINT:set d\_getnameinfo

: see if getnameinfo exists

set getnameinfo d\_getnameinfo

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_getnameinfo.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_chown.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_chown.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:07:14 ram
?RCS: patch32: created by ADO
?RCS:
?MAKE:d_chown: Inlibc
?MAKE: -pick add $@ %<
?S:d_chown:
?S: This variable conditionally defines the HAS_CHOWN symbol, which
?S: indicates to the C program that the chown() routine is available.
?S:.
?C:HAS_CHOWN :
?C: This symbol, if defined, indicates that the chown routine is
?C: available.
?C:.
?H:#$d_chown
HAS_CHOWN /**/
?H:.
?LINT:set d_chown
: see if chown exists
set chown d_chown
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_chown.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_truncate.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_truncate.U,v $
```

?RCS: Revision 3.0 1993/08/18 12:07:48 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_truncate: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_truncate:  
?S: This variable conditionally defines HAS\_TRUNCATE if truncate() is  
?S: available to truncate files.  
?S:.  
?C:HAS\_TRUNCATE (TRUNCATE):  
?C: This symbol, if defined, indicates that the truncate routine is  
?C: available to truncate files.  
?C:.  
?H:#\$d\_truncate HAS\_TRUNCATE /\*\*/  
?H:.  
?LINT:set  
d\_truncate  
: see if truncate exists  
set truncate d\_truncate  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_truncate.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: gidtype.U,v \$  
?RCS: Revision 3.0.1.3 1994/08/29 16:21:44 ram  
?RCS: patch32: now uses new Typedef unit to compute type information  
?RCS: patch32: removed useless usage of Setvar (for now)  
?RCS:  
?RCS: Revision 3.0.1.2 1994/05/13 15:21:07 ram  
?RCS: patch27: added lint hint  
?RCS:  
?RCS: Revision 3.0.1.1 1994/05/06 15:01:51 ram  
?RCS: patch23: protected gidtype setting via setvar (ADO)  
?RCS: patch23: made Gid\_t comment more explicit (ADO)  
?RCS:

?RCS: Revision 3.0 1993/08/18 12:08:11 ram

?RCS:

Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:gidtype: Myread Typedef Findhdr

?MAKE: -pick add \$@ %<

?S:gidtype:

?S: This variable defines Gid\_t to be something like gid\_t, int,

?S: ushort, or whatever type is used to declare the return type

?S: of getgid(). Typically, it is the type of group ids in the kernel.

?S:.

?C:Gid\_t (GIDTYPE):

?C: This symbol holds the return type of getgid() and the type of

?C: argument to setrgid() and related functions. Typically,

?C: it is the type of group ids in the kernel. It can be int, ushort,

?C: uid\_t, etc... It may be necessary to include <sys/types.h> to get

?C: any typedefed information.

?C:.

?H:#define Gid\_t \$gidtype /\* Type for getgid(), etc... \*/

?H:.

?T:xxx

: see what type gids are declared as in the kernel

set gid\_t gidtype xxx stdio.h sys/types.h

eval \$typedef

case "\$gidtype" in

xxx)

xxx=`./findhdr sys/user.h`

set `grep 'groups\[NGROUPS\];' "\$xxx" 2>/dev/null` unsigned short

case \$1 in

unsigned) dflt="\$1 \$2" ;;

\*) dflt="\$1"

::

esac

::

\*) dflt="\$gidtype";;

esac

echo " "

rp="What is the type for group ids returned by getgid()?"

./myread

gidtype="\$ans"

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/gidtype.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: vendorscript.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera \$

?RCS:

?RCS: Copyright (c) 1999, Andy Dougherty

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: vendorscript.U,v \$

?RCS: Revision 1.1 1999/07/08 18:32:57 doughera

?RCS: Initial revision

?RCS:

?MAKE:d\_vendorscript vendorscript vendorscriptexp installvendorscript: Getfile \  
vendorbin cat Setprefixvar Oldconfig Prefixit test vendorprefix

?MAKE: -pick add \$@ %<

?Y:TOP

?S:vendorscript:

?S: This variable contains the eventual value of the VENDORSRIPT symbol.  
?S: It may have a ~ on the front.  
?S: The standard distribution will put nothing in this  
directory.

?S: Vendors who distribute perl may wish to place additional  
?S: executable scripts in this directory with  
?S: MakeMaker Makefile.PL INSTALLDIRS=vendor  
?S: or equivalent. See INSTALL for details.

?S:.

?S:vendorscriptexp:

?S: This variable is the ~name expanded version of vendorscript, so that you  
?S: may use it directly in Makefiles or shell scripts.

?S:.

?D:installvendorscript="

?S:installvendorscript:

?S: This variable is really the same as vendorscriptexp but may differ on  
?S: those systems using AFS. For extra portability, only this variable  
?S: should be used in makefiles.

?S:.

?S:d\_vendorscript:

?S: This variable conditionally defines PERL\_VENDORSRIPT.

?S:.

?C:PERL\_VENDORSRIPT:

?C: If defined, this symbol contains the name of a directory  
?C: for holding vendor-supplied executable scripts.  
?C: It may have a ~ on the front.  
?C: The standard distribution will put nothing in this directory.  
?C: Vendors who distribute perl may wish to place additional  
?C: executable  
scripts in this directory with  
?C: MakeMaker Makefile.PL INSTALLDIRS=vendor

?C: or equivalent. See INSTALL for details.

?C:.

?C:PERL\_VENDORSCRIPT\_EXP:

?C: This symbol contains the ~name expanded version of VENDORSCRIPT, to be used

?C: in programs that are not prepared to deal with ~ expansion at run-time.

?C:.

?H:#\$d\_vendorscript PERL\_VENDORSCRIPT "\$vendorscript" /\*\*/

?H:#\$d\_vendorscript PERL\_VENDORSCRIPT\_EXP "\$vendorscriptexp" /\*\*/

?H:.

?LINT:change prefixvar

?LINT:set installvendorscript

: Set the vendorscript variables

case "\$vendorprefix" in

) d\_vendorscript="\$sundef"

vendorscript="

vendorscriptexp="

::

\*) d\_vendorscript="\$sdefine"

: determine where vendor-supplied scripts go.

case "\$vendorscript" in

) dflt=\$vendorprefix/script

\$test -d \$dflt || dflt=\$vendorbin ;;

\*) dflt="\$vendorscript" ;;

esac

\$cat <<EOM

The installation process will create a directory for  
vendor-supplied scripts.

EOM

fn=d~+

rp='Pathname for the vendor-supplied scripts directory?'

./getfile

vendorscript="\$sans"

vendorscriptexp="\$sansexp"

::

esac

prefixvar=vendorscript

.

./installprefix

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/vendorscript.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_seteuid.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_seteuid.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:07:08 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_seteuid: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_seteuid:  
?S: This variable conditionally defines the HAS\_SETEUID symbol, which  
?S: indicates to the C program that the seteuid() routine is available  
?S: to change the effective uid of the current program.  
?S:.  
?C:HAS\_SETEUID (SETEUID):  
?C: This symbol, if defined, indicates that the seteuid  
routine is available  
?C: to change the effective uid of the current program.  
?C:.  
?H:#\$d\_seteuid HAS\_SETEUID /\*\*/  
?H:.  
?LINT:set d\_seteuid  
: see if seteuid exists  
set seteuid d\_seteuid  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_seteuid.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: package.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: package.U,v \$  
?RCS: Revision 3.0.1.3 1994/10/29 16:27:21 ram



```

?RCS: patch36: beware of non-ascii character sets when translating case
?RCS:
?RCS: Revision 3.0.1.2 1993/11/10 17:37:02 ram
?RCS: patch14: skip definition of spackage if not otherwise used
?RCS:
?RCS: Revision 3.0.1.1 1993/09/13 16:11:10 ram
?RCS: patch10: added package, suitable for starting sentences
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:28 ram
?RCS: Baseline for dist 3.0
      netwide release.
?RCS:
?MAKE:package spackage: Nothing
?MAKE: -pick wipe $@ %<
?S:package:
?S: This variable contains the name of the package being constructed.
?S: It is primarily intended for the use of later Configure units.
?S:.
?S:spackage:
?S: This variable contains the name of the package being constructed,
?S: with the first letter uppercased, i.e. suitable for starting
?S: sentences.
?S:.
?X: dist-4 has defined PACKAGE: here, which clashes with perly.h
?X: as package is a reserved keyword in perl
?T:first last
: set package name
package='<PACKAGENAME>'
@if spackage
first=`echo $package | sed -e 's/^(.).*\1/'`
last=`echo $package | sed -e 's/^(.*)\1/'`
?X:
?X: So early in the Configure script, we don't have ./tr set up and can't
?X: include Tr in our dependency or that would create a cycle. Therefore,
?X: we have to somehow duplicate the work done in Tr. That's life.
?X:
case "`echo AbyZ | tr '[:lower:]' '[:upper:]' 2>/dev/null`"-`echo AbyZ | tr '[:upper:]' '[:lower:]'
 2>/dev/null`" in
ABYZ-abyz) spackage=`echo $first | tr '[:lower:]' '[:upper:]'`$last;;
*) spackage=`echo $first | tr '[a-z]' '[A-Z]'`$last;;
esac
@end

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/modified/package.U

```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_perlio.U,v $
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: d_perlio.U,v $
?RCS:
?MAKE:useperlio: Myread Oldconfig Setvar
?MAKE: -pick add $@ %<
?Y:TOP
?S:useperlio:
?S: This variable conditionally defines the USE_PERLIO symbol,
?S: and indicates that the PerlIO abstraction should be
?S: used throughout.
?S:.
?C:USE_PERLIO:
?C: This symbol, if defined, indicates that the PerlIO abstraction should
?C: be used throughout. If not defined, stdio should be
?C: used in a fully backward compatible manner.
?C:.
?H:%<:#ifndef USE_PERLIO
?H:%<:#$useperlio USE_PERLIO /**/
?H:%<:#endif
?H:.
: Check if we want perlio
useperlio="$define"
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/useperlio.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: usebacktrace.U,v $
?RCS:
?RCS: Copyright (c) 2014 H.Merijn Brand
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: usebacktrace.U,v $
?RCS:
?MAKE:usebacktrace: Myread Oldconfig Setvar Getfile d_backtrace
?MAKE: -pick add $@ %<
?Y:TOP
?S:usebacktrace:
?S: This variable indicates whether we are compiling with backtrace
```

```

?S: support.
?S:.
?C:USE_CBACKTRACE:
?C: This symbol, if defined, indicates that Perl should
?C: be built with support for backtrace.
?C:.
?H:#$usebacktrace USE_CBACKTRACE /**/
?H:.
?LINT:extern ccflags
?LINT:change ccflags
: add flags if using c backtrace
case "$usebacktrace" in
"" ) usebacktrace=$undef ;;
[yY]*|true|$define)
  case "$d_backtrace" in
  [yY]*|true|$define)
    case " $ccflags " in
    *" -DUSE_C_BACKTRACE "*" ) ;; # Already there.
    *) ccflags="$ccflags
-DUSE_C_BACKTRACE -g" ;;
    esac
    ;;
    *)
    echo "This system does not support backtrace" >&4
    usebacktrace=$undef
    ;;
    esac
    ;;
  esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/usebacktrace.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: Oldsym.U 1 2006-08-24 12:32:52Z rmanfredi $

```

```

?RCS:

```

```

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

```

```

?RCS:

```

```

?RCS: You may redistribute only under the terms of the Artistic License,

```

```

?RCS: as specified in the README file that comes with the distribution.

```

```

?RCS: You may reuse parts of this distribution only within the terms of

```

```

?RCS: that same Artistic License; a copy of which may be found at the root

```

```

?RCS: of the source tree for dist 4.0.

```

```

?RCS:

```

```

?RCS: $Log: Oldsym.U,v $

```

```

?RCS: Revision 3.0.1.1 1997/02/28 15:06:58 ram

```

```

?RCS: patch61: added support for src.U

```

```

?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:13 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit follows the creation of the config.sh file. It adds some
?X: special symbols: defines from patchlevel.h file if any and PERL_CONFIG_SH,
?X: which is set to true. Then, we try to keep all the new symbols that
?X: may come from a hint
?X: file or a previous config.sh file.
?X:
?MAKE:Oldsym: Config_sh cat test hint src sed sort uniq perl_patchlevel
?MAKE: -pick add $@ %<
?T:PERL_CONFIG_SH PERL_PATCHLEVEL sym tmp
?F:!UU
: add special variables
$test -f $src/patchlevel.h && \
awk '/^#define[ ]+PERL_/ {printf "%s=%s\n", $2, $3}' $src/patchlevel.h >>config.sh
echo "PERL_PATCHLEVEL='$perl_patchlevel'" >>config.sh
echo "PERL_CONFIG_SH=true" >>config.sh

: propagate old symbols
if $test -f UU/config.sh; then
?X: Make sure each symbol is unique in oldconfig.sh
<UU/config.sh $sort | $uniq >UU/oldconfig.sh
?X:
?X: All the symbols that appear twice come only from config.sh (hence the
?X: two config.sh in the command line). These symbols will be removed by
?X: the uniq -u command. The oldsyms file thus contains all the symbols
?X: that did not appear in the produced config.sh (Larry Wall).
?X:
?X: Do not touch the -u flag of uniq. This means you too, Jarkko.
?X:
$sed -n 's/^\([a-zA-Z_0-9]*\)=.*\1/p' \
config.sh config.sh UU/oldconfig.sh
\
$sort | $uniq -u >UU/oldsyms
set X ` $cat UU/oldsyms `
shift
case $# in
0) ;;
*)
$cat <<EOM
Hmm...You had some extra variables I don't know about...I'll try to keep 'em...
EOM
echo ": Variables propagated from previous config.sh file." >>config.sh
for sym in ` $cat UU/oldsyms `; do
echo " Propagating $hint variable ""$"$sym..."

```

```

eval 'tmp="$""${sym}""'
echo "$tmp" | \
sed -e "s/^\\""/g" -e "s/^\$sym=/'" -e "s/$/'" >>config.sh
done
;;
esac
fi

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Oldsym.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_semctl.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

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?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_semctl.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:04 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_semctl: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_semctl:

?S: This variable conditionally defines the HAS\_SEMCTL symbol, which

?S: indicates to the C program that the semctl() routine is available.

?S:.

?C:HAS\_SEMCTL:

?C: This symbol, if defined, indicates that the semctl() routine is

?C: available to perform semaphore control operations.

?C:.

?H:#d\_semctl

HAS\_SEMCTL /\*\*/

?H:.

?LINT:set d\_semctl

: see if semctl exists

set semctl d\_semctl

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_semctl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1996, Andy Dougherty

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: man3dir.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 16:10:34 ram

?RCS: patch61: created

?RCS:

?X:

?X: This was originally specific to perl5. Since perl5 has man pages that

?X: go in both man1/ and man3/ directories, we need both man1dir

?X: and man3dir. This unit is basically dist's mansrc.U with

?X: man3 used instead of man everywhere.

?X: I then added various tests because perl5 has \*lots\* of man3

?X: pages with long file names. -- ADO

?X:

?MAKE:man3dir

man3direxp man3ext installman3dir: afs cat nroff Loc Oldconfig \

sed man1dir spackage package Getfile prefix Prefixit Prefixup \

d\_flexfnam privlib Myread

?MAKE: -pick add \$@ %<

?Y:TOP

?S:man3dir:

?S: This variable contains the name of the directory in which manual

?S: source pages are to be put. It is the responsibility of the

?S: Makefile.SH to get the value of this into the proper command.

?S: You must be prepared to do the ~name expansion yourself.

?S:.

?S:man3direxp:

?S: This variable is the same as the man3dir variable, but is filename

?S: expanded at configuration time, for convenient use in makefiles.

?S:.

?S:installman3dir:

?S: This variable is really the same as man3direxp, unless you are using

?S: AFS in which case it points to the read/write location whereas

?S: man3direxp only points to the read-only access location. For extra

?S: portability, you should only use this variable within your makefiles.

?S:.

?S:man3ext:

?S: This variable contains the extension that the manual page should  
 ?S: have: one of 'n', 'l', or '3'. The Makefile must supply the '!'.  
 ?S: See man3dir.  
 ?S:.  
 : determine where library module manual pages go  
 set man3dir man3dir none  
 eval \$prefixit  
 \$cat <<EOM

\$package has manual pages for many of the library modules.  
 EOM

```
case "$nroff" in
nroff)
$cat <<'EOM'
```

However, you don't have nroff, so they're probably useless to you.

EOM

```
case "$man3dir" in
") man3dir="none";;
esac;;
esac
```

```
case "$d_flexfnam" in
undef)
$cat <<'EOM'
```

However, your system can't handle the long file names like File::Basename.3.

EOM

```
case "$man3dir" in
") man3dir="none";;
esac;;
esac
```

echo "If you don't want the manual sources installed, answer 'none'."

?X: We don't use /usr/local/man/man3 because some man programs will  
 ?X: only show the /usr/local/man/man3 contents, and not the system ones,  
 ?X: thus man less will show the perl module less.pm, but not the system  
 ?X: less command. We might also conflict with TCL man pages.  
 ?X: However, something like /opt/perl/man/man3  
 is fine.

```
case "$man3dir" in
") case "$prefix" in
*$package*) dflt=`echo $man1dir |
$sed -e 's/man1/man3/g' -e 's/man\1/man\3/g'` ;;
*) dflt="$privlib/man/man3" ;;
esac
;;
') dflt=none;;
```

```

*) dflt="$man3dir" ;;
esac
echo " "

fn=dn+~
rp="Where do the $package library man pages (source) go?"
./getfile
if test "X$man3direxp" != "X$ansexp"; then
installman3dir="
fi

man3dir="$ans"
man3direxp="$ansexp"
case "$man3dir" in
") man3dir=' '
installman3dir=";;
esac
if $afs; then
$cat <<EOM

```

Since you are running AFS, I need to distinguish the directory in which manual pages reside from the directory in which they are installed (and from which they are presumably copied to the former directory by occult means).

```

EOM
case "$installman3dir" in
") dflt=`echo $man3direxp | sed 's#^/afs/#/afs/.#` ;;
*) dflt="$installman3dir";;
esac
fn=de~
rp='Where will man pages be installed?'
./getfile
installman3dir="$ans"
else
installman3dir="$man3direxp"
fi

```

: What suffix  
to use on installed man pages

```

case "$man3dir" in
')
man3ext='0'
;;
*)
rp="What suffix should be used for the $package library man pages?"
case "$man3ext" in
") case "$man3dir" in

```



```

*3) dflt=3 ;;
*3p) dflt=3p ;;
*3pm) dflt=3pm ;;
*1) dflt=1;;
*n) dflt=n;;
*o) dflt=o;;
*p) dflt=p;;
*C) dflt=C;;
*L) dflt=L;;
*L3) dflt=L3;;
*) dflt=3;;
esac
;;
*) dflt="$man3ext";;
esac
./myread
man3ext="$ans"
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/man3dir.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: contains.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: contains.U,v $
?RCS: Revision 3.0 1993/08/18 12:05:35 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:contains: Nothing
?MAKE: -pick add $@ %<
?S:contains:
?S: This variable holds the command to do a grep with a proper return
?S: status. On most sane systems it is simply "grep". On insane systems
?S: it is a grep followed by a cat followed by a test. This variable
?S: is primarily for the use of other Configure units.
?S:.
: Some

```

```

greps do not return status, grrr.
echo "grimblepritz" >grimble
if grep blurfldyick grimble >/dev/null 2>&1 ; then
contains=contains
elif grep grimblepritz grimble >/dev/null 2>&1 ; then
contains=grep
else
contains=contains
fi
rm -f grimble
: the following should work in any shell
case "$contains" in
contains*)
echo " "
echo "AGH! Grep doesn't return a status. Attempting remedial action."
cat >contains <<'EOSS'
grep "$1" "$2" >.greptmp && cat .greptmp && test -s .greptmp
EOSS
chmod +x contains
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/contains.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: startperl.U,v 3.0 1993/08/18 12:09:50 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: This file is included with or a derivative work of a file included
?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.
?RCS: In accordance with clause 7 of dist's modified Artistic License:
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: startperl.U,v $
?RCS: Perl5 version -- I always have d_portable=define.
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:50 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:startperl: cat Myread sharpbang initialinstalllocation test \
versiononly version
?MAKE: -pick add $@ %<
?Y:TOP
?X: This is different from dist's standard startperl.U unit because

```

```

?X: we can't directly test #!/usr/local/bin/perl (or
whatever) because
?X: we haven't built and installed perl yet.
?S:startperl:
?S: This variable contains the string to put on the front of a perl
?S: script to make sure (hopefully) that it runs with perl and not some
?S: shell. Of course, that leading line must be followed by the classical
?S: perl idiom:
?S: eval 'exec perl -S $0 ${1+"$@"}'
?S: if $running_under_some_shell;
?S: to guarantee perl startup should the shell execute the script. Note
?S: that this magic incantation is not understood by csh.
?S:.
?C:STARTPERL:
?C: This variable contains the string to put in front of a perl
?C: script to make sure (one hopes) that it runs with perl and not
?C: some shell.
?C:.
?H:#define STARTPERL "$startperl" /**/
?H:.
: figure out how to guarantee perl startup
: XXX Note that this currently takes advantage of the bug that binexp ignores
: the Configure -Dinstallprefix setting, which in turn means that under
: relocatable @INC, initialinstalllocation is what binexp started as.
case
"$startperl" in
")
case "$sharpbang" in
*)
$cat <<EOH

```

I can use the #! construct to start perl on your system. This will make startup of perl scripts faster, but may cause problems if you want to share those scripts and perl is not in a standard place (\$initialinstalllocation/perl) on all your platforms. The alternative is to force a shell by starting the script with a single ':' character.

```

EOH
case "$versiononly" in
"$define") dflt="$initialinstalllocation/perl$version";
*) dflt="$initialinstalllocation/perl";
esac
rp='What shall I put after the #! to start up perl ("none" to not use #!)?'
./myread
case "$ans" in
none) startperl=": # use perl";
*) startperl="#!$ans"
if $test 30 -lt `echo "$ans" | wc -c`; then

```

```
$cat >&4 <<EOM
```

WARNING: Some systems limit the #! command to 32 characters.  
If you experience difficulty running Perl scripts with #!, try  
installing Perl in a directory with a shorter pathname.

```
EOM
```

```
fi ;;  
esac  
;;  
*)  
startperl=": # use perl"  
;;  
esac  
;;  
esac  
echo "I'll use $startperl to start perl scripts."
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/startperl.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 2015 Jarkko Hietaniemi, H.Merijn Brand
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:longdblfnbytes longdblfnbytes doublefnbytes doublenfnbytes: Inlibc \  
cat Compile run rm_try Setvar echo d_longdbl \  
doublekind doublesize longdblkind longdblsize
```

```
?MAKE: -pick add $@ %<
```

```
?S:longdblfnbytes:
```

```
?S: This variable contains comma-separated list of hexadecimal bytes
```

```
?S: for the long double precision infinity.
```

```
?S:.
```

```
?S:longdblfnbytes:
```

```
?S: This variable contains comma-separated list of hexadecimal bytes
```

```
?S: for the long double precision not-a-number.
```

```
?S:.
```

```
?S:doublefnbytes:
```

```
?S: This variable contains comma-separated list of hexadecimal bytes
```

```
?S: for the double precision infinity.
```

```
?S:.
```

```
?S:doublenfnbytes:
```

```
?S: This variable contains comma-separated list of hexadecimal bytes
```

?S: for  
the double precision not-a-number.

?S:.

?C:DOUBLEINFBYTES:  
?C: This symbol, if defined, is a comma-separated list of  
?C: hexadecimal bytes for the double precision infinity.  
?C:.

?C:DOUBLENANBYTES:  
?C: This symbol, if defined, is a comma-separated list of  
?C: hexadecimal bytes (0xHH) for the double precision not-a-number.  
?C:.

?C:LONGDBLINFBYTES:  
?C: This symbol, if defined, is a comma-separated list of  
?C: hexadecimal bytes for the long double precision infinity.  
?C:.

?C:LONGDBLNANBYTES:  
?C: This symbol, if defined, is a comma-separated list of  
?C: hexadecimal bytes (0xHH) for the long double precision not-a-number.  
?C:.

?H:#define DOUBLEINFBYTES \$doubleinfbytes /\*\*/  
?H:#define DOUBLENANBYTES \$doublenanbytes /\*\*/  
?H:#define LONGDBLINFBYTES \$longdblinfbytes /\*\*/  
?H:#define LONGDBLNANBYTES \$longdbl nanbytes /\*\*/  
?H:.

?F:!try  
: Check what kind of inf/nan your system has  
\$echo "Checking the kind of infinities and nans you have..." >&4  
\$echo "(The following tests may crash. That's  
okay.)" >&4  
\$cat >try.c <<EOP  
#define DOUBLESIZE \$doublesize  
#\$d\_longdbl HAS\_LONG\_DOUBLE  
#ifdef HAS\_LONG\_DOUBLE  
#define LONG\_DOUBLESIZE \$longdblsize  
#define LONG\_DOUBLEKIND \$longdblkind  
#endif  
#include <math.h>  
#include <string.h>  
#include <stdio.h>  
/\* Note that whether the sign bit is on or off  
\* for NaN depends on the CPU/FPU, and possibly  
\* can be affected by the build toolchain.  
\*  
\* For example for older MIPS and HP-PA 2.0 the quiet NaN is:  
\* 0x7f, 0xf7, 0xff, 0xff, 0xff, 0xff, 0xff, 0xff  
\* 0x7f, 0xf4, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00  
\* (respectively) as opposed to the more usual  
\* 0x7f, 0xf8, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00

```

*
* Pre-IEEE-754 floating point format do not even have inf/nan support
* at all. They might have a "max" value (DBL_MAX), which may be deadly
* to even mention, causing immediate SIGFPE or equivalent: this is
* the case with VAX floating point, for example.
*/

```

```

static void bytes(void *v, unsigned int n) {
    unsigned char *p = (unsigned
    char *)v;
    int i;
    for (i = 0; i < n; i++) {
        printf("0x%02x%s", p[i], i < n - 1 ? ", " : "\n");
    }
}

int main(int argc, char *argv[]) {
    /* We cannot use 1.0/0.0 and 0.0/0.0 (with L suffixes for long double)
    * because some compilers are 'smart' and not only warn but refuse to
    * compile such 'illegal' values. */
    double dinf = exp(1e9);
    double dnan = sqrt(-1.0);
#ifdef HAS_LONG_DOUBLE
    long double ldinf = (long double)exp(1e9);
    long double ldnan = (long double)sqrt(-1.0);
#endif
    /* if LONG_DOUBLEKIND == 3 || LONG_DOUBLEKIND == 4
    /* the 80-bit long doubles might have garbage in their excess bytes */
    memset((char *)&ldinf + 10, '\0', LONG_DOUBLESIZE - 10);
    memset((char *)&ldnan + 10, '\0', LONG_DOUBLESIZE - 10);
#endif
    if (argc == 2) {
        switch (argv[1][0]) {
            case '1': bytes(&dinf, sizeof(dinf)); break;
            case '2': bytes(&dnan, sizeof(dnan)); break;
            case '3': bytes(&ldinf, sizeof(ldinf)); break;
            case '4': bytes(&ldnan, sizeof(ldnan)); break;
        }
    }
    return 0;
}

EOP

set try
if eval $compile; then
    doubleinfbytes=`$run ./try 1`
    doubledenabytes=`$run ./try 2`
    case "$d_longdbl" in
        $define)
            longdblinfbytes=`$run ./try 3`
            longdblnanbytes=`$run ./try 4`

```

```

;;
esac
else
# Defaults in case the above test program failed.
case "$doublekind" in
1) # IEEE 754 32-bit LE
doubleinfbytes='0x00, 0x00, 0xf0, 0x7f'
doublenanbytes='0x00, 0x00, 0xf8, 0x7f'
;;
2) # IEEE 754 32-bit BE
doubleinfbytes='0x7f, 0xf0, 0x00, 0x00'
doublenanbytes='0x7f, 0xf8, 0x00, 0x00'
;;
3) # IEEE 754 64-bit LE
doubleinfbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0xf0, 0x7f'
doublenanbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0xf8, 0x7f'
;;
4) # IEEE 754 64-bit BE
doubleinfbytes='0x7f, 0xf0, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00'
doublenanbytes='0x7f, 0xf8, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00'
;;
5) # IEEE 754 128-bit LE
doubleinfbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0xf0,
0x7f'
doublenanbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0xf8,
0x7f'
;;
6) # IEEE 754 128-bit BE
doubleinfbytes='0x7f, 0xf0, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
doublenanbytes='0x7f, 0xf8, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
;;
7) # IEEE 754 64-bit mixed: 32-bit LEs in BE
doubleinfbytes='0x00, 0x00, 0xf0, 0x7f, 0x00, 0x00, 0x00, 0x00'
doublenanbytes='0x00, 0x00, 0xf8, 0x7f, 0x00, 0x00, 0x00, 0x00'
;;
8) # IEEE 754 64-bit mixed: 32-bit BEs in LE
doubleinfbytes='0x00, 0x00, 0x00, 0x00, 0x7f, 0xf0, 0x00, 0x00'
doublenanbytes='0x00, 0x00, 0x00, 0x00, 0x7f, 0xf8, 0x00, 0x00'
;;
9)10)11)12)13)14) # VAX/Cray/IBM floating point formats, no inf/nan.
doubleinfbytes=$undef
doublenanbytes=$undef
;;
*) # No idea.
doubleinfbytes=$undef
doublenanbytes=$undef

```

```

;;
esac
case "$longdblkind" in
1) # IEEE 754 128-bit LE
    longdblfnbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0xff,
0x7f'
    longdblfnbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x80, 0xff,
0x7f'
    ;;
2) # IEEE 754 128-bit BE
    longdblfnbytes='0x7f, 0xff, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
    longdblfnbytes='0x7f, 0xff, 0x80, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
    ;;
3) # IEEE 754 80-bit LE, 12 or 16 bytes (x86)
    case "$longdblsize" in
12) # x86 32-bit (96 bits, or 4 x 32, or 12 x 8)
        longdblfnbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x80, 0xff, 0x7f, 0x00, 0x00'
        longdblfnbytes='0x00,
0x00, 0x00, 0x00, 0x00, 0x00, 0xc0, 0xff, 0x7f, 0x00, 0x00'
        ;;
16) # x86_64
        longdblfnbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x80, 0xff, 0x7f, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
        longdblfnbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0xc0, 0xff, 0x7f, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
        ;;
*) # No idea.
        longdblfnbytes=$undef
        longdblfnbytes=$undef
        ;;
    esac
    ;;
4) # IEEE 754 80-bit BE, 12 or 16 bytes
    case "$longdblsize" in
12) # 32-bit system
        longdblfnbytes='0x7f, 0xff, 0x80, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00'
        longdblfnbytes='0x7f, 0xff, 0xc0, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00'
        ;;
16) # 64-bit system
        longdblfnbytes='0x7f, 0xff, 0x80, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
        longdblfnbytes='0x7f,
0xff, 0xc0, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00'
        ;;
*) # No idea.
        longdblfnbytes=$undef

```



```

        longdblmanbytes=$undef
    ;;
    esac
    ;;
5) # 128-bit LE-LE "double double"
    longdblmanbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0xf0,
0x7f'
    longdblmanbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0xf8,
0x7f'
    ;;
6) # 128-bit BE-BE "double double"
    longdblmanbytes='0x7f, 0xf0, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
    longdblmanbytes='0x7f, 0xf8, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
    ;;
7) # 128-bit LE-BE "double double"
    longdblmanbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0xf0, 0x7f, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
    longdblmanbytes='0x00, 0x00,
0x00, 0x00, 0x00, 0xf8, 0x7f, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00'
    ;;
8) # 128-bit BE-LE "double double"
    longdblmanbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x7f, 0xf0, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
    longdblmanbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x7f, 0xf8, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
    ;;
9|10|11|12|13|14) # VAX/Cray/IBM floating point formats, no inf/nan.
    longdblmanbytes=$undef
    longdblmanbytes=$undef
    ;;
*) # No idea.
    longdblmanbytes=$undef
    longdblmanbytes=$undef
    ;;
    esac
fi
# In case the program crashed the values are empty, turn them undef.
case "$doubleinbytes" in
") doubleinbytes=$undef ;;
    esac
case "$doublemanbytes" in
") doublemanbytes=$undef ;;
    esac
case "$longdblmanbytes" in
") longdblmanbytes=$undef ;;
    esac

```

```
case "$longdblmanbytes" in
") longdblmanbytes=$undef ;;
esac
$rm_try
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/infman.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_values.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1996, Andy Dougherty
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: i_values.U,v $
```

```
?RCS: Revision 3.0.1.1 1997/02/28 15:48:34 ram
```

```
?RCS: patch61: created
```

```
?RCS:
```

```
?MAKE:i_values: Inhdr
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_values:
```

```
?S: This variable conditionally defines the I_VALUES symbol, and indicates
```

```
?S: whether a C program may include <values.h> to get symbols like MAXLONG
```

```
?S: and friends.
```

```
?S:.
```

```
?C:I_VALUES:
```

```
?C: This symbol, if defined, indicates to the C program that it should
```

```
?C: include
```

```
<values.h> to get definition of symbols like MINFLOAT or
```

```
?C: MAXLONG, i.e. machine dependant limitations. Probably, you
```

```
?C: should use <limits.h> instead, if it is available.
```

```
?C:.
```

```
?H:#$i_values I_VALUES /**/
```

```
?H:.
```

```
?LINT:set i_values
```

```
: see if this is a values.h system
```

```
set values.h i_values
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
```

5.30.0/dist/U/i\_values.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_faststdio: Setvar \

d\_stdstdio d\_stdio\_ptr\_lval d\_stdio\_cnt\_lval d\_stdio\_ptr\_lval\_sets\_cnt

?MAKE: -pick add \$@ %<

?S:d\_faststdio:

?S: This variable conditionally defines the HAS\_FAST\_STDIO symbol,

?S: which indicates to the C program that the "fast stdio" is available

?S: to manipulate the stdio buffers directly.

?S:.

?C:HAS\_FAST\_STDIO:

?C: This symbol, if defined, indicates that the "fast stdio"

?C: is available to manipulate the stdio buffers directly.

?C:.

?H:#\$d\_faststdio HAS\_FAST\_STDIO /\*\*/

?H:.

?LINT:set d\_faststdio

: see if fast\_stdio exists

val="\$undef"

case "\$d\_stdstdio:\$d\_stdio\_ptr\_lval" in

"\$define:\$define")

case "\$d\_stdio\_cnt\_lval\$d\_stdio\_ptr\_lval\_sets\_cnt" in

\*\$define\*)

echo "You

seem to have 'fast stdio' to directly manipulate the stdio buffers." >& 4

val="\$define"

::

esac

::

esac

set d\_faststdio

eval \$setvar

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/perl/d\_faststdio.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_pwritev.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

```

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_pwritev.U,v $
?RCS:
?MAKE:d_pwritev: Inlibc
?MAKE: -pick add $@ %<
?S:d_pwritev:
?S: This variable conditionally defines the HAS_PWRITEV symbol, which
?S: indicates to the C program that the pwritev() routine is available.
?S:.
?C:HAS_PWRITEV :
?C: This symbol, if defined, indicates that the pwritev routine is
?C: available to perform vectored writes on a file descriptor at a
?C: given offset.
?C:.
?H:#$d_pwritev HAS_PWRITEV /**/
?H:.
?LINT:set
d_pwritev
: see if pwritev exists
set pwritev d_pwritev
eval $inlibc

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_pwritev.U

```

No license file was found, but licenses were detected in source scan.

```

case $CONFIG in
")
if test -f config.sh; then TOP=.;
elif test -f ../config.sh; then TOP=..;
elif test -f ../../config.sh; then TOP=../../.;
elif test -f ../../../config.sh; then TOP=../../../.;
elif test -f ../../../../config.sh; then TOP=../../../../.;
else
echo "Can't find config.sh."; exit 1
fi
. $TOP/config.sh
;;
esac
case "$0" in

```

```

*/*) cd `expr X$0 : 'X\(.*/)` ;;
esac
echo "Extracting makedepend (with variable substitutions)"
$spitshell >makedepend <<!GROK!THIS!
$startsh
# $Id: makedepend.sh,v 3.0.1.1 1994/01/24 14:00:05 ram Exp ram $
#
# Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
#
# You may redistribute only under the terms of the Artistic Licence,
# as specified in the README file that comes with the distribution.
# You may reuse parts of this distribution only within the terms of
# that same Artistic Licence; a copy of which may be found at the root
# of the source tree for dist 4.0.
#
#
Original Author: Larry Wall <lwall@netlabs.com>
#
# $Log: makedepend.sh,v $
# Revision 3.0.1.1 1994/01/24 14:00:05 ram
# patch16: changed top ln-style config.sh lookup into test-style one
#
# Revision 3.0 1993/08/18 12:04:37 ram
# Baseline for dist 3.0 netwide release.
#

export PATH || (echo "OOPS, this isn't sh. Desperation time. I will feed myself to sh."; sh \${0}; kill \${0})

cat='$cat'
cppflags='$cppflags'
cp='$cp'
cpp='$cppstdin'
echo='$echo'
egrep='$egrep'
expr='$expr'
mv='$mv'
rm='$rm'
sed='$sed'
sort='$sort'
test='$test'
tr='$tr'
uniq='$uniq'
!GROK!THIS!

$spitshell >>makedepend <<!NO!SUBS!

$cat /dev/null >.deptmp
$rm -f *.c.c /*.c.c

```

```

if test -f Makefile; then
    mf=Makefile
else
    mf=makefile
fi
if test -f $mf; then
    defrule=`<$mf sed -n \
-e '/^\c\.o:.*;/{' \
-e 's/^\$*\c//' \
-e 's/^[^;]*[ ]*//p' \
-e q \
-e }' \
-e '/^\c\.o: *$/{' \
-e N \
-e 's/^\$*\c//' \
-e 's/^\.*\n[ ]*//p' \
-e q \
-e }`
fi
case
"$defrule" in
") defrule=$(CC) -c $(CFLAGS) ;;
esac

make clist || ($echo "Searching for .c files..."; \
$echo *.c | $tr ' ' '\012' | $egrep -v '*' >.clist)
gotnone=true
for file in `$cat .clist`; do
# for file in `cat /dev/null`; do
    case "$file" in
*.c) filebase=`basename $file .c` ;;
*.y) filebase=`basename $file .c` ;;
") continue ;;
esac
gotnone=false
$echo "Finding dependencies for $filebase.o."
$sed -n <$file >$file.c \
-e "/^${filebase}_init(/q" \
-e '/^#/{' \
-e 's/^\$*.$|' \
-e 's/\\$|' \
-e p \
-e }'
$cpp -I/usr/local/include -I. $cppflags $file.c | \
$sed \
-e '/^# *[0-9]!/d' \
-e 's/^\$*"(.*)".*$/$filebase'.o: \1/' \
-e 's: \./: |' \

```

```

-e 's|\.c\.c|.c'| \
  $uniq | $sort | $uniq >> .deptmp
done

$sed <Makefile >Makefile.new -e '1,/^# AUTOMATICALLY/!d'

make shlist || ($echo "Searching for .SH files..."; \
  $echo *.SH | $tr ' ' '\012' | $grep -v '*' >.shlist)
if $gotnone || $test -s .deptmp; then

  for file in `cat .shlist`; do
  $echo `sexpr X$file : 'X\(.*)\.SH` : $file config.sh \; \
    /bin/sh $file >> .deptmp
  done
  $echo "Updating Makefile..."
  $echo "# If this runs make out of memory, delete /usr/include lines." \
  >> Makefile.new
  $sed 's/^\(.*\.\o:) *(.*\.*\c) *$|1 \2; ""$defrule \2|" .deptmp \
    >>Makefile.new
else
  make hlist || ($echo "Searching for .h files..."; \
  $echo *.h | $tr ' ' '\012' | $grep -v '*' >.hlist)
  $echo "You don't seem to have a proper C preprocessor. Using grep instead."
  $grep '^#include ' `cat .clist` `cat .hlist` >.deptmp
  $echo "Updating Makefile..."
  <.clist $sed -n \
  -e '/\{ \
  -e 's/^\(.*\)\(.*\)\c|2.o: \1\2.c; ""$defrule \1\2.c|p' \
  -e d \
  -e '}' \
  -e 's/^\(.*\)\c|1.o: \1.c|p' >> Makefile.new
  <.hlist $sed -n 's/^\(.*\)\(.*\)|s= \2= \1\2=|p' >.hsed
  <.deptmp $sed -n 's|c:#include "(.*)".*|o: \1|p' | \
    $sed 's/^[^;]*|/' | \
    $sed -f
.hsed >> Makefile.new
<.deptmp $sed -n 's|c:#include <(.*)>.*|o: /usr/include/\1|p' \
  >> Makefile.new
<.deptmp $sed -n 's|h:#include "(.*)".*|h: \1|p' | \
  $sed -f .hsed >> Makefile.new
<.deptmp $sed -n 's|h:#include <(.*)>.*|h: /usr/include/\1|p' \
  >> Makefile.new
  for file in `cat .shlist`; do
  $echo `sexpr X$file : 'X\(.*)\.SH` : $file config.sh \; \
    /bin/sh $file >> Makefile.new
  done
fi
$rm -f Makefile.old

```

```
$cp Makefile Makefile.old
$cp Makefile.new Makefile
$rm Makefile.new
$echo "# WARNING: Put nothing here or make depend will gobble it up!" >> Makefile
$rm -f .deptmp `sed 's/\./c.c/' .clist` .shlist .clist .hlist .hsed
```

```
!NO!SUBS!
$unicefix makedepend
chmod +x makedepend
case `pwd` in
*SH)
    $rm -f ../makedepend
    ln makedepend ../makedepend
    ;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/makedepend.SH
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_dosuid.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Tye McQueen <tye@metronet.com> added safe setuid script checks.
?RCS:
?RCS: $Log: d_dosuid.U,v $
?RCS: Revision 3.0.1.2 1997/02/28 15:33:03 ram
?RCS: patch61: moved unit to TOP via a ?Y: layout directive
?RCS: patch61: tell them /dev/fd is not about floppy disks
?RCS:
?RCS: Revision 3.0.1.1 1994/10/29 16:12:08 ram
?RCS: patch36: added checks for secure setuid scripts (Tye McQueen)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:55 ram
?RCS: Baseline for
?RCS: dist 3.0 netwide release.
?RCS:
?MAKE:d_dosuid d_suidsaf: cat contains ls rm test Myread Setvar \
?MAKE: -pick add $@ %<
```



```

?S:d_suidsafe:
?S: This variable conditionally defines SETUID_SCRIPTS_ARE_SECURE_NOW
?S: if setuid scripts can be secure. This test looks in /dev/fd/.
?S:.
?S:d_dosuid:
?S: This variable conditionally defines the symbol DOSUID, which
?S: tells the C program that it should insert setuid emulation code
?S: on hosts which have setuid #! scripts disabled.
?S:.
?C:SETUID_SCRIPTS_ARE_SECURE_NOW:
?C: This symbol, if defined, indicates that the bug that prevents
?C: setuid scripts from being secure is not present in this kernel.
?C:.
?C:DOSUID:
?C: This symbol, if defined, indicates that the C program should
?C: check the script that it is executing for setuid/setgid bits, and
?C: attempt to emulate setuid/setgid on systems that have disabled
?C: setuid #! scripts because the kernel can't do it securely.
?C: It is up to the package
?C: designer to make sure that this emulation
?C: is done securely. Among other things, it should do an fstat on
?C: the script it just opened to make sure it really is a setuid/setgid
?C: script, it should make sure the arguments passed correspond exactly
?C: to the argument on the #! line, and it should not trust any
?C: subprocesses to which it must pass the filename rather than the
?C: file descriptor of the script to be executed.
?C:.
?H:#$d_suidsafe SETUID_SCRIPTS_ARE_SECURE_NOW /**/
?H:#$d_dosuid DOSUID /**/
?H:.
?Y:TOP
?F:!reflect
?LINT: set d_suidsafe
: see if setuid scripts can be secure
$cat <<EOM

```

Some kernels have a bug that prevents setuid #! scripts from being secure. Some sites have disabled setuid #! scripts because of this.

First let's decide if your kernel supports secure setuid #! scripts.  
(If setuid #! scripts would be secure but have been disabled anyway,  
don't say that they are secure if asked.)

EOM

```

val="$undef"
if $test -d /dev/fd; then
echo "#!$ls" >reflect

```

```

chmod
+x,u+s reflect
./reflect >flect 2>&1
if $contains "/dev/fd" flect >/dev/null; then
echo "Congratulations, your kernel has secure setuid scripts!" >&4
val="$define"
else
$cat <<EOM

```

If you are not sure if they are secure, I can check but I'll need a username and password different from the one you are using right now. If you don't have such a username or don't want me to test, simply enter 'none'.

EOM

```

rp='Other username to test security of setuid scripts with?'
dflt='none'
. ./myread
case "$ans" in
n|none)
case "$d_suidsafesafe" in
*) echo "I'll assume setuid scripts are *not* secure." >&4
dflt=n;;
"$undef")
echo "Well, the $hint value is *not* secure." >&4
dflt=n;;
*) echo "Well, the $hint value *is* secure." >&4
dflt=y;;
esac
;;
*)
$rm -f reflect flect
echo "#!$ls" >reflect
chmod +x,u+s reflect
echo >flect
chmod a+w flect
echo "'su' will (probably) prompt you for '$ans's password.'"
su $ans -c './reflect
>flect'
if $contains "/dev/fd" flect >/dev/null; then
echo "Okay, it looks like setuid scripts are secure." >&4
dflt=y
else
echo "I don't think setuid scripts are secure." >&4
dflt=n
fi
;;
esac
rp='Does your kernel have *secure* setuid scripts?'

```

```

./myread
case "$ans" in
[yY]*) val="$define";;
*) val="$undef";;
esac
fi
else
echo "I don't think setuid scripts are secure (no /dev/fd directory)." >&4
echo "(That's for file descriptors, not floppy disks.)"
val="$undef"
fi
set d_suidsafesafe
eval $setvar

```

```
$rm -f reflect flect
```

```

: now see if they want to do setuid emulation
if $test $patchlevel -lt 11; then
echo " "
val="$undef"
case "$d_suidsafesafe" in
"$define")
val="$undef"
echo "No need to emulate SUID scripts since they are secure here." >&4
;;
*)

```

```
$cat <<EOM
```

Some systems have disabled setuid scripts, especially systems where setuid scripts cannot be secure. On systems where setuid scripts have been disabled, the setuid/setgid bits on scripts are currently useless. It is possible for \$package to detect those bits and emulate setuid/setgid in a secure fashion. This emulation will only work if setuid scripts have been disabled in your kernel.

```
EOM
```

```

case "$d_dosuid" in
"$define") dflt=y ;;
*) dflt=n ;;
esac
rp="Do you want to do setuid/setgid emulation?"
./myread
case "$ans" in
[yY]*) val="$define";;
*) val="$undef";;
esac
;;
esac

```

```
set d_dosuid
eval $setvar
else
  case "$d_dosuid" in
"$define")
cat >&4 <<EOH
```

SUID emulation has been removed for 5.12  
Please re-run Configure without -Dd\_dosuid

```
EOH
exit 1;
;;
esac
d_dosuid=undef
fi
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_dosuid.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: usnm.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 16:26:40 ram

?RCS: patch61: don't use nm with the GNU C library

?RCS: patch61: added support for Linux shared libs

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:57 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:usnm runnm nm\_opt nm\_so\_opt: cat test Myread Oldconfig grep \

d\_gnulibc nm egrep rsrc osname Guess

?MAKE: -pick add \$@ %<

?S:usnm:

?S: This variable contains 'true' or 'false' depending whether the

?S: nm extraction is wanted

or not.

?S:.

?S:runnm:

?S: This variable contains 'true' or 'false' depending whether the  
?S: nm extraction should be performed or not, according to the value  
?S: of usenm and the flags on the Configure command line.

?S:.

?S:nm\_opt:

?S: This variable holds the options that may be necessary for nm.

?S:.

?S:nm\_so\_opt:

?S: This variable holds the options that may be necessary for nm

?S: to work on a shared library but that can not be used on an

?S: archive library. Currently, this is only used by Linux, where

?S: nm --dynamic is \*required\* to get symbols from an ELF library which

?S: has been stripped, but nm --dynamic is \*fatal\* on an archive library.

?S: Maybe Linux should just always set usenm=false.

?S:.

: see if nm is to be used to determine whether a symbol is defined or not

?X: If there is enough inquiries, it might be worth to wait for the nm

?X: extraction. Otherwise, the C compilations might be a better deal.

?X:

?X: Don't bother if we're using GNU libc -- skimo

```
case "$usenm"
```

```
in
```

```
)
```

```
dflt="
```

```
case "$d_gnulibc" in
```

```
"$define")
```

```
echo " "
```

```
echo "$nm probably won't work on the GNU C Library." >&4
```

```
dflt=n
```

```
::
```

```
esac
```

```
case "$dflt" in
```

```
)
```

```
if $test "$osname" = aix -a ! -f /lib/syscalls.exp; then
```

```
echo " "
```

```
echo "Whoops! This is an AIX system without /lib/syscalls.exp!" >&4
```

```
echo "'nm' won't be sufficient on this system." >&4
```

```
dflt=n
```

```
fi
```

```
::
```

```
esac
```

```
case "$dflt" in
```

```
)
```

```
if ./gnu; then
```

```
echo " "
```

```
echo "Hmm... A GNU system without a GNU C Library? Weird..." >&4
```

```
dflt=n
```

```

else
dflt=`$grep 'inlibc|csym' $src/Configure | wc -l 2>/dev/null`
if $test $dflt -gt 20; then
dflt=y
else
dflt=n
fi
fi
;;
esac
;;
*)
case "$usenm" in
true|$define) dflt=y;;
*) dflt=n;;
esac
;;
esac
$cat <<EOM

```

I can use `$nm` to extract the symbols from your C libraries. This is a time consuming task which may generate huge output on the disk (up to 3 megabytes) but that should make the symbols extraction faster. The alternative is to skip the 'nm' extraction part and to compile a small test program instead to determine whether each symbol is present. If you have a fast C compiler and/or if your 'nm' output cannot be parsed, this may be the best solution.

EOM

```

rp='Shall I use nm to extract C symbols from the libraries?'
./myread
case "$ans" in
[Nn]*) usenm=false;;
*) usenm=true;;
esac

```

?X: Name extraction is to be run if 'nm' usage is wanted and if no -r flag  
?X: was provided to configure (in which case we simply re-use the previous  
?X: values).

```

runnm=$usenm
case "$reusel" in
true) runnm=false;;
esac

```

: nm options which may be necessary

```

case "$nm_opt" in
") if $test -f /mach_boot; then

```

```

nm_opt=" # Mach
elif $test -d /usr/ccs/lib; then
  nm_opt='-p' # Solaris (and SunOS?)
elif $test -f /dgux; then
  nm_opt='-p' # DG-UX
elif $test -f /lib64/rld; then
  nm_opt='-p' # 64-bit Irix
else
  nm_opt=""
fi;;
esac

```

?X: nm options which may be necessary for shared libraries but illegal

?X: for archive libraries. Thank you,

Linux.

```

case "$nm_so_opt" in
") case "$osname" in
*linux*)
  if $nm --help | $grep 'dynamic' > /dev/null 2>&1; then
    nm_so_opt='--dynamic'
  fi
  ;;
esac
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/usenm.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_getespwnam: Inlibc

?MAKE:-pick add \$@ %<

?S:d\_getespwnam:

?S: This variable conditionally defines HAS\_GETESPWNAM if getespwnam() is

?S: available to retrieve enhanced (shadow) password entries by name.

?S:.

?C:HAS\_GETESPWNAM:

?C: This symbol, if defined, indicates that the getespwnam system call is

?C: available to retrieve enhanced (shadow) password entries by name.

?C:.

?H:#\$d\_getespwnam HAS\_GETESPWNAM /\*\*/

?H:.

?LINT:set d\_getespwnam

: see if getespwnam exists

set getespwnam d\_getespwnam

eval \$inlibc

Found in

path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_getespwnam.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Unix.U,v 3.0.1.1 1997/02/28 15:20:06 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: Unix.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:20:06 ram

?RCS: patch61: created

?RCS:

?X:

?X: The purpose of this unit is to define things that are common across all

?X: known UNIX platforms. If Configure is ported/used on a non-UNIX

?X: environment, then some of the following variables can be redefined in hint

?X: files.

?X:

?MAKE:Unix \_exe \_a \_o exe\_ext lib\_ext obj\_ext path\_sep \  
firstmakefile archobjs rm\_try: Oldconfig rm

?MAKE: -pick add \$@ %<

?MAKE: -pick add \$@ %<

?S:\_exe:

?S: This

variable defines the extension used for executable files.

?S: DJGPP, Cygwin and OS/2 use '.exe'. Stratus VOS uses '.pm'.

?S: On operating systems which do not require a specific extension

?S: for executable files, this variable is empty.

?S:.

?S:\_a:

?S: This variable defines the extension used for ordinary library files.



?S: For unix, it is '.a'. The '.' is included. Other possible  
?S: values include '.lib'.  
?S:.  
?S: \_o:  
?S: This variable defines the extension used for object files.  
?S: For unix, it is '.o'. The '.' is included. Other possible  
?S: values include '.obj'.  
?S:.  
?S: firstmakefile:  
?S: This variable defines the first file searched by make. On unix,  
?S: it is makefile (then Makefile). On case-insensitive systems,  
?S: it might be something else. This is only used to deal with  
?S: convoluted make depend tricks.  
?S:.  
?S: archobjs:  
?S: This variable defines any additional objects that must be linked  
?S: in with the program on this architecture. On unix, it is usually  
?S: empty.  
It is typically used to include emulations of unix calls  
?S: or other facilities. For perl on OS/2, for example, this would  
?S: include os2/os2.obj.  
?S:.  
?X: Metaconfig's Obsolete symbol stuff is too over-eager. In the  
?X: perl sources, it picks up things like "P" and "FLOCK" that are  
?X: not used in the way Metaconfig thinks they are. Thus I can't  
?X: just declare these obsolete and then run metaconfig -o.  
?X: Instead, I'll just handle them here.  
?X: Sadly, history has conspired to give us a web of definitions;  
?X: this could have been much simpler.  
?S: lib\_ext:  
?S: This is an old synonym for \_a.  
?S:.  
?S: exe\_ext:  
?S: This is an old synonym for \_exe.  
?S:.  
?S: obj\_ext:  
?S: This is an old synonym for \_o.  
?S:.  
?S: path\_sep:  
?S: This is an old synonym for p\_ in Head.U, the character  
?S: used to separate elements in the command shell search PATH.  
?S:.  
?S: rm\_try:  
?S: This is a cleanup variable for try test programs.  
?S: Internal Configure use only.  
?S:.  
?LINT: change p\_  
?INIT::

Trailing extension. Override this in a hint file, if needed.

?INIT:: Extra object files, if any, needed on this platform.

?INIT:archobjs="

: Define several unixisms.

: Hints files or command line option can be used to override them.

: The convoluted testing is in case hints files set either the old

: or the new name.

```

case "$_exe" in
") case "$exe_ext" in
") ;;
*) _exe="$exe_ext" ;;
esac
;;
esac
case "$_a" in
") case "$lib_ext" in
") _a='.a';;
*) _a="$lib_ext" ;;
esac
;;
esac
case "$_o" in
") case "$obj_ext" in
") _o='.o';;
*) _o="$obj_ext";;
esac
;;
esac
case "$p_" in
") case "$path_sep" in
") p_=':'.;
*) p_="$path_sep";;
esac
;;
esac
exe_ext=$_exe
lib_ext=$_a
obj_ext=$_o
path_sep=$p_

rm_try="$rm -f try try$_exe a.out .out try.[cho] try.$_o core core.try* try.core*"

@if firstmakefile
: Which makefile gets called first. This is used by make depend.
case "$firstmakefile" in
") firstmakefile='makefile';;
esac

```

@end

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Unix.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_alarm.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_alarm.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:06:58 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:d\_alarm: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_alarm:

?S: This variable conditionally defines the HAS\_ALARM symbol, which

?S: indicates to the C program that the alarm() routine is available.

?S:.

?C:HAS\_ALARM :

?C: This symbol, if defined, indicates that the alarm routine is

?C: available.

?C:.

?H:#\$d\_alarm

HAS\_ALARM /\*\*/

?H:.

?LINT:set d\_alarm

: see if alarm exists

set alarm d\_alarm

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_alarm.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getgrps.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_getgrps.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:08 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_getgrps: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_getgrps:  
?S: This variable conditionally defines the HAS\_GETGROUPS symbol, which  
?S: indicates to the C program that the getgroups() routine is available  
?S: to get the list of process groups.  
?S:.  
?C:HAS\_GETGROUPS (GETGROUPS):  
?C: This symbol, if defined, indicates that the getgroups()  
routine is  
?C: available to get the list of process groups. If unavailable, multiple  
?C: groups are probably not supported.  
?C:.  
?H:#\$d\_getgrps HAS\_GETGROUPS /\*\*/  
?H:.  
?LINT:set d\_getgrps  
: see if getgroups exists  
set getgroups d\_getgrps  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_getgrps.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_psignal.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_psignal.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:49 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_psignal: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_psignal:  
?S: This variable conditionally defines the HAS\_P SIGNAL symbol, which  
?S: indicates that the psignal() routine exists. The psignal() routine  
?S: prints a description of a signal on the standard error output.  
?S:.  
?C:HAS\_P SIGNAL (P SIGNAL):  
?C: This symbol, if defined, indicates  
that the psignal() routine exists.  
?C:.  
?H:#\$d\_psignal HAS\_P SIGNAL /\*\*/  
?H:.  
?LINT:set d\_psignal  
: see if psignal exists  
set psignal d\_psignal  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_psignal.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1998, Jarkko Hietaniemi  
?RCS:  
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?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?MAKE:i\_machcthr: Inhdr usethreads  
?MAKE: -pick add \$@ %<  
?S:i\_machcthr:  
?S: This variable conditionally defines the I\_MACH\_CTHREADS symbol,  
?S: and indicates whether a C program should include <mach/threads.h>.  
?S:.  
?C:I\_MACH\_CTHREADS:  
?C: This symbol, if defined, indicates to the C program that it should  
?C: include <mach/threads.h>.  
?C:.  
?H:#\$i\_machcthr I\_MACH\_CTHREADS /\*\*/  
?H:.

```
: see if mach cthreads are available
if test "X$usetthreads" = "X$define"; then
  set mach/cthreads.h i_machcthr
  eval $inhdr
else
  i_machcthr="$undef"
fi
```

Found

in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/i_machcthr.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: libc.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: libc.U,v \$

?RCS: Revision 3.0.1.10 1997/02/28 15:56:48 ram

?RCS: patch61: replaced .a with \$\_a all over the place

?RCS: patch61: added support for HPUX-10 nm output

?RCS:

?RCS: Revision 3.0.1.9 1995/07/25 14:11:56 ram

?RCS: patch56: now knows about OS/2 platforms

?RCS:

?RCS: Revision 3.0.1.8 1995/05/12 12:20:47 ram

?RCS: patch54: made sure only most recent version of shared lib is picked

?RCS: patch54: final "nm -p" check now uses xscan and xrun

like everybody

?RCS: patch54: can now grok Linux nm output with lead \_\_IO (ADO)

?RCS: patch54: added support for Linux ELF output, using 'W' for alias (ADO)

?RCS:

?RCS: Revision 3.0.1.7 1994/10/29 16:23:40 ram

?RCS: patch36: now looks for shared libraries before anything else (ADO)

?RCS: patch36: added new nm output format (ADO)

?RCS:

?RCS: Revision 3.0.1.6 1994/08/29 16:28:10 ram

?RCS: patch32: added I-type symbols for nm output parsing on Linux

?RCS:

?RCS: Revision 3.0.1.5 1994/06/20 07:03:24 ram

?RCS: patch30: checks are now presented by succession of if/elif

```

?RCS: patch30: uniformized checks for shared objects with new so symbol
?RCS:
?RCS: Revision 3.0.1.4 1994/05/06 15:06:33 ram
?RCS: patch23: added shared library knowledge (ADO and WED)
?RCS:
?RCS: Revision 3.0.1.3 1994/01/24 14:12:17 ram
?RCS: patch16: can now export nm_extract as an internal-use only variable
?RCS:
?RCS: Revision 3.0.1.2 1993/09/13 16:09:03 ram
?RCS: patch10: added special handling for Apollo
systems (WAD)
?RCS:
?RCS: Revision 3.0.1.1 1993/08/27 14:40:03 ram
?RCS: patch7: added entry for /usr/shlib/libc.so (OSF/1 machines)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:08:57 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libc +nm_extract: echo n c rm test grep Getfile Myread Oldconfig Loc \
sed libs incpath libpth ar runnm nm nm_opt nm_so_opt contains xlibpth \
so _a _o osname trnl tr sort uniq sysroot
?MAKE: -pick add $@ %<
?S:libc:
?S: This variable contains the location of the C library.
?S:.
?S:nm_extract:
?S: This variable holds the name of the extraction command used to process
?S: the output of nm and yield the list of defined symbols. It is used
?S: internally by Configure.
?S:.
?T:thislib try libnames xxx xscan xrun thisname com tans file
?F:!libnames !libc.tmp !tmp.imp
?LINT:extern PASE
?LINT:extern libnames
?LINT:change nm_opt
?INIT:libnames=""
: Figure out where the libc is located
case "$runnm" in
true)
?X: indentation is wrong on purpose--RAM
:
get list of predefined functions in a handy place
echo " "
case "$libc" in
") libc=unknown
case "$libs" in
*-lc_s*) libc=`./loc libc_s$_a $libc $libpth`
esac

```

```

;;
esac
case "$libs" in
") ;;
*) for thislib in $libs; do
case "$thislib" in
-|c|-|c_s)
: Handle C library specially below.
;;
-|*)
thislib=`echo $thislib | $sed -e 's/^-|/'`
if try=`. /loc lib$thislib.$so.*' X $libpth`; $test -f "$try"; then
:
elif try=`. /loc lib$thislib.$so X $libpth`; $test -f "$try"; then
:
elif try=`. /loc lib$thislib$_a X $libpth`; $test -f "$try"; then
:
elif try=`. /loc $thislib$_a X $libpth`; $test -f "$try"; then
:
elif try=`. /loc lib$thislib X $libpth`; $test -f "$try"; then
:
elif try=`. /loc $thislib X $libpth`; $test -f "$try"; then
:
elif try=`. /loc $lib$thislib$_a X $xlibpth`; $test -f "$try"; then
:
else
try="
fi
libnames="$libnames $try"
;;
*) libnames="$libnames $thislib" ;;
esac
done
;;
esac
?X:
?X: Some systems (e.g. DG/UX) use
"environmental" links, which make the test
?X: -f fail. Ditto for symbolic links. So in order to reliably check the
?X: existence of a file, we use test -r. It will still fail with DG/UX links
?X: though, but at least it will detect symbolic links. At some strategic
?X: points, we make use of (test -h), using a sub-shell in case builtin test
?X: does not implement the -h check for symbolic links. This makes it
?X: possible to preset libc in a hint file for instance and have it show up
?X: as-is in the question.
?X:
xxx=normal
case "$libc" in

```



unknown)

?X:

?X: The sed below transforms .so.9 .so.12 into something like .so.0009 .so.0012,

?X: then sorts on it to allow keeping .so.12 instead of .so.9 as the latest

?X: up-to-date library. The initial filename (before sed munging, saved in hold

?X: space via 'h') is appended via 'G' before sorting, then the leading munged

?X: part is removed after sorting. Nice efficient work from Tye McQueen.

?X: The initial blurfl is here to prevent the trailing

pipe from producing an

?X: empty string, causing Configure to output all its set variables!

?X:

```
set /lib/libc.$so
```

```
for xxx in $libpth; do
```

```
  $test -r $1 || set $xxx/libc.$so
```

```
  : The messy sed command sorts on library version numbers.
```

```
  $test -r $1 || \
```

```
  set `echo blurfl; echo $xxx/libc.$so.[0-9]* | \
```

```
  tr ' ' $trnl | egrep -v \.[A-Za-z]*$' | $sed -e '
```

```
  h
```

```
  s/[0-9][0-9]*/0000&/g
```

```
  s/0*\([0-9][0-9][0-9][0-9]\)\^1/g
```

```
  G
```

```
  s\^n/ /' | \
```

```
  $sort | $sed -e 's/^\.* //'^
```

```
eval set \$$#
```

```
done
```

```
$test -r $1 || set $sysroot/usr/ccs/lib/libc.$so
```

```
$test -r $1 || set $sysroot/lib/libsys_s$_a
```

```
::
```

\*)

?X: ensure the test below for the (shared) C library will fail

```
set blurfl
```

```
::
```

```
esac
```

```
if $test -r "$1"; then
```

```
  echo "Your (shared) C library seems to be in $1."
```

```
  libc="$1"
```

```
elif $test -r /lib/libc && $test -r /lib/clib; then
```

?X:

?X: Apollo has its C library in /lib/clib AND /lib/libc

?X: not to mention its math library in /lib/syslib...

?X:

```
echo "Your C library seems to be in both /lib/clib
```

```
and /lib/libc."
```

```
xxx=apollo
```

```
libc='/lib/clib /lib/libc'
```

```
if $test -r /lib/syslib; then
```

```
  echo "(Your math library is in /lib/syslib.)"
```

```

?X: Put syslib in libc -- not quite right, but won't hurt
  libc="$libc /lib/syslib"
fi
elif $test -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
echo "Your C library seems to be in $libc, as you said before."
?X: For mips, and...
elif $test -r $incpath/usr/lib/libc$_a; then
  libc=$incpath/usr/lib/libc$_a;
echo "Your C library seems to be in $libc. That's fine."
elif $test -r /lib/libc$_a; then
  libc=/lib/libc$_a;
echo "Your C library seems to be in $libc. You're normal."
else
if tans=`./loc libc$_a blurfl/dyick $libpth`; $test -r "$stans"; then
  :
elif tans=`./loc libc blurfl/dyick $libpth`; $test -r "$stans"; then
  libnames="$libnames "`./loc clib blurfl/dyick $libpth`
elif tans=`./loc clib blurfl/dyick $libpth`; $test -r "$stans"; then
  :
elif tans=`./loc Slibc$_a blurfl/dyick $xlibpth`; $test -r "$stans"; then
  :
elif tans=`./loc
Mlibc$_a blurfl/dyick $xlibpth`; $test -r "$stans"; then
  :
else
  tans=`./loc Llibc$_a blurfl/dyick $xlibpth`
fi
if $test -r "$stans"; then
echo "Your C library seems to be in $stans, of all places."
  libc=$stans
else
  libc='blurfl'
fi
fi
if $test $xxx = apollo -o -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
  dflt="$libc"
cat <<EOM

```

If the guess above is wrong (which it might be if you're using a strange compiler, or your machine supports multiple models), you can override it here.

```

EOM
else
  dflt=""
echo $libpth | $tr ' ' $trnl | $sort | $uniq > libpath
cat >&4 <<EOM

```

I can't seem to find your C library. I've looked in the following places:

```
EOM
$sed 's/^/ /' libpath
cat <<EOM
```

None of these seems to contain your C library. I need to get its name...

```
EOM
fi
fn=f
rp="Where is your C library?"
./getfile
libc="$sans"

echo " "
echo $libc $libnames | $tr ' ' $trnl | $sort | $uniq > libnames
set X `cat libnames`
shift
xxx=files
case $# in 1) xxx=file; esac
echo
"Extracting names from the following $xxx for later perusal:" >&4
echo " "
$sed 's/^/ /' libnames >&4
echo " "
$echo $n "This may take a while...$c" >&4

?X:
?X: Linux may need the special Dynamic option to nm for shared libraries.
?X: In general, this is stored in the nm_so_opt variable.
?X: Unfortunately, that option may be fatal on non-shared libraries.
?X:
for file in $*; do
case $file in
*$so*) $nm $nm_so_opt $nm_opt $file 2>/dev/null;;
*) $nm $nm_opt $file 2>/dev/null;;
esac
done >libc.tmp

$echo $n ".$c"
?X:
?X: To accelerate processing, we look at the correct 'sed' command
?X: by using a small subset of libc.tmp, i.e. fprintf function.
?X: When we know which sed command to use, do the name extraction
?X:
$grep fprintf libc.tmp > libc.ptf
?X:
?X: In order to enhance readability and save some space, we define
?X: some variables that will be "eval"ed.
```

?X:

```
xscan='eval "<libc.ptf $com >libc.list"; $echo $n ".$c" >&4'
```

```
xrun='eval "<libc.tmp $com >libc.list"; echo "done." >&4'
```

?X:

BSD-like output, I and W types added for Linux

?X: Some versions of Linux include a leading \_\_IO in the symbol name.

?X: HP-UX 10 reportedly has trailing spaces, though I'm surprised it has

?X: BSD-like output. (AD).

?X: GNU extension: i is "indirect function"

```
xxx='[ADTSIW]'
```

```
if com="$sed -n -e 's/___IO//' -e 's/^. * $xxx */p';\
```

```
eval $xscan;\
```

```
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
```

```
eval $xrun
```

?X: SYSV-like output

```
elif com="$sed -n -e 's/___ *//' -e 's/^\([a-zA-Z_0-9]*\).*xtern.*\1/p';\
```

```
eval $xscan;\
```

```
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
```

```
eval $xrun
```

```
elif com="$sed -n -e '/UNDEF/d' -e '/FUNC..GL/s/^. *|___ *//p';\
```

```
eval $xscan;\
```

```
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
```

```
eval $xrun
```

```
elif com="$sed -n -e 's/^. * D ___ *//p' -e 's/^. * D //p';\
```

```
eval $xscan;\
```

```
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
```

```
eval $xrun
```

```
elif com="$sed -n -e 's/___/' -e 's/^\([a-zA-Z_0-9]*\).*xtern.*text.*\1/p';\
```

```
eval $xscan;\
```

```
$contains '^fprintf$'
```

```
libc.list >/dev/null 2>&1; then
```

```
eval $xrun
```

```
elif com="$sed -n -e 's/^. *|FUNC |GLOB .*//p';\
```

```
eval $xscan;\
```

```
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
```

```
eval $xrun
```

```
elif com="$grep '|' | $sed -n -e '/COMMON/d' -e '/DATA/d' \
```

```
-e '/file/d' -e 's/^\([ ^ ]*\).*\1/p';\
```

```
eval $xscan;\
```

```
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
```

```
eval $xrun
```

```
elif com="$sed -n -e 's/^. *|FUNC |GLOB .*//p' -e 's/^. *|FUNC |WEAK .*//p';\
```

```
eval $xscan;\
```

```
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
```

```
eval $xrun
```

?X: mips nm output (sysV)

```
elif com="$sed -n -e 's/___/' -e '/Undef/d' -e '/Proc/s/ .*//p';\
```

```
eval $xscan;\
```

```

$contains '^fprintf$' libc.list >/dev/null 2>&1; then
    eval $xrun
elif com="$sed -n -e 's/^. *|Proc .*|Text *| *//p';\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
    eval $xrun
elif com="$sed -n -e '/Def. Text/s/. * \([^\ ]*\)\$/\1/p';\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
    eval $xrun
?X: OS/2
nm output
elif com="$sed -n -e 's/^-0-9a-f ]*_\(.*)=.*\1/p';\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
    eval $xrun
elif com="$sed -n -e 's/.*\.text n\ \ \ \.//p';\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
    eval $xrun
?X: AIX nm output
elif com="sed -n -e 's/^\_.*//' -e 's/[ \ ]*D[ \ ]*[0-9]*.*//p';\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
    eval $xrun
else
$nm -p $* 2>/dev/null >libc.tmp
$grep fprintf libc.tmp > libc.ptf
if com="$sed -n -e 's/^\. * [ADTSIW] *_[_.]*/p' -e 's/^\. * [ADTSIW] //p';\
eval $xscan; $contains '^fprintf$' libc.list >/dev/null 2>&1
then
    nm_opt='-p'
    eval $xrun
else
    echo " "
    echo "$nm didn't seem to work right. Trying $ar instead..." >&4
    com="
if $ar t $libc > libc.tmp && \
    $contains '^fprintf$' libc.tmp >/dev/null 2>&1
then
    for thisname in $libnames $libc; do
        $ar t $thisname >>libc.tmp
    done
    $sed -e "s/\$_o\$//" < libc.tmp > libc.list
    echo
    "Ok." >&4
    elif test "X$osname" = "Xos2" && $ar tv $libc > libc.tmp; then
?X: Repeat libc to extract forwarders to DLL entries too

```

```

for thisname in $libnames $libc; do
    $ar tv $thisname >>libc.tmp
?X: Revision 50 of EMX has bug in ar: it will not extract forwarders
?X: to DLL entries. Use emximp which will extract exactly them.
    emximp -o tmp.imp $thisname \
        2>/dev/null && \
        $sed -e 's/^\([_a-zA-Z0-9]*\) .*$/\1/p' \
        < tmp.imp >>libc.tmp
    $rm -f tmp.imp
done
$sed -e "s/\$_o\$//" -e 's/^ \+//' < libc.tmp > libc.list
echo "Ok." >&4
else
    echo "$ar didn't seem to work right." >&4
    echo "Maybe this is a Cray...trying bld instead..." >&4
    if bld t $libc | \
        $sed -e 's/.*\+//' -e "s/\$_o:.*\+/" > libc.list &&
        $test -s libc.list
    then
        for thisname in $libnames; do
            bld t $libnames | \
                $sed -e 's/.*\+//' -e "s/\$_o:.*\+/" >>libc.list
            $ar t $thisname >>libc.tmp
        done
        echo "Ok." >&4
    else
        echo
        "That didn't work either. Giving up." >&4
        exit 1
    fi
fi
fi
fi
nm_extract="$com"
case "$PASE" in
define)
    echo " "
    echo "Since you are compiling for PASE, extracting more symbols from libc.a ..." >&4
    dump -Tv /lib/libc.a | awk '$7 == "/unix" {print $5 " " $8}' | grep "^SV" | awk '{print $2}' >> libc.list
    ;;
*) if $test -f /lib/syscalls.exp; then
    echo " "
    echo "Also extracting names from /lib/syscalls.exp for good ole AIX..." >&4
    $sed -n 's/^\([^\ ]*\)[ \]*syscall[0-9]*[ \]*$/\1/p' \
        /lib/syscalls.exp >>libc.list
    fi
    ;;
esac

```

```
::
esac
$rm -f libnames libpath
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/libc.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_rmdir.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_rmdir.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:56 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_rmdir: Inlibc
?MAKE: -pick add $@ %<
?S:d_rmdir:
?S: This variable conditionally defines HAS_RMDIR if rmdir() is
?S: available to remove directories.
?S:
?C:HAS_RMDIR (RMDIR):
?C: This symbol, if defined, indicates that the rmdir routine is
?C: available to remove directories. Otherwise you should fork off a
?C: new process to exec
/bin/rmdir.
?C:
?H:#$d_rmdir HAS_RMDIR /**/
?H:
?LINT:set d_rmdir
: see if rmdir exists
set rmdir d_rmdir
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_rmdir.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: locdist.U 1 2006-08-24 12:32:52Z rmanfredi $
```

?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: locdist.U,v \$  
?RCS: Revision 3.0.1.1 1994/05/06 15:09:20 ram  
?RCS: patch23: added support for multi-state regions (WED)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:06 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:locdist orgdist citydist statedist multistatedist centrydist contdist: \  
test newslibexp cat Myread Oldconfig  
?MAKE: -pick add \$@ %<  
?S:locdist:  
?S: This variable contains the eventual value of the LOCDIST symbol,  
?S: which  
is the local organization's distribution name for news.  
?S:.  
?S:orgdist:  
?S: This variable contains the eventual value of the ORGDIST symbol,  
?S: which is the organization's distribution name for news.  
?S:.  
?S:citydist:  
?S: This variable contains the eventual value of the CITYDIST symbol,  
?S: which is the city's distribution name for news.  
?S:.  
?S:statedist:  
?S: This variable contains the eventual value of the STATEDIST symbol,  
?S: which is the state's or province's distribution name for news.  
?S:.  
?S:multistatedist:  
?S: This variable contains the eventual value of the MULTISTATEDIST symbol,  
?S: which is the news distribution code for multi-state region.  
?S:.  
?S:entrydist:  
?S: This variable contains the eventual value of the CENTRYDIST symbol,  
?S: which is the country's distribution name for news.  
?S:.  
?S:contdist:  
?S: This variable contains the eventual value of the CONTDIST symbol,  
?S: which is the continent's distribution name for news.  
?S:.



?C:LOCDIST:

?C: This symbol contains the  
distribution name for the news system that  
?C: restricts article distribution to the local organization.

?C:.

?C:ORGDIST:

?C: This symbol contains the distribution name for the news system that  
?C: restricts article distribution to the organization.

?C:.

?C:CITYDIST:

?C: This symbol contains the distribution name for the news system that  
?C: restricts article distribution to the city.

?C:.

?C:STATEDIST:

?C: This symbol contains the distribution name for the news system that  
?C: restricts article distribution to the state or province.

?C:.

?C:MULTISTATEDIST:

?C: This symbol contains the distribution name for the news system that  
?C: restricts article distribution to a multi-state region.

?C:.

?C:CNTRYDIST:

?C: This symbol contains the distribution name for the news system that  
?C: restricts article distribution to the country.

?C:.

?C:CONTDIST:

?C: This symbol contains the distribution name for the news system that  
?C: restricts article distribution to the continent.

?C:.

?H:#define LOCDIST

```
"$locdist" /**/
```

?H:#define ORGDIST "\$orgdist" /\*\*/

?H:#define CITYDIST "\$citydist" /\*\*/

?H:#define MULTISTATEDIST "\$multistatedist" /\*\*/

?H:#define STATEDIST "\$statedist" /\*\*/

?H:#define CNTRYDIST "\$cntrydist" /\*\*/

?H:#define CONTDIST "\$contdist" /\*\*/

?H:.

: get the local distributions

```
$cat <<'EOH'
```

Distribution groups are the things you use on the Distribution line to limit where an article will go to. You are likely to be a member of several distribution groups, such as organization, city, state, province, country, continent, etc. For example, Los Angeles has the distribution code "la", New Jersey has the code "nj", and Europe has the code "eunet".

The categories you will be asked are:

local organization (Could be just one machine or a cluster or an office)  
organization att, dec, kgb, ...  
city la, ny, mosc, ...  
state/province ca, nj, bc, ...  
multi-state region pnw, ne, ...  
country usa, can, rok, whatever  
continent na (North America), asia, etc.

EOH

```
if $test
-f $newslibexp/distributions; then
case "$silent" in
true) ;;
*) dflt='Hit return to continue'
rp="
./myread
;;
esac
echo "Here is your distributions file:" >&4
echo " " >&4
$cat >&4 $newslibexp/distributions
echo " " >&4
fi
echo "Use 'none' for any distributions you don't have."
echo " "
case "$locdist" in
") dflt="none";;
*) dflt="$locdist";;
esac
rp="What is the distribution code for your local organization?"
./myread
locdist="$ans"
case "$orgdist" in
") dflt="none";;
*) dflt="$orgdist";;
esac
rp="What is the distribution code for your organization?"
./myread
orgdist="$ans"
case "$citydist" in
") dflt="none";;
*) dflt="$citydist";;
esac
rp="What is the distribution code for your city?"
./myread
citydist="$ans"
case "$statedist" in
```

```

") dflt="none";;
*) dflt="$statedist";;
esac
rp="What is the distribution code for your state/province?"
./myread
statedist="$ans"
case "$multistatedist" in
") dflt="none";;
*) dflt="$multistatedist";;
esac
rp="What is the
distribution code for your multi-state region?"
./myread
multistatedist="$ans"
case "$cntrydist" in
") dflt="none";;
*) dflt="$cntrydist";;
esac
rp="What is the distribution code for your country?"
./myread
cntrydist="$ans"
case "$contdist" in
") dflt="none";;
*) dflt="$contdist";;
esac
rp="What is the distribution code for your continent?"
./myread
contdist="$ans"
$cat <<'EOM'

```

If you have any other distribution groups you will need to edit Pnews and newsetup to add them.

EOM

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/locdist.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

```

?RCS:
?RCS: $Log: Extract.U,v $
?RCS: Revision 3.0.1.2 1997/02/28 14:58:52 ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.1 1994/10/29 15:51:46 ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0 1993/08/18 12:04:52 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a shell script which can be doted in order to extract
?X: .SH files with variable substitutions.
?X:
?X: When running Configure from a remote directory ($src
is not !),
?X: then the files will be created in that directory, so beware!
?X:
?MAKE:Extract: Mkdirp src
?MAKE: -pick add $@ %<
?F:./extract
?T:CONFIG SRC dir file
: script used to extract .SH files with variable substitutions
cat >extract <<EOS
CONFIG=true
SRC="$src"
EOS
cat >>extract <<'EOS'
echo "Doing variable substitutions on .SH files..."
if test -f "$SRC/MANIFEST"; then
set x `awk '{print $1}' <$SRC/MANIFEST | grep '\.SH`
else
echo "(Looking for .SH files under the source directory.)"
set x `(cd "$SRC"; find . -name "*.SH" -print)`
fi
shift
case $# in
0) set x `(cd "$SRC"; echo *.SH)`; shift;;
esac
if test ! -f "$SRC/$1"; then
shift
fi
for file in $*; do
case "$SRC" in
".")
case "$file" in
*/*)

```

```

dir=`expr X$file : 'X\(.*)/'`
file=`expr X$file : 'X.*\^(.*)'`
(cd $dir && . ./file)
;;
*)
. ./file
;;
esac
;;
*)
?X:
?X: When running Configure remotely ($src is not '.'), we cannot source
?X: the files directly, since that would wrongly cause
?X: the extraction
?X: where the source lie instead of withing the current directory. Therefore,
?X: we need to 'sh <file' then, which is okay since they will source the
?X: existing config.sh file. It's not possible to use:
?X: ../src/Configure -S -O -Dsomething
?X: unfortunately since no new config.sh with the -Dsomething override
?X: will be created before running the .SH files. A minor buglet.
?X:
?X: Note that we must create the directory hierarchy ourselves if it does
?X: not exist already, and that is done through a shell emulation of the
?X: 'mkdir -p' command. We don't want to use the $installdir metaconfig
?X: symbol here since that would require too much to be configured for
?X: this simple extraction task that may happen quickly with 'Configure -S'.
?X: -- RAM, 18/03/96
?X:
case "$file" in
*/*)
dir=`expr X$file : 'X\(.*)/'`
file=`expr X$file : 'X.*\^(.*)'`
./mkdirp $dir
sh <"$SRC/$dir/$file"
;;
*)
sh <"$SRC/$file"
;;
esac
;;
esac
done
if
test -f "$SRC/config_h.SH"; then
if test ! -f config.h; then
?X: oops, they left it out of MANIFEST, probably, so do it anyway.
sh <"$SRC/config_h.SH"
fi

```

fi  
EOS

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Extract.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_statfs\_f\_flags: \  
Hasfield i\_sysparam i\_sysmount i\_systypes \  
i\_sysvfs i\_sysstatfs Setvar d\_statfs\_s

?MAKE: -pick add \$@ %<

?MAKE: -pick add \$@ %<

?MAKE: -pick add \$@ %<

?S:d\_statfs\_f\_flags:

?S: This variable conditionally defines the HAS\_STRUCT\_STATFS\_F\_FLAGS

?S: symbol, which indicates to struct statfs from has\_f\_flags member.

?S: This kind of struct statfs is coming from sys/mount.h (BSD),

?S: not from sys/statfs.h (SYSV).

?S:.

?C:HAS\_STRUCT\_STATFS\_F\_FLAGS:

?C: This symbol, if defined, indicates that the struct statfs

?C: does have the f\_flags member containing the mount flags of

?C: the filesystem containing the file.

?C: This kind of struct statfs is coming from <sys/mount.h> (BSD 4.3),

?C: not from <sys/statfs.h> (SYSV). Older BSDs

(like Ultrix) do not

?C: have statfs() and struct statfs, they have ustat() and getmnt()

?C: with struct ustat and struct fs\_data.

?C:.

?H:#\$d\_statfs\_f\_flags HAS\_STRUCT\_STATFS\_F\_FLAGS /\*\*/

?H:.

?LINT:set d\_statfs\_f\_flags

: see if struct statfs knows about f\_flags

case "\$d\_statfs\_s" in

define)

echo " "

echo "Checking to see if your struct statfs has f\_flags field..." >&4

set d\_statfs\_f\_flags statfs f\_flags \$i\_systypes sys/types.h \$i\_sysparam sys/param.h \$i\_sysmount sys/mount.h

\$i\_sysvfs sys/vfs.h \$i\_sysstatfs sys/statfs.h

eval \$hasfield

;;

\*) val="\$undef"

```

set d_statfs_f_flags
eval $setvar
;;
esac
case "$d_statfs_f_flags" in
"$define") echo "Yes, it does." ;;
*) echo "No, it doesn't." ;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_statfs_f_flags.U

```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_link.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_link.U,v $
```

```
?RCS: Revision 3.0.1.1 1993/08/25 14:01:13 ram
```

```
?RCS: patch6: created for completeness
```

```
?RCS:
```

```
?MAKE:d_link: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_link:
```

```
?S: This variable conditionally defines HAS_LINK if link() is
```

```
?S: available to create hard links.
```

```
?S:.
```

```
?C:HAS_LINK:
```

```
?C: This symbol, if defined, indicates that the link routine is
```

```
?C: available to create hard links.
```

```
?C:.
```

```
?H:#$d_link HAS_LINK /**/
```

```
?H:.
```

```
?LINT:set d_link
```

```
: see if link exists
```

```
set
```

```
link d_link
```

```
eval $inlibc
```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

```

5.30.0/dist/U/d\_link.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2001 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_socketmark: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_socketmark:

?S: This variable conditionally defines the HAS\_SOCKETMARK symbol, which

?S: indicates to the C program that the socketmark() routine is available.

?S:.

?C:HAS\_SOCKETMARK:

?C: This symbol, if defined, indicates that the socketmark routine is

?C: available to test whether a socket is at the out-of-band mark.

?C:.

?H:#\$d\_socketmark HAS\_SOCKETMARK /\*\*/

?H:.

?LINT:set d\_socketmark

: see if socketmark exists

set socketmark d\_socketmark

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/perl/d\_socketmark.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_ndbm.U,v 3.0.1.1 1995/05/12 12:16:53 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: i\_ndbm.U,v \$

?RCS: Revision 3.0.1.1 1995/05/12 12:16:53 ram

?RCS: patch54: made more robust by checking both header and lib (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:08:23 ram

?RCS: Baseline for dist 3.0 netwide release.



?RCS:  
?MAKE:i\_ndbm i\_gdbmndbm i\_gdbm\_ndbm d\_ndbm d\_ndbm\_h\_uses\_prototypes \  
d\_gdbmndbm\_h\_uses\_prototypes d\_gdbm\_ndbm\_h\_uses\_prototypes: \  
Inhdr Inlibc Setvar test d\_cplusplus extern\_C echo Protochk  
?MAKE: -pick add \$@ %<  
?S:i\_ndbm:  
?S: This  
variable conditionally defines the I\_NDBM symbol, which  
?S: indicates to the C program that <ndbm.h> exists and should  
?S: be included.  
?S:.  
?C:I\_NDBM:  
?C: This symbol, if defined, indicates that <ndbm.h> exists and should  
?C: be included.  
?C:.  
?S:i\_gdbmndbm:  
?S: This variable conditionally defines the I\_GDBMNDBM symbol, which  
?S: indicates to the C program that <gdbm/ndbm.h> exists and should  
?S: be included. This was the location of the ndbm.h compatibility file  
?S: in RedHat 7.1.  
?S:.  
?C:I\_GDBMNDBM:  
?C: This symbol, if defined, indicates that <gdbm/ndbm.h> exists and should  
?C: be included. This was the location of the ndbm.h compatibility file  
?C: in RedHat 7.1.  
?C:.  
?S:i\_gdbm\_ndbm:  
?S: This variable conditionally defines the I\_GDBM\_NDBM symbol, which  
?S: indicates to the C program that <gdbm-ndbm.h> exists and should  
?S: be included. This is the location of the ndbm.h compatibility file  
?S: in Debian 4.0.  
?S:.  
?C:I\_GDBM\_NDBM:  
?C: This symbol, if defined, indicates  
that <gdbm-ndbm.h> exists and should  
?C: be included. This is the location of the ndbm.h compatibility file  
?C: in Debian 4.0.  
?C:.  
?S:d\_ndbm:  
?S: This variable conditionally defines the HAS\_NDBM symbol, which  
?S: indicates that both the ndbm.h include file and an appropriate ndbm  
?S: library exist. Consult the different i\_\*ndbm variables  
?S: to find out the actual include location. Sometimes, a system has the  
?S: header file but not the library. This variable will only be set if  
?S: the system has both.  
?S:.  
?C:HAS\_NDBM:  
?C: This symbol, if defined, indicates that some form of ndbm.h or compatibility

?C: include exists, along with the appropriate library.

?C:.

?S:d\_ndbm\_h\_uses\_prototypes:

?S: This variable conditionally defines the NDBM\_H\_USES\_PROTOTYPES symbol,

?S: which indicates that the ndbm.h include file uses real ANSI C

?S: prototypes instead of K&R style function declarations. K&R style

?S: declarations are unsupported in C++, so the include file requires

?S: special handling

when using a C++ compiler and this variable is

?S: undefined. Consult the different d\_\*ndbm\_h\_uses\_prototypes variables

?S: to get the same information for alternative ndbm.h include files.

?S:.

?C:NDBM\_H\_USES\_PROTOTYPES:

?C: This symbol, if defined, indicates that <ndbm.h> uses real ANSI C

?C: prototypes instead of K&R style function declarations without any

?C: parameter information. While ANSI C prototypes are supported in C++,

?C: K&R style function declarations will yield errors.

?C:.

?S:d\_gdbmndbm\_h\_uses\_prototypes:

?S: This variable conditionally defines the NDBM\_H\_USES\_PROTOTYPES symbol,

?S: which indicates that the gdbm/ndbm.h include file uses real ANSI C

?S: prototypes instead of K&R style function declarations. K&R style

?S: declarations are unsupported in C++, so the include file requires

?S: special handling when using a C++ compiler and this variable is

?S: undefined. Consult the different d\_\*ndbm\_h\_uses\_prototypes variables

?S: to get the same information for alternative

ndbm.h include files.

?S:.

?C:GDBMNDBM\_H\_USES\_PROTOTYPES:

?C: This symbol, if defined, indicates that <gdbm/ndbm.h> uses real ANSI C

?C: prototypes instead of K&R style function declarations without any

?C: parameter information. While ANSI C prototypes are supported in C++,

?C: K&R style function declarations will yield errors.

?C:.

?S:d\_gdbm\_ndbm\_h\_uses\_prototypes:

?S: This variable conditionally defines the NDBM\_H\_USES\_PROTOTYPES symbol,

?S: which indicates that the gdbm-ndbm.h include file uses real ANSI C

?S: prototypes instead of K&R style function declarations. K&R style

?S: declarations are unsupported in C++, so the include file requires

?S: special handling when using a C++ compiler and this variable is

?S: undefined. Consult the different d\_\*ndbm\_h\_uses\_prototypes variables

?S: to get the same information for alternative ndbm.h include files.

?S:.

?C:GDBM\_NDBM\_H\_USES\_PROTOTYPES:

?C: This symbol, if defined, indicates that <gdbm-ndbm.h> uses real ANSI C

?C: prototypes

instead of K&R style function declarations without any

?C: parameter information. While ANSI C prototypes are supported in C++,

```

?C: K&R style function declarations will yield errors.
?C:.
?H:#$i_ndbm I_NDBM /**/
?H:#$i_gdbmndbm I_GDBMNDBM /**/
?H:#$i_gdbm_ndbm I_GDBM_NDBM /**/
?H:#$d_ndbm HAS_NDBM /**/
?H:#$d_ndbm_h_uses_prototypes NDBM_H_USES_PROTOTYPES /**/
?H:#$d_gdbmndbm_h_uses_prototypes GDBMNDBM_H_USES_PROTOTYPES /**/
?H:#$d_gdbm_ndbm_h_uses_prototypes GDBM_NDBM_H_USES_PROTOTYPES /**/
?H:.
?T:d_dbm_open name hdr ihdr ndbm_hdr_protochk
?LINT:set d_ndbm d_gdbmndbm_h_uses_prototypes d_gdbm_ndbm_h_uses_prototypes
d_ndbm_h_uses_prototypes
: see if ndbm.h is available
set ndbm.h i_ndbm
eval $inhdr
: Compatibility location for RedHat 7.1
set gdbm/ndbm.h i_gdbmndbm
eval $inhdr
: Compatibility location for Debian 4.0
set gdbm-ndbm.h i_gdbm_ndbm
eval $inhdr

val="$undef"
if $test "$i_ndbm" = "$define" -o "$i_gdbmndbm" = "$define" -o "$i_gdbm_ndbm" = "$define"; then
: see if dbm_open exists
set
dbm_open d_dbm_open
eval $inlibc
case "$d_dbm_open" in
$undef)
i_ndbm="$undef"
i_gdbmndbm="$undef"
i_gdbm_ndbm="$undef"
echo "We won't be including <ndbm.h>"
val="$undef"
;;
*) val="$define"
;;
esac
fi
set d_ndbm
eval $setvar

ndbm_hdr_protochk='name=$1; hdr=$2;
eval "ihdr=\$""i_$name";
val="$undef";
if $test "$ihdr" = "$define"; then

```

```

$echo "Checking if your <$hdr> uses prototypes..." >&&4;
case "$d_cplusplus" in
$define) ./protochk "$extern_C void dbm_close(DBM *);" literal "extern \"C\" {" $ihdr $hdr literal "}" &&
val="$define" ;;
*) ./protochk "$extern_C void dbm_close(int, int);" $ihdr $hdr || val="$define" ;;
esac;
case "$val" in
$define) $echo "Your <$hdr> seems to have prototypes";;
*) $echo "Your <$hdr> does not seem to have prototypes";;
esac;
fi;
set "d_{$name}_h_uses_prototypes";
eval $setvar'

```

```

set ndbm ndbm.h
eval $ndbm_hdr_protochk
set gdbmndbm gdbm/ndbm.h
eval $ndbm_hdr_protochk
set gdbm_ndbm gdbm-ndbm.h
eval $ndbm_hdr_protochk

```

Found

in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/i_ndbm.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: Ins.U,v \$

?RCS: Revision 3.0.1.1 1994/06/20 07:05:52 ram

?RCS: patch30: created by ADO

?RCS:

?X:

?X: This unit checks whether symbolic links are really supported.

?X: We can't rely on d\_symlink because that may be listed in the

?X: C library but unimplemented.

?X:

```
?MAKE:lns: ln rm touch test
?MAKE: -pick add $@ %<
?S:lns:
?S: This variable holds the name of the command to make
?S: symbolic links (if they are supported).
    It can be used
?S: in the Makefile. It is either 'ln -s' or 'ln'
?S:.
: determine whether symbolic links are supported
echo " "
$rm -f blurfl sym
$touch blurfl
if $ln -s blurfl sym > /dev/null 2>&1 && $test -f sym; then
    echo "Symbolic links are supported." >&4
    lns="$ln -s"
else
    echo "Symbolic links are NOT supported." >&4
    lns="$ln"
fi
$rm -f blurfl sym
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/lns.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_syspoll.U 15 2006-08-30 18:21:51Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?MAKE:i_syspoll: Inhdr
?MAKE: -pick add $@ %<
?S:i_syspoll:
?S: This variable conditionally defines the I_SYS_POLL symbol, which
?S: indicates to the C program that it should include <sys/poll.h>.
?S:.
?C:I_SYS_POLL:
?C: This symbol, if defined, indicates that the program may include
?C: <sys/poll.h>. When I_POLL is also defined, it's probably safest
?C: to only include <poll.h>.
?C:.
?H:#$i_syspoll I_SYS_POLL /**/
```

```
?H:
?LINT:set i_syspoll
: see if there is
  a sys/poll.h file
set sys/poll.h i_syspoll
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_syspoll.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_getopt.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_getopt.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:13 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_getopt: Inlibc
?MAKE: -pick add $@ %<
?S:d_getopt:
?S: This variable conditionally defines the HAS_GETOPT symbol, which
?S: indicates that the getopt() routine exists. The getopt() routine
?S: parses command line options in a standard fashion.
?S:
?C:HAS_GETOPT (GETOPT):
?C: This symbol, if defined, indicates that the getopt() routine
  exists.
?C:
?H:#$d_getopt HAS_GETOPT /**/
?H:
?LINT:set d_getopt
: see if getopt exists
set getopt d_getopt
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_getopt.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Setprefixvar.U,v 3.0 2006/04/01 17:25:29 hmbrand $
?RCS:
?RCS: Copyright (c) 2006-2006, H.Merijn Brand & Nicholas Clark
?RCS:
?RCS: This file is included with or a derivative work of a file included
?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.
?RCS: In accordance with clause 7 of dist's modified Artistic License:
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?X:
?X: This unit sets up the scripts installprefix and setprefixvar, so code
?X: in other parts can be more simple and maintainable
?X:
?MAKE:Setprefixvar: Myread Getfile startsh eunicefix test \
prefix prefixexp installprefix installprefixexp
?MAKE: -pick add $@ %<
?LINT:extern prefixvar
?X: metalint still sees "\${prefixvar}exp`" as variable :(
?T:prefixvarexp
?F:./setprefixvar
?F:./installprefix
: Perform
the prefixexp/installprefixexp correction if necessary
cat <<EOS >installprefix
$startsh
EOS
cat <<'EOSC' >>installprefix
: Change installation prefix, if necessary.
if $test X"$prefix" != X"$installprefix"; then
eval "install${prefixvar}=\`echo \${${prefixvar}exp | sed \"s#^\${prefixexp#\$installprefixexp#\"`"
else
eval "install${prefixvar}=\"\${${prefixvar}exp\""
fi
EOSC
chmod +x installprefix
$eunicefix installprefix

: Set variables such as privlib and privlibexp from the output of ./getfile
: performing the prefixexp/installprefixexp correction if necessary.
cat <<EOS >setprefixvar
$startsh
EOS
cat <<'EOSC' >>setprefixvar
eval "${prefixvar}=\"\${ans}\""
```

```
eval "${prefixvar}exp=\"\${sansexp}\""
```

```
./installprefix
```

```
EOSC
```

```
chmod +x setprefixvar
```

```
$eunicefix setprefixvar
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/Setprefixvar.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1998, Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?MAKE:i_sysaccess: Inhdr
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_sysaccess:
```

```
?S: This variable conditionally defines the I_SYS_ACCESS symbol,
```

```
?S: and indicates whether a C program should include <sys/access.h>.
```

```
?S:.
```

```
?C:I_SYS_ACCESS:
```

```
?C: This symbol, if defined, indicates to the C program that it should
```

```
?C: include <sys/access.h>.
```

```
?C:.
```

```
?H:#$i_sysaccess I_SYS_ACCESS /**/
```

```
?H:.
```

```
?LINT:set i_sysaccess
```

```
: see if sys/access.h is available
```

```
set sys/access.h i_sysaccess
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/acl/i_sysaccess.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_ffs.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```



?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_ffs.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:03 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_ffs: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_ffs:  
?S: This variable conditionally defines the HAS\_FFS symbol, which  
?S: indicates to the C program that the ffs() routine is available  
?S: to find the first bit which is set in its integer argument.  
?S:.  
?C:HAS\_FFS:  
?C: This symbol, if defined, indicates that the ffs routine is available  
?C: to  
find the first bit set in its argument. If it's not available,  
?C: roll your own.  
?C:.  
?H:#\$d\_ffs HAS\_FFS /\*\*/  
?H:.  
?LINT:set d\_ffs  
: see if ffs exists  
set ffs d\_ffs  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_ffs.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 2000 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_fp\_class: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_fp\_class:  
?S: This variable conditionally defines the HAS\_FP\_CLASS symbol, which  
?S: indicates to the C program that the fp\_class() routine is available.  
?S:.  
?C:HAS\_FP\_CLASS:

?C: This symbol, if defined, indicates that the fp\_class routine is  
 ?C: available to classify doubles. Available for example in Digital UNIX.  
 ?C: The returned values are defined in <math.h> and are:  
 ?C:  
 ?C: FP\_SNAN        Signaling NaN (Not-a-Number)  
 ?C: FP\_QNAN        Quiet NaN (Not-a-Number)  
 ?C: FP\_POS\_INF     +infinity  
 ?C: FP\_NEG\_INF     -infinity  
 ?C: FP\_POS\_NORM    Positive normalized  
 ?C: FP\_NEG\_NORM    Negative normalized  
 ?C: FP\_POS\_DENORM  Positive denormalized  
 ?C: FP\_NEG\_DENORM  
       Negative denormalized  
 ?C: FP\_POS\_ZERO    +0.0 (positive zero)  
 ?C: FP\_NEG\_ZERO    -0.0 (negative zero)  
 ?C:.  
 ?H:#\$d\_fp\_class HAS\_FP\_CLASS /\*\*/  
 ?H:.  
 ?LINT:set d\_fp\_class  
 : see if fp\_class exists  
 set fp\_class d\_fp\_class  
 eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fp\_class.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: newsspool.U 1 2006-08-24 12:32:52Z rmanfredi \$  
 ?RCS:  
 ?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
 ?RCS:  
 ?RCS: You may redistribute only under the terms of the Artistic Licence,  
 ?RCS: as specified in the README file that comes with the distribution.  
 ?RCS: You may reuse parts of this distribution only within the terms of  
 ?RCS: that same Artistic Licence; a copy of which may be found at the root  
 ?RCS: of the source tree for dist 4.0.  
 ?RCS:  
 ?RCS: \$Log: newsspool.U,v \$  
 ?RCS: Revision 3.0 1993/08/18 12:09:24 ram  
 ?RCS: Baseline for dist 3.0 netwide release.  
 ?RCS:  
 ?MAKE:newsspool newsspoolexp: Getfile Oldconfig  
 ?MAKE: -pick add \$@ %<  
 ?S:newsspool:  
 ?S: This variable contains the eventual value of the NEWSSPOOL symbol,  
 ?S: which is the directory name where news articles are spooled. It  
 ?S: may have a ~ on the front of it.

?S:  
?S:newsspoolexp:  
?S: This is the same as the newsspool variable, but is  
filename expanded  
?S: at configuration time, for programs not wanting to deal with it at  
?S: run-time.

?S:  
?C:NEWSSPOOL:  
?C: This symbol contains the directory name where news articles are  
?C: spooled. The program must be prepared to do ~ expansion on it.

?C:  
?C:NEWSSPOOL\_EXP:  
?C: This is the same as NEWSSPOOL, but is filename expanded at  
?C: configuration time, for use in programs not willing to do so  
?C: at run-time.

?C:  
?H:#define NEWSSPOOL "\$newsspool" /\*\*/  
?H:#define NEWSSPOOL\_EXP "\$newsspoolexp" /\*\*/  
?H:

```
: locate news spool directory
case "$newsspool" in
")
dflt=/usr/spool/news
;;
*) dflt="$newsspool";;
esac
echo " "
fn=d~
rp='Where are news spooled?'
./getfile
newsspool="$ans"
newsspoolexp="$ansexp"
```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/newsspool.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:

?RCS: \$Log: i\_time.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:45 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit finds which "time" include to use. If 'timezone' is used by the

?X: program, we also try to find which header should be included. Eventually,

?X: we look for <sys/select.h> if I\_SYSSSELECT is used, to get struct timeval.

?X:

?MAKE:i\_time i\_systime i\_systimek timeincl: cat cc cflags contains rm\_try \  
 echo n c +i\_sysselect Findhdr

?MAKE: -pick add \$@ %<

?S:i\_time:

?S: This

variable conditionally defines I\_TIME, which indicates

?S: to the C program that it should include <time.h>.

?S:.

?S:i\_systime:

?S: This variable conditionally defines I\_SYS\_TIME, which indicates

?S: to the C program that it should include <sys/time.h>.

?S:.

?S:i\_systimek:

?S: This variable conditionally defines I\_SYS\_TIME\_KERNEL, which

?S: indicates to the C program that it should include <sys/time.h>

?S: with KERNEL defined.

?S:.

?S:timeincl:

?S: This variable holds the full path of the included time header(s).

?S:.

?C:I\_TIME (USE\_TIME\_H):

?C: This symbol, if defined, indicates to the C program that it should

?C: include <time.h>.

?C:.

?C:I\_SYS\_TIME (I\_SYSTIME USE\_SYS\_TIME\_H NO\_TIME\_WITH\_SYS\_TIME):

?C: This symbol, if defined, indicates to the C program that it should

?C: include <sys/time.h>.

?C:.

?C:I\_SYS\_TIME\_KERNEL (I\_SYSTIMEKERNEL):

?C: This symbol, if defined, indicates to the C program that it should

?C: include <sys/time.h> with KERNEL defined.

?C:.

?H:#\$i\_time I\_TIME /\*\*/

?H:#\$i\_systime

I\_SYS\_TIME /\*\*/

?H:#\$i\_systimek I\_SYS\_TIME\_KERNEL /\*\*/

?H:.

?W::timezone

?T:xselect flags sysselect s\_timeval s\_timezone

```

?LINT:change i_sysselect
: see if we should include time.h, sys/time.h, or both
echo " "
echo "Testing to see if we should include <time.h>, <sys/time.h> or both." >&4
$echo $n "I'm now running the test program...$c"
$cat >try.c <<'EOCP'
#include <sys/types.h>
#ifdef I_TIME
#include <time.h>
#endif
#ifdef I_SYSTIME
#ifdef SYSTIMEKERNEL
#define KERNEL
#endif
#include <sys/time.h>
#endif
#ifdef I_SYSSELECT
#include <sys/select.h>
#endif
int main()
{
    struct tm foo;
#ifdef S_TIMEVAL
    struct timeval bar;
#endif
#ifdef S_TIMEZONE
    struct timezone tzp;
#endif
    if (foo.tm_sec == foo.tm_sec)
        exit(0);
#ifdef S_TIMEVAL
    if (bar.tv_sec == bar.tv_sec)
        exit(0);
#endif
    exit(1);
}
EOCP
flags="
@if I_SYSSELECT
if $contains 'timeval.*{' `./findhdr sys/select.h` >/dev/null 2>&1; then
    xselect='-DI_SYSSELECT'
else
    xselect="
fi
@end
@if timezone
for s_timezone

```

```

in '-DS_TIMEZONE' "; do
@else
s_timezone="
@end
?X: Every package is given a try with 'struct timeval'
@if I_SYSSELECT
for sysselect in $xselect "; do
@else
sysselect="
@end
for s_timeval in '-DS_TIMEVAL' "; do
for i_systimek in "'-DSYSTEMEKERNEL'; do
for i_time in "'-DI_TIME'; do
for i_systime in '-DI_SYSTIME' "; do
case "$flags" in
") $echo $n ".$.c"
if $cc $ccflags \
$i_time $i_systime $i_systimek $sysselect $s_timeval $s_timezone \
-o try try.c >/dev/null 2>&1 ; then
set X $i_time $i_systime $i_systimek $sysselect $s_timeval
shift
flags="$*"
echo " "
$echo $n "Succeeded with $flags$.c"
fi
;;
esac
done
done
done
done
done
@if I_SYSSELECT
done
@end
@if timezone
done
@end
timeincl="
echo " "
case "$flags" in
*SYSTEMEKERNEL*) i_systimek="$define"
timeincl=`./findhdr sys/time.h`
echo "We'll include <sys/time.h> with KERNEL defined." >&4;;
*) i_systimek="$undef";;
esac
case "$flags" in
*I_TIME*) i_time="$define"
timeincl=`./findhdr time.h`" $timeincl"

```

```

echo
"We'll include <time.h>." >&4;;
*) i_time="$undef";;
esac
case "$flags" in
*I_SYSTIME*) i_systime="$define"
timeincl=`./findhdr sys/time.h` $timeincl"
echo "We'll include <sys/time.h>." >&4;;
*) i_systime="$undef";;
esac
@if I_SYSSELECT
case "$flags" in
*I_SYSSELECT*) i_sysselect="$define"
timeincl=`./findhdr sys/select.h` $timeincl"
echo "We'll also include <sys/select.h> to get struct timeval." >&4;;
*) case "$i_sysselect" in
") i_sysselect="$undef";;
esac
esac
@end
$rm_try

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_time.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Inlibc.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Inlibc.U,v \$

?RCS: Revision 3.0.1.1 1994/10/29 15:55:08 ram

?RCS: patch36: call ./whoa explicitly instead of relying on PATH

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:03 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit checks for the definition of a given function.

?X:

?X: To use it, say:

```

?X: set function d_func
?X: eval $inlibc
?X:
?MAKE:Inlibc: Csym Whoa Oldconfig
?MAKE: -pick add $@ %<
?LINT:define inlibc
?V:inlibc
?S:inlibc:
?S: This
    shell variable is used internally by Configure to check
?S: wether a given function is defined or not. A typical use is:
?S: set function d_func
?S: eval $inlibc
?S: That will print a message, saying wether function was found or
?S: not and set d_func accordingly.
?S:.
?T:was tx sym tres td tu var
: define an is-in-libc? function
inlibc='echo " "; td=$define; tu=$undef;
sym=$1; var=$2; eval "was=\$2";
tx=yes;
case "$reuseval$was" in
true) ;;
true*) tx=no;;
esac;
case "$tx" in
yes)
set $sym tres -f;
eval $csym;
case "$tres" in
true)
echo "$sym() found." >&4;
case "$was" in $undef) ./whoa; esac; eval "$var=\$td";
*)
echo "$sym() NOT found." >&4;
case "$was" in $define) ./whoa; esac; eval "$var=\$tu";
esac;;
*)
case "$was" in
$define) echo "$sym() found." >&4;;
*) echo "$sym() NOT found." >&4;;
esac;;
esac'

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Inlibc.U

```



No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: charorder.U,v 3.0.1.1 1994/10/29 16:07:08 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: charorder.U,v $
?RCS: Revision 3.0.1.1 1994/10/29 16:07:08 ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:33 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:chorder_int chorder_short chorder_long: Myread cat Compile rm
?MAKE: -pick add $@ %<
?S:chorder_short (d_cos d_bos):
?S: Holds the value describing the byte ordering of characters in a short.
?S: On a Big-Endian machine, that
?S: would be "c0c1".
?S:.
?S:chorder_int (charoder):
?S: Holds the value describing the byte ordering of characters in an int.
?S: For instance, on a Big-Endian machine, this would be: "c0c1c2c3".
?S:.
?S:chorder_long (d_col d_bol):
?S: Holds the value describing the byte ordering of characters in a long.
?S: On a 64 bits Big-Endian machine, that would yield: "c0c1c2c3c4c5c6c7".
?S:.
?C:CHAR_ORDER_SHORT:
?C: Holds the byte ordering of characters in a short. It's a string
?C: value like "c0c1" on a Big-Endian machine.
?C:.
?C:CHAR_ORDER_INT:
?C: Holds the byte ordering of characters in an int. It's a string
?C: value like "c0c1c2c3" on a Big-Endian machine.
?C:.
?C:CHAR_ORDER_LONG:
?C: Holds the byte ordering of characters in a long. It's a string
?C: value like "c0c1c2c3c4c5c6c7" on a 64 bits Big-Endian machine.
?C:.
?H:#define CHAR_ORDER_SHORT "$chorder_short" /* byte order in a short */
?H:#define CHAR_ORDER_INT "$chorder_int" /* byte order in an int */
```

```
?H:#define CHAR_ORDER_LONG "$chorder_long"
/* byte order in a long */
?H:
?F:!byteorder
: check for character ordering
echo " "
echo "Checking out byte order..." >&4
$cat >byteorder.c <<'EOCP'
#include <stdio.h>
```

```
int main(argc, argv)
int argc;
char *argv[]; {
int i;
int max;
union {
short u_s;
int u_i;
long u_l;
char u_c[sizeof(long)];
} u;
switch (argv[1][0]) {
case 'l':
u.u_l = 0L;
/* HMS: ASSERT: sizeof(long) < 10. */
for(i = 0; i < sizeof(long); ++i) {
u.u_l *= 0x100L;
u.u_l += (0xc0 + i);
}
max = sizeof(long);
break;
case 's':
u.u_s = 0;
/* HMS: ASSERT: sizeof(short) < 10. */
for(i = 0; i < sizeof(short); ++i) {
u.u_s *= 0x100L;
u.u_s += (0xc0 + i);
}
max = sizeof(short);
break;
case 'i':
u.u_i = 0;
/* RAM: ASSERT: sizeof(int) < 10. */
for(i = 0; i < sizeof(int); ++i) {
u.u_l *= 0x100L;
u.u_l += (0xc0 + i);
}
max = sizeof(int);
```

```

    break;
default:
    max = 0;
    break;
}
for(i = 0; i < max; i++) {
    printf("%x", u.u_c[i] & 0x00FF);
}
printf("\n");
exit(0);
}
EOCP
set
byteorder
if eval $compile_ok ; then
: null statement
@if chorder_short
    chorder_short=`./byteorder s`
@end
@if chorder_int
    chorder_int=`./byteorder i`
@end
@if chorder_long
    chorder_long=`./byteorder l`
@end
else
$cat <<EOM
(I can't seem to get my test program to work. Guessing 32 bits big-endian.)
EOM
    chorder_short="c0c1"
    chorder_int="c0c1c2c3"
    chorder_long="c0c1c2c3"
fi
@if chorder_short
dflt=$chorder_short
rp="What is the order of characters in a short?"
./myread
chorder_short="$ans"
@end
@if chorder_int
dflt=$chorder_int
rp="What is the order of characters in an int?"
./myread
chorder_int="$ans"
@end
@if chorder_long
dflt=$chorder_long
rp="What is the order of characters in a long?"

```

```
./myread
chorder_long="$ans"
@end
$rm -f byteorder* core
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/charorder.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_chroot.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_chroot.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:07:17 ram
?RCS: patch32: created by ADO
?RCS:
?MAKE:d_chroot: Inlibc
?MAKE: -pick add $@ %<
?S:d_chroot:
?S: This variable conditionally defines the HAS_CHROOT symbol, which
?S: indicates to the C program that the chroot() routine is available.
?S:.
?C:HAS_CHROOT :
?C: This symbol, if defined, indicates that the chroot routine
is
?C: available.
?C:.
?H:#$d_chroot HAS_CHROOT /**/
?H:.
?LINT:set d_chroot
: see if chroot exists
set chroot d_chroot
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_chroot.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:sitehtml1dir sitehtml1direxp installsitehtml1dir: Getfile \

Setprefixvar prefix siteprefix html1dir sed

?MAKE: -pick add \$@ %<

?Y:TOP

?D:sitehtml1dir="

?S:sitehtml1dir:

?S: This variable contains the name of the directory in which site-specific

?S: html source pages are to be put. It is the responsibility of the

?S: Makefile.SH to get the value of this into the proper command.

?S: You must be prepared to do the ~name expansion yourself.

?S: The standard distribution will put nothing in this directory.

?S: After perl

has been installed, users may install their own local

?S: html pages in this directory with

?S: MakeMaker Makefile.PL

?S: or equivalent. See INSTALL for details.

?S:.

?D:sitehtml1direxp="

?S:sitehtml1direxp:

?S: This variable is the same as the sitehtml1dir variable, but is filename

?S: expanded at configuration time, for convenient use in makefiles.

?S:.

?D:installsitehtml1dir="

?S:installsitehtml1dir:

?S: This variable is really the same as sitehtml1direxp, unless you are using

?S: AFS in which case it points to the read/write location whereas

?S: html1direxp only points to the read-only access location. For extra

?S: portability, you should only use this variable within your makefiles.

?S:.

?LINT:change prefixvar

?LINT:set installsitehtml1dir

?LINT:set sitehtml1dir

?LINT:set sitehtml1direxp

: determine where add-on html pages go

: There is no standard location, so try to copy the previously-selected

: directory structure for the core html pages.

```

case "$sitehtml1dir" in
")
  dflt=`echo "$html1dir" | $sed "s#^$prefix#$siteprefix#"` ;;
*) dflt=$sitehtml1dir ;;
esac
case "$dflt" in
"|' ') dflt=none ;;
esac
fn=dn+~
rp='Pathname where the site-specific html pages should be installed?'
./getfile
prefixvar=sitehtml1dir
./setprefixvar

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/sitehtml1dir.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_socket.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 15:46:00 ram

?RCS: patch61: replaced .a with \$\_a all over the place

?RCS:

?RCS: Revision 3.0.1.1 1994/01/24 14:08:04 ram

?RCS: patch16: can now safely declare private nm\_extract in dependencies

?RCS:

?RCS: Revision 3.0 1993/08/18 12:07:26 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_socket d\_oldsock d\_sockpair socketlib sockethdr: contains libc \

echo n c nm\_opt nm\_extract Inlibc Csym \_a

?MAKE: -pick add \$@ %<

?S:d\_socket:

?S: This

variable conditionally defines HAS\_SOCKET, which indicates

?S: that the BSD socket interface is supported.

?S:.

?S:d\_sockpair:

?S: This variable conditionally defines the HAS\_SOCKETPAIR symbol, which

?S: indicates that the BSD socketpair() is supported.

?S:.

?S:d\_oldsock:

?S: This variable conditionally defines the OLDSOCKET symbol, which

?S: indicates that the BSD socket interface is based on 4.1c and not 4.2.

?S:.

?S:socketlib:

?S: This variable has the names of any libraries needed for socket support.

?S:.

?S:sockethdr:

?S: This variable has any cpp -I flags needed for socket support.

?S:.

?C:HAS\_SOCKET (SOCKET):

?C: This symbol, if defined, indicates that the BSD socket interface is

?C: supported.

?C:.

?C:HAS\_SOCKETPAIR (SOCKETPAIR):

?C: This symbol, if defined, indicates that the BSD socketpair() call is

?C: supported.

?C:.

?C:USE\_OLDSOCKET (OLDSOCKET):

?C: This symbol, if defined, indicates that the 4.1c BSD socket interface

?C: is supported instead of the 4.2/4.3 BSD

?C: socket interface. For instance,

?C: there is no setsockopt() call.

?C:.

?H:#\$d\_socket HAS\_SOCKET /\*\*/

?H:#\$d\_socketpair HAS\_SOCKETPAIR /\*\*/

?H:#\$d\_oldsock USE\_OLDSOCKET /\*\*/

?H:.

?T:val

?LINT:use libc

?LINT:set d\_socketpair

: see whether socket exists

socketlib=""

sockethdr=""

echo " "

\$echo \$n "Hmm... \$c" >&4

if set socket val -f d\_socket; eval \$csym; \$val; then

echo "Looks like you have Berkeley networking support." >&4

d\_socket="\$define"

?X: now check for advanced features

if set setsockopt val -f; eval \$csym; \$val; then

d\_oldsock="\$undef"

else

echo "...but it uses the old 4.1c interface, rather than 4.2" >&4

d\_oldsock="\$define"

```

fi
else
?X: HP-UX, for one, puts all the socket stuff in socklib.o. Note that if we
?X: come here on HP-UX, then we must have used nm to get symbols, or we really
?X: don't have sockets anyway...
if $contains socklib libc.list >/dev/null 2>&1; then
echo "Looks like you have Berkeley networking support." >&4
d_socket="$define"
: we will have
to assume that it supports the 4.2 BSD interface
d_oldsock="$undef"
else
echo "You don't have Berkeley networking in libc$_a..." >&4
?X: look for an optional networking library
if test -f /usr/lib/libnet$_a; then
?X: space between two '(' needed for ksh
( nm $nm_opt /usr/lib/libnet$_a | eval $nm_extract) || \
ar t /usr/lib/libnet$_a 2>/dev/null >> libc.list
if $contains socket libc.list >/dev/null 2>&1; then
echo "...but the Wollongong group seems to have hacked it in." >&4
socketlib="-lnet"
sockethdr="-I/usr/netinclude"
d_socket="$define"
?X: now check for advanced features
if $contains setsockopt libc.list >/dev/null 2>&1; then
d_oldsock="$undef"
else
echo "...using the old 4.1c interface, rather than 4.2" >&4
d_oldsock="$define"
fi
else
echo "or even in libnet$_a, which is peculiar." >&4
d_socket="$undef"
d_oldsock="$undef"
fi
else
echo "or anywhere else I see." >&4
d_socket="$undef"
d_oldsock="$undef"
fi
fi
fi

@if
HAS_SOCKETPAIR || d_socketpair
: see if socketpair exists
set socketpair d_socketpair
eval $inlibc

```



@end

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_socket.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_shm.U,v 3.0 1993/08/18 12:07:17 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: d\_shm.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:17 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_shm: test d\_shmctl d\_shmget d\_shmat d\_shmdt Setvar Findhdr osname

?MAKE: -pick add \$@ %<

?S:d\_shm:

?S: This variable conditionally defines the HAS\_SHM symbol, which

?S: indicates that the entire shm\*(2) library is present.

?S:.

?C:HAS\_SHM:

?C: This symbol, if defined, indicates that the entire shm\*(2) library is

?C: supported.

?C:.

?H:#\$d\_shm HAS\_SHM /\*\*/

?H:.

?T:h\_shm

?LINT:set

d\_shm

: see how much of the 'shm\*(2)' library is present.

h\_shm=true

echo " "

case "\$d\_shmctl\$d\_shmget\$d\_shmat\$d\_shmdt" in

\*"\${undef}\*) h\_shm=false;;

esac

case "\$osname" in

freebsd)

case "`ipcs 2>&1`" in

"SVID shared memory"\*"not configured"\*)

echo "Your \$osname does not have the shm\*(2) configured." >&4

```

    h_shm=false
val="$undef"
set shmctl d_shmctl
eval $setvar
set shmget d_shmget
eval $setvar
set shmat d_shmat
eval $setvar
set shmdt d_shmdt
eval $setvar
;;
    esac
;;
esac
: we could also check for sys/ipc.h ...
if $h_shm && $test `./findhdr sys/shm.h`; then
echo "You have the full shm*(2) library." >&4
val="$define"
else
echo "You don't have the full shm*(2) library." >&4
val="$undef"
fi
set d_shm
eval $setvar

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_shm.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_setgrent.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: \$Log: d\_setgrent.U,v \$

?RCS:

?MAKE:d\_setgrent: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_setgrent:

?S: This variable conditionally defines the HAS\_SETGRENТ symbol, which

?S: indicates to the C program that the setgrent() routine is available

?S: for initializing sequential access to the group database.

?S:.

?C:HAS\_SETGRENТ:

?C: This symbol, if defined, indicates that the setgrent routine is

?C: available for initializing sequential access of the group database.

?C:.

?H:#\$d\_setgrent HAS\_SETGRENT /\*\*/

?H:.

?LINT:set d\_setgrent

: see if setgrent exists

set setgrent d\_setgrent

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_setgrent.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Findhdr.U,v 3.0.1.2 1994/10/29 15:53:08 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: Original Author: Thomas Neumann <tom@smart.bo.open.de>

?RCS:

?RCS: \$Log: Findhdr.U,v \$

?RCS: Revision 3.0.1.2 1994/10/29 15:53:08 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 14:03:56 ram

?RCS: patch23: cppminus must be after other cppflags, not before

?RCS:

?RCS: Revision 3.0 1993/08/18 12:04:54 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit produces a findhdr script which

is used to locate the header

?X: files in \$usrinc or other stranger places using cpp capabilities. The

?X: script is given an include file base name, like 'stdio.h' or 'sys/file.h'

?X: and it returns the full path of the include file and a zero status or an

?X: empty string with an error status if the file could not be located.

?X:

?MAKE:Findhdr: grep test tr rm incpth awk cat startsh \

cppstdin cppminus +cppflags osname

?MAKE: -pick add \$@ %<

?LINT:extern cppfilter

```

?LINT:define fieldn
?S:fieldn:
?S: This variable is used internally by Configure. It contains the position
?S: of the included file name in cpp output. That is to say, when cpp
?S: pre-processes a #include <file> line, it replaces it by a # line which
?S: contains the original position in the input file and the full name of
?S: included file, between "quotes".
?S:.
?V:fieldn
?F:./findhdr !fieldn
?T:cline pos wanted name awkprg usrinmdir status testaccess
: determine filename position in cpp output
echo " "
echo "Computing
filename position in cpp output for #include directives..." >&4
case "$osname" in
amigaos) fieldn=3 ;; # Workaround for a bug in abc (pdksh).
esac
case "$fieldn" in
")
case "$osname" in
vos) testaccess=-e ;;
*) testaccess=-r ;;
esac
echo '#include <stdio.h>' > foo.c
$cat >fieldn <<EOF
$startsh
$cpptest $cpptestflags $cpptestminus <foo.c 2>/dev/null | \
$grep '^[ ]*#.*stdio.h' | \
while read cline; do
pos=1
set $cline
while $test $# -gt 0; do
if $test $testaccess \`echo $1 | $tr -d ""\`; then
echo "\$pos"
exit 0
fi
shift
pos=\`expr \$pos + 1\`
done
done
EOF
chmod +x fieldn
fieldn=`./fieldn`
$rm -f foo.c fieldn
;;
esac
case $fieldn in

```

```

") pos='???';;
1) pos=first;;
2) pos=second;;
3) pos=third;;
*) pos="{fieldn}th";;
esac
echo "Your cpp writes the filename in the $pos field of the line."

```

?X: To locate a header file, we cannot simply check for \$usrinc/file.h, since  
?X: some machine have the headers in weird places and our only hope is that  
?X: the C pre-processor

will know how to find those headers. Thank you Next!

: locate header file

```
$cat >findhdr <<EOF
```

```
$startsh
```

```
wanted=\$1
```

```
name=""
```

```
for usrincdir in $incpth
```

```
do
```

```
if test -f \${usrincdir}/${wanted}; then
```

```
echo "\${usrincdir}/${wanted}"
```

```
exit 0
```

```
fi
```

```
done
```

```
awkprg='{ print \${fieldn }'
```

```
echo "#include <${wanted}>" > foo\${$.c
```

```
$cppstdin $cppminus $cppflags < foo\${$.c 2>/dev/null | \
```

```
$cppfilter $grep "^[ ]*#.*${wanted}" | \
```

```
while read cline; do
```

```
name=\`echo \${cline} | $awk "\${awkprg}" | $tr -d ""\`
```

```
case "\${name}" in
```

```
*[\\|/]${wanted}) echo "\${name}"; exit 1;;
```

```
*[\\|/]${wanted}) echo "\${name}"; exit 1;;
```

```
*) exit 2;;
```

```
esac;
```

```
done;
```

```
#
```

```
# status = 0: grep returned 0 lines, case statement not executed
```

```
# status = 1: headerfile found
```

```
# status = 2: while loop executed, no headerfile found
```

```
#
```

```
status=\${?}
```

```
$rm -f foo\${$.c};
```

```
if test \${status} -eq 1; then
```

```
exit 0;
```

```
fi
```

```
exit 1
```

```
EOF
```

chmod +x findhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Findhdr.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_tcsetpgrp.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_tcsetpgrp.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:12:11 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:d\_tcsetpgrp: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_tcsetpgrp:

?S: This variable conditionally defines the HAS\_TCSETPGRP symbol, which

?S: indicates to the C program that the tcsetpgrp() routine is available

?S: to set foreground process group ID.

?S:.

?C:HAS\_TCSETPGRP

:

?C: This symbol, if defined, indicates that the tcsetpgrp routine is

?C: available to set foreground process group ID.

?C:.

?H:#\$d\_tcsetpgrp HAS\_TCSETPGRP /\*\*/

?H:.

?LINT:set d\_tcsetpgrp

: see if tcsetpgrp exists

set tcsetpgrp d\_tcsetpgrp

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_tcsetpgrp.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_sysselect.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: i\_sysselect.U,v \$  
?RCS: Revision 3.0.1.1 1993/08/25 14:01:33 ram  
?RCS: patch6: added default for i\_sysselect  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:08:35 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: Look wether <sys/select.h> exists  
?X:  
?MAKE:i\_sysselect: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_sysselect:  
?S: This variable conditionally defines I\_SYS\_SELECT, which indicates  
?S: to the C program that it should include <sys/select.h> in  
order to  
?S: get the definition of struct timeval.  
?S:.  
?C:I\_SYS\_SELECT (I\_SYSSELECT):  
?C: This symbol, if defined, indicates to the C program that it should  
?C: include <sys/select.h> in order to get definition of struct timeval.  
?C:.  
?H:#\$i\_sysselect I\_SYS\_SELECT /\*\*/  
?H:.  
?D:i\_sysselect=""  
?LINT:set i\_sysselect  
: see if sys/select.h has to be included  
set sys/select.h i\_sysselect  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_sysselect.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 2001 Jarkko Hietaniemi  
?RCS:

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?RCS: of the source tree for dist 3.0.  
?RCS:  
?MAKE:d\_socketmarkproto: Hasproto d\_socket  
?MAKE: -pick add \$@ %<  
?S:d\_socketmarkproto:  
?S: This variable conditionally defines the HAS\_SOCKETMARK\_PROTO symbol,  
?S: which indicates to the C program that the system provides  
?S: a prototype for the socketmark() function. Otherwise, it is  
?S: up to the program to supply one.  
?S:.  
?C:HAS\_SOCKETMARK\_PROTO:  
?C: This symbol, if defined, indicates that the system provides  
?C: a prototype for the socketmark() function. Otherwise, it is up  
?C: to the program to supply one. A good  
guess is  
?C: extern int socketmark(int);  
?C:.  
?H:#\$d\_socketmarkproto HAS\_SOCKETMARK\_PROTO /\*\*/  
?H:.  
?LINT:set d\_socketmarkproto  
: see if prototype for socketmark is available  
echo " "  
set d\_socketmarkproto socketmark \$d\_socket sys/socket.h  
eval \$hasproto

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_socketmarkproto.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_strdup.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_strdup.U,v \$  
?RCS: Revision 3.0.1.1 1993/12/15 08:21:41 ram  
?RCS: patch15: created  
?RCS:



```
?MAKE:d_strdup: Inlibc
?MAKE: -pick add $@ %<
?S:d_strdup:
?S: This variable conditionally defines HAS_STRDUP if strdup() is
?S: available to duplicate strings in memory.
?S:.
?C:HAS_STRDUP:
?C: This symbol, if defined, indicates that the strdup routine is
?C: available to duplicate strings in memory. Otherwise, roll up
?C: your own...
?C:.
?H:#$d_strdup HAS_STRDUP /**/
?H:.
?LINT:set
d_strdup
: see if strdup exists
set strdup d_strdup
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_strdup.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: cpp_trad.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: cpp_stuff.U,v $
?MAKE:cpp_trad: cpp cat contains rm
?MAKE: -pick add $@ %<
?S:cpp_trad:
?S: This variable contains the program to run to get traditional C
?S: preprocessor semantics and not ISO C semantics: we want something
?S: that knows as little about C as possible to use as a more general
?S: purpose preprocessor.
?S:.
?F:!foo.c !foo.cpp
: how do we get traditional cpp semantics?
echo " "
echo "Checking to see how to get traditional cpp semantics..."
```

```

>&4
$cat >foo.c <<'EOF'
#define A(x) x
#define B(y) y
A(a)B(b)
EOF
if $c++ foo.c >foo.cpp; $contains ab foo.cpp >/dev/null 2>&1; then
  echo "Plain '$c++' works just fine."
  cpp_trad="$c++"
elif $c++ -traditional foo.c >foo.cpp; \
  $contains ab foo.cpp >/dev/null 2>&1; then
  echo "We'll use '$c++ -traditional' to get proper semantics."
  cpp_trad="$c++ -traditional"
else
  echo "I don't know how to get traditional semantics with '$c++'." >&4
  cpp_trad="$c++"
fi
$rm -f foo.c foo.cpp

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/cpp_trad.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_endgrent.U,v \$

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: \$Log: d\_endgrent.U,v \$

?RCS:

?MAKE:d\_endgrent: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_endgrent:

?S: This variable conditionally defines the HAS\_ENDGRENT symbol, which

?S: indicates to the C program that the endgrent() routine is available

?S: for sequential access of the group database.

?S:.

?C:HAS\_ENDGRENT:

?C: This symbol, if defined, indicates that the getgrent routine is

?C: available for finalizing sequential access of the group database.

?C:.

?H:#\$d\_endgrent HAS\_ENDGRENT /\*\*/

?H:.

?LINT:set d\_endgrent

: see if endgrent exists

```
set endgrent d_endgrent
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_endgrent.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_db.U,v 3.0.1.3 1995/07/25 14:10:22 ram Exp $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

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?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
```

```
?RCS:
```

```
?RCS: $Log: i_db.U,v $
```

```
?RCS: Revision 3.0.1.3 1995/07/25 14:10:22 ram
```

```
?RCS: patch56: conditionally use const in test programs (ADO)
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.2 1995/05/12 12:14:42 ram
```

```
?RCS: patch54: extended for more intimate DB probing (ADO)
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.1 1994/08/29 16:21:50 ram
```

```
?RCS: patch32: created by ADO
```

```
?RCS:
```

```
?MAKE:i_db db_hashtype db_prefixtype \  
db_version_major
```

```
db_version_minor db_version_patch : \  
Inhdr +cc +ccflags rm_try contains cat \  
Compile libs sed run i_stdlib
```

```
?MAKE: -pick add $@ %<
```

```
?MAKE: -pick add $@ %<
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_db:
```

```
?S: This variable conditionally defines the I_DB symbol, and indicates
```

```
?S: whether a C program may include Berkeley's DB include file <db.h>.
```

```
?S:.
```

```
?S:db_hashtype:
```

```
?S: This variable contains the type of the hash structure element
```

```
?S: in the <db.h> header file. In older versions of DB, it was
```

```
?S: int, while in newer ones it is u_int32_t.
```

```
?S:.
```

```
?S:db_prefixtype:
```

```
?S: This variable contains the type of the prefix structure element
```

```
?S: in the <db.h> header file. In older versions of DB, it was
```

?S: int, while in newer ones it is size\_t.  
?S:.  
?S:db\_version\_major:  
?S: This variable contains the major version number of  
?S: Berkeley DB found in the <db.h> header file.  
?S:.  
?S:db\_version\_minor:  
?S: This variable contains the minor version number of  
?S: Berkeley DB found in the <db.h> header file.  
?S: For DB version 1 this is always 0.  
?S:.  
?S:db\_version\_patch:  
?S: This  
variable contains the patch version number of  
?S: Berkeley DB found in the <db.h> header file.  
?S: For DB version 1 this is always 0.  
?S:.  
?C:I\_DB:  
?C: This symbol, if defined, indicates to the C program that it should  
?C: include Berkeley's DB include file <db.h>.  
?C:.  
?C:DB\_Prefix\_t:  
?C: This symbol contains the type of the prefix structure element  
?C: in the <db.h> header file. In older versions of DB, it was  
?C: int, while in newer ones it is u\_int32\_t.  
?C:.  
?C:DB\_Hash\_t:  
?C: This symbol contains the type of the prefix structure element  
?C: in the <db.h> header file. In older versions of DB, it was  
?C: int, while in newer ones it is size\_t.  
?C:.  
?C:DB\_VERSION\_MAJOR\_CFG:  
?C: This symbol, if defined, defines the major version number of  
?C: Berkeley DB found in the <db.h> header when Perl was configured.  
?C:.  
?C:DB\_VERSION\_MINOR\_CFG:  
?C: This symbol, if defined, defines the minor version number of  
?C: Berkeley DB found in the <db.h> header when Perl was configured.  
?C: For  
DB version 1 this is always 0.  
?C:.  
?C:DB\_VERSION\_PATCH\_CFG:  
?C: This symbol, if defined, defines the patch version number of  
?C: Berkeley DB found in the <db.h> header when Perl was configured.  
?C: For DB version 1 this is always 0.  
?C:.  
?H:#\$i\_db I\_DB /\*\*/  
?H:#define DB\_Hash\_t \$db\_hashtype /\*\*/

```

?H:#define DB_Prefix_t $db_prefixtype /**/
?H:#define DB_VERSION_MAJOR_CFG $db_version_major /**/
?H:#define DB_VERSION_MINOR_CFG $db_version_minor /**/
?H:#define DB_VERSION_PATCH_CFG $db_version_patch /**/
?H:.
?F:!try
?LINT:change libs
: see if this is a db.h system
set db.h i_db
eval $inhdr

case "$i_db" in
$define)
: Check db version.
echo " "
echo "Checking Berkeley DB version ..." >&4
$cat >try.c <<EOCP
#include <sys/types.h>
#include <stdio.h>
#$i_stdlib I_STDLIB
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#include <db.h>
int main(int argc, char *argv[])
{
#ifdef DB_VERSION_MAJOR /* DB version >= 2 */
int Major, Minor, Patch ;
unsigned long Version ;
(void)db_version(&Major,
&Minor, &Patch) ;
if (argc == 2) {
printf("%d %d %d %d %d %d\n",
DB_VERSION_MAJOR, DB_VERSION_MINOR, DB_VERSION_PATCH,
Major, Minor, Patch);
exit(0);
}
printf("You have Berkeley DB Version 2 or greater.\n");

printf("db.h is from Berkeley DB Version %d.%d.%d\n",
DB_VERSION_MAJOR, DB_VERSION_MINOR, DB_VERSION_PATCH);
printf("libdb is from Berkeley DB Version %d.%d.%d\n",
Major, Minor, Patch) ;

/* check that db.h & libdb are compatible */
if (DB_VERSION_MAJOR != Major || DB_VERSION_MINOR != Minor || DB_VERSION_PATCH != Patch) {
printf("db.h and libdb are incompatible.\n") ;
exit(3);
}
}

```

```

}

printf("db.h and libdb are compatible.\n");

Version = DB_VERSION_MAJOR * 1000000 + DB_VERSION_MINOR * 1000
+ DB_VERSION_PATCH;

/* needs to be >= 2.3.4 */
if (Version < 2003004) {
/* if (DB_VERSION_MAJOR == 2 && DB_VERSION_MINOR == 0 && DB_VERSION_PATCH < 5) { */
printf("Perl needs
Berkeley DB 2.3.4 or greater.\n");
    exit(2);
}

    exit(0);
#else
#if defined(_DB_H_) && defined(BTREEMAGIC) && defined(HASHMAGIC)
    if (argc == 2) {
        printf("1 0 0\n");
        exit(0);
    }
    printf("You have Berkeley DB Version 1.\n");
    exit(0); /* DB version < 2: the coast is clear. */
#else
    exit(1); /* <db.h> not Berkeley DB? */
#endif
#endif
}
EOCP
set try
if eval $compile_ok && $run ./try; then
echo 'Looks OK.' >&4
set ` $run ./try 1 `
db_version_major=$1
db_version_minor=$2
db_version_patch=$3
else
echo "I can't use Berkeley DB with your <db.h>. I'll disable Berkeley DB." >&4
i_db=$undef
case " $libs " in
*"-ldb "*)
: Remove db from list of libraries to use
echo "Removing unusable -ldb from library list" >&4
set `echo X $libs | $sed -e 's/-ldb //' -e 's/-ldb$/'`
shift
libs="$*"
echo "libs = $libs" >&4

```

```

;;
esac
fi
$rm_try
;;
esac

@if DB_Hash_t
case "$i_db" in
define)
: Check the return type needed
for hash
echo " "
echo "Checking return type needed for hash for Berkeley DB ..." >&4
$cat >try.c <<EOCP
#include <sys/types.h>
#include <db.h>

#ifdef DB_VERSION_MAJOR
u_int32_t hash_cb (const void* ptr, size_t size)
{
return 0;
}
HASHINFO info;
int main()
{
info.hash = hash_cb;
}
#endif
EOCP
if $cc $ccflags -c try.c >try.out 2>&1 ; then
if $contains warning try.out >>/dev/null 2>&1 ; then
db_hashtype='int'
else
db_hashtype='u_int32_t'
fi
else
: XXX Maybe we should just give up here.
db_hashtype=u_int32_t
$cat try.out >&4
echo "Help: I can't seem to compile the db test program." >&4
echo "Something's wrong, but I'll assume you use $db_hashtype." >&4
fi
$rm_try
echo "Your version of Berkeley DB uses $db_hashtype for hash."
;;
*) db_hashtype=u_int32_t
;;

```

```

esac
@end
@if DB_Prefix_t
case "$i_db" in
define)
: Check the return type needed for prefix
echo " "
echo "Checking return type needed for prefix for Berkeley DB ..." >&4
cat >try.c <<EOCP
#include
<sys/types.h>
#include <db.h>

#ifdef DB_VERSION_MAJOR
size_t prefix_cb (const DBT *key1, const DBT *key2)
{
return 0;
}
BTREEINFO info;
int main()
{
info.prefix = prefix_cb;
}
#endif
EOCP
if $cc $ccflags -c try.c >try.out 2>&1 ; then
if $contains warning try.out >>/dev/null 2>&1 ; then
db_prefixtype='int'
else
db_prefixtype='size_t'
fi
else
db_prefixtype='size_t'
: XXX Maybe we should just give up here.
$cat try.out >&4
echo "Help: I can't seem to compile the db test program." >&4
echo "Something's wrong, but I'll assume you use $db_prefixtype." >&4
fi
$rm_try
echo "Your version of Berkeley DB uses $db_prefixtype for prefix."
;;
*) db_prefixtype='size_t'
;;
esac
@end

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-



5.30.0/U/perl/i\_db.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getnetbyaddr\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_getnetbyaddr\_r getnetbyaddr\_r\_proto: Inlibc Protochk Hasproto \  
i\_systypes usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_getnetbyaddr\_r:

?S: This variable conditionally defines the HAS\_GETNETBYADDR\_R symbol,

?S: which indicates to the C program that the getnetbyaddr\_r()

?S: routine is available.

?S:.

?S:getnetbyaddr\_r\_proto:

?S: This variable encodes the prototype of getnetbyaddr\_r.

?S: It is zero if d\_getnetbyaddr\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getnetbyaddr\_r

?S: is defined.

?S:.

?C:HAS\_GETNETBYADDR\_R:

?C: This symbol, if defined, indicates that  
the getnetbyaddr\_r routine

?C: is available to getnetbyaddr re-entrantly.

?C:.

?C:GETNETBYADDR\_R\_PROTO:

?C: This symbol encodes the prototype of getnetbyaddr\_r.

?C: It is zero if d\_getnetbyaddr\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getnetbyaddr\_r

?C: is defined.

?C:.

?H:#\$d\_getnetbyaddr\_r HAS\_GETNETBYADDR\_R /\*\*/

?H:#define GETNETBYADDR\_R\_PROTO \$getnetbyaddr\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_getnetbyaddr\_r\_proto

: see if getnetbyaddr\_r exists

set getnetbyaddr\_r d\_getnetbyaddr\_r

eval \$inlibc

case "\$d\_getnetbyaddr\_r" in

"\$define")

hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_netdb netdb.h"

case "\$d\_getnetbyaddr\_r\_proto:\$usethreads" in

":define") d\_getnetbyaddr\_r\_proto=define

```

set d_getnetbyaddr_r_proto getnetbyaddr_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_getnetbyaddr_r_proto" in
define)
case "$getnetbyaddr_r_proto" in
"|0) try='int getnetbyaddr_r(unsigned long, int, struct netent*, char*, size_t, struct netent**, int*);'
./protochk
"$sextern_C $try" $hdrs && getnetbyaddr_r_proto=I_UISBWRE ;;
esac
case "$getnetbyaddr_r_proto" in
"|0) try='int getnetbyaddr_r(long, int, struct netent*, char*, int);'
./protochk "$sextern_C $try" $hdrs && getnetbyaddr_r_proto=I_LISBI ;;
esac
case "$getnetbyaddr_r_proto" in
"|0) try='struct netent* getnetbyaddr_r(in_addr_t, int, struct netent*, char*, int);'
./protochk "$sextern_C $try" $hdrs && getnetbyaddr_r_proto=S_TISBI ;;
esac
case "$getnetbyaddr_r_proto" in
"|0) try='struct netent* getnetbyaddr_r(long, int, struct netent*, char*, int);'
./protochk "$sextern_C $try" $hdrs && getnetbyaddr_r_proto=S_LISBI ;;
esac
case "$getnetbyaddr_r_proto" in
"|0) try='int getnetbyaddr_r(in_addr_t, int, struct netent*, struct netent_data*);'
./protochk "$sextern_C $try" $hdrs && getnetbyaddr_r_proto=I_TISD ;;
esac
case "$getnetbyaddr_r_proto" in
"|0) try='int getnetbyaddr_r(long, int, struct netent*, struct netent_data*);'
./protochk "$sextern_C $try" $hdrs && getnetbyaddr_r_proto=I_LISD
;;
esac
case "$getnetbyaddr_r_proto" in
"|0) try='int getnetbyaddr_r(int, int, struct netent*, struct netent_data*);'
./protochk "$sextern_C $try" $hdrs && getnetbyaddr_r_proto=I_IISD ;;
esac
case "$getnetbyaddr_r_proto" in
"|0) try='int getnetbyaddr_r(uint32_t, int, struct netent*, char*, size_t, struct netent**, int*);'
./protochk "$sextern_C $try" $hdrs && getnetbyaddr_r_proto=I_uISBWRE ;;
esac
case "$getnetbyaddr_r_proto" in
"|0) d_getnetbyaddr_r=undef
getnetbyaddr_r_proto=0
echo "Disabling getnetbyaddr_r, cannot determine prototype." >&4 ;;
* ) case "$getnetbyaddr_r_proto" in
REENTRANT_PROTO*) ;;
*) getnetbyaddr_r_proto="REENTRANT_PROTO_$getnetbyaddr_r_proto" ;;
esac

```

```

echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "getnetbyaddr_r has no prototype, not using it." >&4 ;;
esac
d_getnetbyaddr_r=undef
getnetbyaddr_r_proto=0
;;
esac
;;
*) getnetbyaddr_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_getnetbyaddr_r.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getpwent\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_getpwent\_r getpwent\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_pwd extern\_C

?MAKE: -pick add \$@ %<

?S:d\_getpwent\_r:

?S: This variable conditionally defines the HAS\_GETPWENT\_R symbol,

?S: which indicates to the C program that the getpwent\_r()

?S: routine is available.

?S:.

?S:getpwent\_r\_proto:

?S: This variable encodes the prototype of getpwent\_r.

?S: It is zero if d\_getpwent\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getpwent\_r

?S: is defined.

?S:.

?C:HAS\_GETPWENT\_R:

?C: This symbol, if defined, indicates that the getpwent\_r routine

?C: is available to

getpwent re-entrantly.

?C:.

?C:GETPWENT\_R\_PROTO:

```

?C: This symbol encodes the prototype of getpwent_r.
?C: It is zero if d_getpwent_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_getpwent_r
?C: is defined.
?C:.
?H:#$d_getpwent_r HAS_GETPWENT_R /**/
?H:#define GETPWENT_R_PROTO $getpwent_r_proto /**/
?H:.
?T:try hdrs d_getpwent_r_proto
: see if getpwent_r exists
set getpwent_r d_getpwent_r
eval $inlibc
case "$d_getpwent_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_pwd pwd.h"
case "$d_getpwent_r_proto:$usetthreads" in
":define") d_getpwent_r_proto=define
set d_getpwent_r_proto getpwent_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_getpwent_r_proto" in
define)
case "$getpwent_r_proto" in
"|0) try='int getpwent_r(struct passwd*, char*, size_t, struct passwd**);'
./protochk "$extern_C $try" $hdrs && getpwent_r_proto=I_SBWR ;;
esac
case "$getpwent_r_proto" in
"|0) try='int getpwent_r(struct passwd*, char*, int, struct passwd**);'
./protochk
"$extern_C $try" $hdrs && getpwent_r_proto=I_SBIR ;;
esac
case "$getpwent_r_proto" in
"|0) try='struct passwd* getpwent_r(struct passwd*, char*, size_t);'
./protochk "$extern_C $try" $hdrs && getpwent_r_proto=S_SBW ;;
esac
case "$getpwent_r_proto" in
"|0) try='struct passwd* getpwent_r(struct passwd*, char*, int);'
./protochk "$extern_C $try" $hdrs && getpwent_r_proto=S_SBI ;;
esac
case "$getpwent_r_proto" in
"|0) try='int getpwent_r(struct passwd*, char*, int);'
./protochk "$extern_C $try" $hdrs && getpwent_r_proto=I_SBI ;;
esac
case "$getpwent_r_proto" in
"|0) try='int getpwent_r(struct passwd*, char*, int, FILE**);'
./protochk "$extern_C $try" $hdrs && getpwent_r_proto=I_SBIH ;;
esac

```

```

case "$getpwent_r_proto" in
"|0) d_getpwent_r=undef
getpwent_r_proto=0
echo "Disabling getpwent_r, cannot determine prototype." >&4 ;;
*) case "$getpwent_r_proto" in
REENTRANT_PROTO*) ;;
*) getpwent_r_proto="REENTRANT_PROTO_$getpwent_r_proto" ;;
esac
echo
"Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "getpwent_r has no prototype, not using it." >&4 ;;
esac
d_getpwent_r=undef
getpwent_r_proto=0
;;
esac
;;
*) getpwent_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_getpwent_r.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_munmap.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_munmap.U,v $
?RCS: Revision 3.0.1.1 1993/12/15 08:19:22 ram
?RCS: patch15: created
?RCS:
?MAKE:d_munmap: Inlibc
?MAKE: -pick add $@ %<
?S:d_munmap:
?S: This variable conditionally defines HAS_MUNMAP if munmap() is
?S: available to unmap a region mapped by mmap().

```

?S:  
?C:HAS\_MUNMAP:  
?C: This symbol, if defined, indicates that the munmap system call is  
?C: available to unmap a region, usually mapped by mmap().

?C:  
?H:#\$d\_munmap HAS\_MUNMAP /\*\*/

?H:  
?LINT:set  
d\_munmap  
: see if munmap exists  
set munmap d\_munmap  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_munmap.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:usemultiplicity: useithreads Myread Oldconfig Setvar

?MAKE: -pick add \$@ %<

?Y:TOP

?S:usemultiplicity:

?S: This variable conditionally defines the MULTIPLICITY symbol,

?S: and indicates that Perl should be built to use multiplicity.

?S:.

?C:MULTIPLICITY:

?C: This symbol, if defined, indicates that Perl should

?C: be built to use multiplicity.

?C:.

?H:?%<:#ifndef MULTIPLICITY

?H:?%<:#\$usemultiplicity MULTIPLICITY /\*\*/

?H:?%<:#endif

?H:.

?LINT:set usemultiplicity

?INIT:: set usemultiplicity on the Configure command line to enable multiplicity.

: Check if multiplicity is required

?X: We should really have some explanatory text here, and some

?X: automatic setting of sensible defaults.

cat <<EOM

Perl

can be built so that multiple Perl interpreters can coexist  
within the same Perl executable.

EOM

```
case "$useithreads" in
```

```
$define)
```

```
cat <<EOM
```

This multiple interpreter support is required for interpreter-based threads.

EOM

```
val="$define"
```

```
::
```

```
*) case "$usemultiplicity" in
```

```
$define|true|[yY]*) dflt='y';;
```

```
*) dflt='n';;
```

```
esac
```

```
echo " "
```

```
echo "If this doesn't make any sense to you, just accept the default '$dflt'."
```

```
rp='Build Perl for multiplicity?'
```

```
./myread
```

```
case "$ans" in
```

```
y|Y) val="$define" ;;
```

```
*) val="$undef" ;;
```

```
esac
```

```
::
```

```
esac
```

```
set usemultiplicity
```

```
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/usemultiplicity.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_shmdt.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_shmdt.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:07:19 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:d_shmdt: Inlibc
```

?MAKE: -pick add \$@ %<  
?S:d\_shmtd:  
?S: This variable conditionally defines the HAS\_SHMMDT symbol, which  
?S: indicates to the C program that the shmtd() routine is available.  
?S:.  
?C:HAS\_SHMMDT:  
?C: This symbol, if defined, indicates that the shmtd() routine is  
?C: available to detach a shared memory segment from the process  
space.  
?C:.  
?H:#\$d\_shmtd HAS\_SHMMDT /\*\*/  
?H:.  
?LINT:set d\_shmtd  
: see if shmtd exists  
set shmtd d\_shmtd  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_shmtd.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_sysstatfs.U,v \$  
?RCS:  
?RCS: Copyright (c) 1999 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:i\_sysstatfs: Inhdr Hasfield  
?MAKE: -pick add \$@ %<  
?S:i\_sysstatfs:  
?S: This variable conditionally defines the I\_SYSSTATFS symbol,  
?S: and indicates whether a C program should include <sys/statfs.h>.  
?S:.  
?C:I\_SYS\_STATFS:  
?C: This symbol, if defined, indicates that <sys/statfs.h> exists.  
?C:.  
?H:#\$i\_sysstatfs I\_SYS\_STATFS /\*\*/  
?H:.  
?LINT:set i\_sysstatfs  
: see if this is a sys/statfs.h system  
set sys/statfs.h i\_sysstatfs  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_sysstatfs.U



No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_dlfcn.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: i_dlfcn.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:21:53 ram
?RCS: patch32: created by ADO
?RCS:
?MAKE:i_dlfcn: Inhdr
?MAKE: -pick add $@ %<
?S:i_dlfcn:
?S: This variable conditionally defines the I_DLFCN symbol, which
?S: indicates to the C program that <dlfcn.h> exists and should
?S: be included.
?S:.
?C:I_DLFCN:
?C: This symbol, if defined, indicates that <dlfcn.h> exists
and should
?C: be included.
?C:.
?H:#$i_dlfcn I_DLFCN /**/
?H:.
?LINT:set i_dlfcn
: see if dlfcn is available
set dlfcn.h i_dlfcn
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_dlfcn.U
```

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```
?RCS: $Id: d_ctime_r.U,v 0RCS:
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?RCS:
```

```

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.
?RCS:
?MAKE:d_ctime_r ctime_r_proto: Inlibc Protochk Hasproto i_systypes \
  usethreads i_time i_systime extern_C
?MAKE: -pick add $@ %<
?S:d_ctime_r:
?S: This variable conditionally defines the HAS_CTIME_R symbol,
?S: which indicates to the C program that the ctime_r()
?S: routine is available.
?S:.
?S:ctime_r_proto:
?S: This variable encodes the prototype of ctime_r.
?S: It is zero if d_ctime_r is undef, and one of the
?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_ctime_r
?S: is defined.
?S:.
?C:HAS_CTIME_R:
?C: This symbol, if defined, indicates that the ctime_r routine
?C: is available to ctime re-entrantly.
?C:.
?C:CTIME_R_PROTO:
?C: This
  symbol encodes the prototype of ctime_r.
?C: It is zero if d_ctime_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_ctime_r
?C: is defined.
?C:.
?H:#$d_ctime_r HAS_CTIME_R /**/
?H:#define CTIME_R_PROTO $ctime_r_proto /**/
?H:.
?T:try hdrs d_ctime_r_proto
: see if ctime_r exists
set ctime_r d_ctime_r
eval $inlibc
case "$d_ctime_r" in
"$define")
  hdrs="$i_systypes sys/types.h define stdio.h $i_time time.h $i_systime sys/time.h"
  case "$d_ctime_r_proto:$usethreads" in
  ":define") d_ctime_r_proto=define
    set d_ctime_r_proto ctime_r $hdrs
    eval $hasproto ;;
  *) ;;
  esac
  case "$d_ctime_r_proto" in
  define)
    case "$ctime_r_proto" in
    "|0) try='char* ctime_r(const time_t*, char*);'
./protochk "$extern_C $try" $hdrs && ctime_r_proto=B_SB ;;

```

```

esac
case "$ctime_r_proto" in
"|0) try='char* ctime_r(const time_t*, char*, int);'
./prochck "$extern_C $try" $hdrs && ctime_r_proto=B_SBI ;;
esac
case "$ctime_r_proto" in
"|0) try='int ctime_r(const
time_t*, char*);'
./prochck "$extern_C $try" $hdrs && ctime_r_proto=I_SB ;;
esac
case "$ctime_r_proto" in
"|0) try='int ctime_r(const time_t*, char*, int);'
./prochck "$extern_C $try" $hdrs && ctime_r_proto=I_SBI ;;
esac
case "$ctime_r_proto" in
"|0) d_ctime_r=undef
ctime_r_proto=0
echo "Disabling ctime_r, cannot determine prototype." >&4 ;;
*) case "$ctime_r_proto" in
REENTRANT_PROTO*) ;;
*) ctime_r_proto="REENTRANT_PROTO_${ctime_r_proto}" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "ctime_r has no prototype, not using it." >&4 ;;
esac
d_ctime_r=undef
ctime_r_proto=0
;;
esac
;;
*) ctime_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_ctime_r.U
```

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?RCS: \$Id: ccflags.U,v 3.0.1.9 1997/02/28 15:27:07 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: ccflags.U,v \$  
?RCS: Revision 3.0.1.9 1997/02/28 15:27:07 ram  
?RCS: patch61: removed support for NO\_PROTOTYPE detection on SCO  
?RCS: patch61: new locincpth variable  
?RCS: patch61: added info on the "additional ld flags" question  
?RCS:  
?RCS: Revision 3.0.1.8 1995/07/25 13:48:54 ram  
?RCS: patch56: re-arranged compile line to include ldflags before objects  
?RCS:  
?RCS: Revision 3.0.1.7 1995/05/12 12:08:33 ram  
?RCS: patch54: now checks for cc/ccflags/ldflags  
coherency  
?RCS:  
?RCS: Revision 3.0.1.6 1994/10/29 16:07:02 ram  
?RCS: patch36: gcc versioning no longer relies on the C compiler's name  
?RCS: patch36: simplified check for gcc version checking (ADO)  
?RCS:  
?RCS: Revision 3.0.1.5 1994/08/29 16:06:35 ram  
?RCS: patch32: propagate -posix flag from ccflags to ldflags  
?RCS:  
?RCS: Revision 3.0.1.4 1994/05/06 14:28:45 ram  
?RCS: patch23: -fpcc-struct-return only needed in gcc 1.x (ADO)  
?RCS: patch23: cppflags now computed on an option-by-option basis  
?RCS: patch23: magically added cc flags now only done the first time  
?RCS:  
?RCS: Revision 3.0.1.3 1993/09/13 15:58:29 ram  
?RCS: patch10: explicitly mention -DDEBUG just in case they need it (WAD)  
?RCS: patch10: removed all the "tans" variable usage (WAD)  
?RCS:  
?RCS: Revision 3.0.1.2 1993/08/27 14:39:38 ram  
?RCS: patch7: added support for OSF/1 machines  
?RCS:  
?RCS: Revision 3.0.1.1 1993/08/25 14:00:24 ram  
?RCS: patch6: added defaults for cppflags, ccflags and ldflags  
?RCS:  
?RCS:  
Revision 3.0 1993/08/18 12:05:31 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:ccflags ldflags lkflags cppflags optimize locincpth: test cat osname \  
Myread Guess Options Oldconfig +gccversion mips\_type +usrinc \  
package contains rm +cc cppstdin cppminus cprun cplast libpth \  
libs loclibpth hint usesocks sh run rm\_try sysroot  
?MAKE: -pick add \$@ %<

?S:ccflags:  
 ?S: This variable contains any additional C compiler flags desired by  
 ?S: the user. It is up to the Makefile to use this.  
 ?S:.

?S:cppflags:  
 ?S: This variable holds the flags that will be passed to the C pre-  
 ?S: processor. It is up to the Makefile to use it.  
 ?S:.

?S:optimize:  
 ?S: This variable contains any optimizer/debugger flag that should be used.  
 ?S: It is up to the Makefile to use it.  
 ?S:.

?S:ldflags:  
 ?S: This variable contains any additional C loader flags desired by  
 ?S: the user. It is up to the Makefile to use this.  
 ?S:.

?S:lkflags:  
 ?S: This variable contains any additional C partial linker flags  
 desired by  
 ?S: the user. It is up to the Makefile to use this.  
 ?S:.

?S:locincpth:  
 ?S: This variable contains a list of additional directories to be  
 ?S: searched by the compiler. The appropriate '-I' directives will  
 ?S: be added to ccflags. This is intended to simplify setting  
 ?S: local directories from the Configure command line.  
 ?S: It's not much, but it parallels the loclibpth stuff in libpth.U.  
 ?S:.

?T:inctest thisincl xxx inclwanted ftry previous thislibdir  
 ?T:EBUGGING DEBUGGING  
 ?T:check flag callback checkccflag  
 ?F:!cpp.c !gcctest !try  
 ?D:cppflags="  
 ?D:ccflags="  
 ?D:ldflags="  
 ?D:optimize="  
 ?LINT:extern \_sysroot  
 ?INIT:: Possible local include directories to search.  
 ?INIT:: Set locincpth to "" in a hint file to defeat local include searches.  
 ?INIT:locincpth="/usr/local/include /opt/local/include /usr/gnu/include"  
 ?INIT:locincpth="\$locincpth /opt/gnu/include /usr/GNU/include /opt/GNU/include"  
 ?INIT::  
 ?INIT:: no include file wanted by default  
 ?INIT:inclwanted="  
 ?INIT:  
 ?INIT::  
 Enable -DEBUGGING and -DDEBUGGING from the command line  
 ?INIT:EBUGGING="

```
?INIT:DEBUGGING="
?INIT:
: determine optimization, if desired, or use for debug flag also
?X: Allow for Configure -Uoptimize -- it's not strictly sensible, but
?X: it has happened and we know what they mean. AD 2/16/98
case "$optimize" in
'|$undef) dflt='none';;
") dflt='-O';;
*) dflt="$optimize";;
esac
$cat <<EOH
```

By default, \$package compiles with the -O flag to use the optimizer. Alternately, you might want to use the symbolic debugger, which uses the -g flag (on traditional Unix systems). Either flag can be specified here. To use neither flag, specify the word "none".

```
EOH
rp="What optimizer/debugger flag should be used?"
./myread
optimize="$ans"
case "$optimize" in
'none') optimize=" ";;
esac
```

```
: Check what DEBUGGING is required from the command line
: -DEBUGGING or -DDEBUGGING or
: -DEBUGGING=both = -g + -DDEBUGGING
: -DEBUGGING=-g or -Doptimize=-g = -g
: -DEBUGGING=none or -UDEBUGGING =
:
: -DEBUGGING=old or -DEBUGGING=default = ? $optimize
case "$EBUGGING" in
") ;;
*) DEBUGGING=$EBUGGING ;;
esac
```

```
case "$DDEBUGGING" in
-g|both|$define)
  case "$optimize" in
  *-g*) ;;
  *) optimize="$optimize -g" ;;
  esac ;;
none|$undef)
  case "$optimize" in
  *-g*) set `echo "X $optimize " | sed 's/ -g / /'`
  shift
  optimize="$*"

```

```

;;
    esac ;;
esac

dflt=""
case "$DEBUGGING" in
both|)$define) dflt='-DDEBUGGING'
esac

: argument order is deliberate, as the flag will start with - which set could
: think is an option
checkccflag='check=$1; flag=$2; callback=$3;
echo " ";
echo "Checking if your compiler accepts $flag" 2>&1;
[ "X$sysroot" != "X" ] && echo "For sysroot = $sysroot";
echo "int main(void) { return 0; }" > gcctest.c;
if $cc $_sysroot -O2 $flag -o gcctest gcctest.c 2>gcctest.out && $run ./gcctest; then
    echo "Yes, it does." 2>&1;
    if $test -s gcctest.out ; then
        echo "But your platform does not like it:";
        cat gcctest.out;
    else
case "$ccflags"
in
*$check*)
    echo "Leaving current flags $ccflags alone." 2>&1
    ;;
*) dflt="$dflt $flag";
    eval $callback
    ;;
esac
fi
else
    echo "Nope, it does not, but that is ok." 2>&1;
fi
,

```

```

: We will not override a previous value, but we might want to
: augment a hint file
case "$hint" in
default|recommended)
case "$gccversion" in
1*) dflt="$dflt -fpcc-struct-return" ;;
esac
case "$optimize:$DEBUGGING" in
*-g*:old) dflt="$dflt -DDEBUGGING";;
esac
?X: check for POSIXized ISC

```

```

case "$gccversion" in
2*) if $test -d /etc/conf/kconfig.d &&
    $contains _POSIX_VERSION $usrinc/sys/unistd.h >/dev/null 2>&1
then
    # Interactive Systems (ISC) POSIX mode.
    dflt="$dflt -posix"
fi
;;
esac

```

?X: If the user has gcc-2.95 or greater, try adding -fno-strict-alias.  
?X: Since the gcc "version" can be non-numeric, e.g.  
?X: "2.95.1 19990809 (prerelease)" , we'll do the test on any version  
?X: greater than 2.8.  
?X: --Andy Dougherty 27 Aug 1999

```

case "$gccversion" in
1*) ;;
2.[0-8]*)
;;
?*) set strict-aliasing -fno-strict-aliasing
    eval $checkccflag
;;
esac

```

?X: HMB 200405

?X: -pipe has shown a compile time speedup of about 40% on Linux and HP-UX

?X: and also worked on cygwin-1.5.9

?X: If a system fails, disable it in the hints. 99% of gcc uses binutils

```

# For gcc, adding -pipe speeds up compilations for some, but apparently
# some assemblers can't read from stdin. (It also slows down compilations
# in other cases, but those are apparently rarer these days.) AD 5/2004.

```

```

case "$gccversion" in
?*) set pipe -pipe
    eval $checkccflag
;;
esac

```

?X: NWC 200712

```

# on x86_64 (at least) we require an extra library (libssp) in the
# link command line. This library is not named, so I infer that it is
# an implementation detail that may change. Hence the safest approach
# is to add the flag to the flags passed to the compiler at link time,
# as that way the compiler can do the right implementation dependant
# thing. (NWC)

```

```

case "$osname" in
amigaos)
;; # -fstack-protector builds but doesn't work
*) case "$gccversion" in
?*) set stack-protector-strong -fstack-protector-strong
    eval $checkccflag

```



```

case "$dflt" in
*-fstack-protector-strong*) ;; # It got added.
*) # Try the plain/older -fstack-protector.
    set stack-protector -fstack-protector
    eval $checkccflag
    ;;
esac
;;
esac
;;
esac
;;
esac

```

?X: In USG mode, a MIPS system may need some BSD includes

```

case "$mips_type" in
*BSD*|*) inclwanted="$locincpth $usrinc";;
*) inclwanted="$locincpth $inclwanted $usrinc/bsd";;
esac
for thisincl in $inclwanted; do
if $test -d $thisincl; then
if $test x$thisincl != x$usrinc; then
    case "$dflt" in
    *" -I$thisincl "*);;
    *) dflt="$dflt -I$thisincl ";;
    esac
fi
fi
done

```

?X: Include test function (header, symbol)

```

inctest='if $contains $2 $usrinc/$1 >/dev/null 2>&1; then
xxx=true;
elif $contains $2 $usrinc/sys/$1 >/dev/null 2>&1; then
xxx=true;
else
xxx=false;
fi;
if $xxx; then
case "$dflt" in
*$2*);;
*)
dflt="$dflt -D$2";;
esac;
fi'

```

```

set signal.h LANGUAGE_C; eval $inctest

```

```

case "$usesocks" in
$define)
ccflags="$ccflags -DSOCKS"
;;
esac

case "$hint" in
default|recommended) dflt="$ccflags $dflt" ;;
*) dflt="$ccflags";;
esac

case "$dflt" in
'|' ') dflt=none;;
esac

$cat <<EOH

```

Your C compiler may want other flags. For this question you should include `-I/whatever` and `-DWHATEVER` flags and any other flags used by the C compiler, but you should NOT include libraries or `ld` flags like `-lwhatever`. If you want `$package` to honor its debug switch, you should include `-DDEBUGGING` here. Your C compiler might also need additional flags, such as `-D_POSIX_SOURCE`.

To use no flags, specify the word "none".

```

EOH
?X: strip leading space
set X $dflt
shift
dflt=${1+"$@"}
rp="Any additional cc flags?"
./myread
case "$ans" in
none) ccflags="";;
*) ccflags="$ans";;
esac

```

: the following weeds options from `ccflags` that are of no interest to `cpp`

```

case "$cppflags" in
") cppflags="$ccflags"
;;
*) set X $ccflags; shift
case " $cppflags " in
*" $1 "*" ;; # Try to avoid doubling the cppflags.
*) cppflags="$cppflags $ccflags" ;;
esac
;;
esac

```

```

case "$gccversion" in
1*) cppflags="$cppflags -D__GNUC__"
esac
case "$mips_type" in
");;
*BSD*) cppflags="$cppflags -DSYSTYPE_BSD43";;
esac
case "$cppflags" in
");;
*)
echo " "
echo "Let me guess what the preprocessor flags are..." >&4
set X $cppflags
shift
cppflags="
$cat >cpp.c <<'EOM'
#define BLURFL foo

BLURFL xx LFRULB
EOM
?X:
?X: For each cc flag, try it out with both cppstdin and cprun, since the
?X: first is almost surely a cc wrapper. We have to try both in case
?X: of cc flags like '-Olimit 2900' that are actually two words...
?X:
previous="
for flag in $*
do
case "$flag" in
-*) ftry="$flag";;
*) ftry="$previous $flag";;
esac
if $cppstdin -DLFRULB=bar $cppflags $ftry $cppminus <cpp.c \
>cpp1.out 2>/dev/null && \
$cprun -DLFRULB=bar $cppflags $ftry $cpplast <cpp.c \
>cpp2.out
2>/dev/null && \
$contains 'foo.*xx.*bar' cpp1.out >/dev/null 2>&1 && \
$contains 'foo.*xx.*bar' cpp2.out >/dev/null 2>&1
then
cppflags="$cppflags $ftry"
previous="
else
previous="$flag"
fi
done
set X $cppflags
shift

```

```

cppflags=${1+"$@"}
case "$cppflags" in
*-* ) echo "They appear to be: $cppflags";;
esac
$rm -f cpp.c cpp?.out
;;
esac

```

: flags used in final linking phase

```

case "$ldflags" in
") if ./venix; then
dflt='-i -z'
else
dflt=""
fi
case "$ccflags" in
*-posix*) dflt="$dflt -posix" ;;
esac
;;
*) dflt="$ldflags";;
esac
# See note above about -fstack-protector
case "$ccflags" in
*-fstack-protector-strong*)
case "$dflt" in
*-fstack-protector-strong*) ;; # Don't add it again
*) dflt="$dflt -fstack-protector-strong" ;;
esac
;;
*-fstack-protector*)
case "$dflt" in
*-fstack-protector*) ;; # Don't add it again
*) dflt="$dflt -fstack-protector" ;;
esac
;;
esac

```

: Try to guess additional flags to pick up local libraries.

```

for thislibdir in $libpth;
do
case " $loclibpth " in
*" $thislibdir ")
case "$dflt " in
*" -L$thislibdir ") ;;
*) dflt="$dflt -L$thislibdir" ;;
esac
;;
esac

```

done

```
case "$dflt" in
") dflt='none' ;;
esac
```

\$cat <<EOH

Your C linker may need flags. For this question you should include -L/whatever and any other flags used by the C linker, but you should NOT include libraries like -lwhatever.

Make sure you include the appropriate -L/path flags if your C linker does not normally search all of the directories you specified above, namely

\$libpth

To use no flags, specify the word "none".

EOH

rp="Any additional ld flags (NOT including libraries)?"

```
./myread
case "$ans" in
none) ldflags=";;
*) ldflags="$ans";;
esac
rmlist="$rmlist pdp11"
```

@if lkflags

: partial linking may need other flags

```
case "$lkflags" in
") case "$ldflags" in
") dflt='none';;
*) dflt="$ldflags";;
esac;;
*) dflt="$lkflags";;
esac
```

esac

echo " "

rp="Partial linking flags to be used (NOT including -r)?"

```
./myread
case "$ans" in
none)
lkflags=";;
*) lkflags="$ans";;
esac
```

@end

?X:

?X: If the user changes compilers after selecting a hint file, it's  
?X: possible that the suggested cflags/ldflags will be wrong. Try to  
?X: compile and run a simple test program. Let the user see all the  
?X: error messages. -- ADO and RAM  
?X: Sometimes, particularly on Linux systems, there is a bad library  
?X: (e.g. a dangling symlink or incompatible library or a "run-time"  
?X: version but not a "development" version of a library). This test  
?X: will catch those sorts of problems too, though how to fix them  
?X: may not be obvious.

?X:

: coherency check

echo " "

echo "Checking your choice of C compiler and flags for coherency..." >&4

\$cat > try.c <<'EOF'

```
#include <stdio.h>
```

```
int main() { printf("Ok\n"); return(0); }
```

EOF

?X: Strip extra blanks in case some of the following variables are empty

```
set X $cc -o try $optimize $cflags $ldflags try.c $libs
```

shift

\$cat >try.msg <<'EOM'

I've tried to compile and run the following simple program:

EOM

\$cat

```
try.c >> try.msg
```

\$cat >> try.msg <<'EOM

I used the command:

\$\*

```
$run ./try
```

and I got the following output:

EOM

dflt=y

?X: Use "sh -c" to avoid error messages tagged with leading "Configure:".

?X: We need to try the resulting executable, because cc might yield a 0 status

?X: even when ld failed, in which case the executable will not run properly,

?X: if its x bit is set at all..

```
if $sh -c "$cc -o try $optimize $cflags $ldflags try.c $libs" >>try.msg 2>&1; then
```

```
if $sh -c "$run ./try " >>try.msg 2>&1; then
```

```
xxx=`$run ./try`
```

```
case "$xxx" in
```

```
"Ok") dflt=n ;;
```

```
*) echo 'The program compiled OK, but produced no output.' >> try.msg ;;
```

```

esac
else
echo "The program compiled OK, but exited with status $?." >>try.msg
rp="You have a problem. Shall I abort Configure"
dflt=y
fi
else
echo "I can't compile the test program." >>try.msg
rp="You have a BIG problem. Shall I abort Configure"
dflt=y
fi
case "$dflt" in
y)
$cat try.msg >&4
?X: using -K will prevent
default aborting--maybe they're cross compiling?
case "$knowitall" in
")
echo "(The supplied flags or libraries might be incorrect.)"
;;
*) dflt=n;;
esac
echo " "
. ./myread
case "$ans" in
n*|N*) ;;
*) echo "Ok. Stopping Configure." >&4
exit 1
;;
esac
;;
n) echo "OK, that should do.";;
esac
$rm_try gcctest gcctest.out

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/ccflags.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

```
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:d__fwalk: Inlibc
?MAKE: -pick add $@ %<
?S:d__fwalk:
?S: This variable conditionally defines HAS__FWALK if _fwalk() is
?S: available to apply a function to all the file handles.
?S:.
?C:HAS__FWALK:
?C: This symbol, if defined, indicates that the _fwalk system call is
?C: available to apply a function to all the file handles.
?C:.
?H:#$d__fwalk HAS__FWALK /**/
?H:.
?LINT:set d__fwalk
: see if _fwalk exists
set fwalk d__fwalk
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d__fwalk.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: rootid.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: rootid.U,v $
?RCS: Revision 3.0.1.1 1995/01/30 14:45:36 ram
?RCS: patch49: now only prints a single empty line when outputting something
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:42 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:rootid: sed
?MAKE: -pick add $@ %<
?S:rootid:
?S: This variable contains the eventual value of the ROOTID symbol,
?S: which is the uid of root.
?S:.
?C:ROOTID:
```



?C: This symbol contains the uid of root, normally

0.

?C:.

?H:#define ROOTID \$rootid /\*\*/

?H:.

: determine root id

```
rootid=`$sed -e "/^root:/{s/^[^:]*:[^:]*:([[:^:]]*).*$"/1/" -e "q" -e "}" -e "d" </etc/passwd`
```

```
case "$rootid" in
```

```
) rootid=0 ;;
```

```
*) echo " "; echo "Root uid = $rootid" >&4 ;;
```

```
esac
```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/rootid.U

No license file was found, but licenses were detected in source scan.

/\*

\* \$Id: scandir.C,v 3.0.1.1 1994/01/24 13:58:45 ram Exp ram \$

\*

\* Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

\*

\* You may redistribute only under the terms of the Artistic Licence,

\* as specified in the README file that comes with the distribution.

\* You may reuse parts of this distribution only within the terms of

\* that same Artistic Licence; a copy of which may be found at the root

\* of the source tree for dist 4.0.

\*

\* \$Log: scandir.C,v \$

\* Revision 3.0.1.1 1994/01/24 13:58:45 ram

\* patch16: created

\*

\*/

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/C/fake/scandir.C

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_unistd.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:  
?RCS: \$Log: i\_unistd.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:08:46 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:i\_unistd: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_unistd:  
?S: This variable conditionally defines the I\_UNISTD symbol, and indicates  
?S: whether a C program should include <unistd.h>.  
?S:.  
?C:I\_UNISTD:  
?C: This symbol, if defined, indicates to the C program that it should  
?C: include <unistd.h>.  
?C:.  
?H:#\$i\_unistd I\_UNISTD /\*\*/  
?H:.  
?LINT:set  
i\_unistd  
: see if this is a unistd.h system  
set unistd.h i\_unistd  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_unistd.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_mkfifo.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: d\_mkfifo.U,v \$  
?RCS: Revision 3.0.1.1 1994/10/29 16:14:17 ram  
?RCS: patch36: created by ADO  
?RCS:  
?RCS:  
?MAKE:d\_mkfifo: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_mkfifo:

?S: This variable conditionally defines the HAS\_MKFIFO symbol, which

?S: indicates to the C program that the mkfifo() routine is available.

?S:.

?C:HAS\_MKFIFO :

?C: This symbol, if defined, indicates that the mkfifo routine is

?C: available to create FIFOs. Otherwise, mknod should be able to

?C: do it for you. However, if mkfifo is there, mknod might require

?C: super-user privileges which mkfifo will not.

?C:.

?H:#\$d\_mkfifo HAS\_MKFIFO /\*\*/

?H:.

?LINT:set d\_mkfifo

: see if mkfifo exists

set mkfifo d\_mkfifo

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_mkfifo.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: sitescript.U,v \$

?RCS:

?RCS: Copyright (c) 1999 Andy Dougherty

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: sitescript.U,v \$

?RCS:

?MAKE:sitescript sitescriptexp installsitescript : Getfile Oldconfig test \

Setprefixvar sitebin siteprefix

?MAKE: -pick add \$@ %<

?Y:TOP

?D:sitescript="

?S:sitescript:

?S: This variable holds the name of the directory in which the user wants

?S: to put add-on publicly executable files for the package in question. It

?S: is most often a local directory such as /usr/local/bin. Programs using

?S: this variable must be prepared to deal with ~name substitution.

?S: The standard

distribution will put nothing in this directory.

?S: After perl has been installed, users may install their own local

?S: scripts in this directory with

?S: MakeMaker Makefile.PL  
 ?S: or equivalent. See INSTALL for details.  
 ?S:.  
 ?D:sitescriptexp="  
 ?S:sitescriptexp:  
 ?S: This is the same as the sitescript variable, but is filename expanded at  
 ?S: configuration time, for use in your makefiles.  
 ?S:.  
 ?D:installsitescript="  
 ?S:installsitescript:  
 ?S: This variable is usually the same as sitescriptexp, unless you are on  
 ?S: a system running AFS, in which case they may differ slightly. You  
 ?S: should always use this variable within your makefiles for portability.  
 ?S:.  
 ?LINT:change prefixvar  
 ?LINT:set installsitescript  
 ?LINT:set sitescript  
 ?LINT:set sitescriptexp  
 : determine where add-on public executable scripts go  
 case "\$sitescript" in  
 ") dflt=\$siteprefix/script  
 \$test -d \$dflt || dflt=\$sitebin ;;  
 \*) dflt="\$sitescript" ;;  
 esac  
 fn=d~+  
 rp='Pathname where add-on public executable scripts  
 should be installed?'  
 ./getfile  
 prefixvar=sitescript  
 ./setprefixvar

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/sitescript.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: lseektype.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:30:10 ram

?RCS: patch32: now uses new Typedef unit to compute type information

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:08 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:lseektype: Myread Typedef

?MAKE: -pick add \$@ %<

?S:lseektype:

?S: This variable defines lseektype to be something like off\_t, long,

?S: or whatever type is used to declare lseek offset's type in the

?S: kernel (which also appears to be lseek's return type).

?S:.

?C:Off\_t

(LSEEKTYPE):

?C: This symbol holds the type used to declare offsets in the kernel.

?C: It can be int, long, off\_t, etc... It may be necessary to include

?C: <sys/types.h> to get any typedef'ed information.

?C:.

?H:#define Off\_t \$lseektype /\* <offset> type \*/

?H:.

: see what type lseek is declared as in the kernel

set off\_t lseektype long stdio.h sys/types.h

eval \$typedef

echo " "

dflt="\$lseektype"

rp="What type is lseek's offset on this system declared as?"

./myread

lseektype="\$ans"

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/lseektype.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: sysman.U,v 3.0.1.2 1994/06/20 07:08:43 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: sysman.U,v \$

?RCS: Revision 3.0.1.2 1994/06/20 07:08:43 ram

?RCS: patch30: now explicitly states that /usr/man/man1 is the default

?RCS: patch30: added /usr/local/man/man1 to the search list

```

?RCS:
?RCS: Revision 3.0.1.1 1993/09/13 16:13:50 ram
?RCS: patch10: added support for /local/man/man1 (WAD)
?RCS: patch10: added temporary syspath variable to cut down on line length
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:55 ram
?RCS: Baseline for dist 3.0 netwide
release.
?RCS:
?MAKE:sysman: test Loc Oldconfig
?MAKE: -pick add $@ %<
?S:sysman:
?S: This variable holds the place where the manual is located on this
?S: system. It is not the place where the user wants to put his manual
?S: pages. Rather it is the place where Configure may look to find manual
?S: for unix commands (section 1 of the manual usually). See mansrc.
?S:.
?T:syspath
: determine where manual pages are on this system
echo " "
case "$sysman" in
")
syspath="/usr/share/man/man1 /usr/man/man1"
syspath="$syspath /usr/man/mann /usr/man/man1 /usr/man/local/man1"
syspath="$syspath /usr/man/u_man/man1"
syspath="$syspath /usr/catman/u_man/man1 /usr/man/l_man/man1"
syspath="$syspath /usr/local/man/u_man/man1 /usr/local/man/l_man/man1"
syspath="$syspath /usr/man/man.L /local/man/man1 /usr/local/man/man1"
sysman=`./loc . /usr/man/man1 $syspath`
;;
esac
if $test -d "$sysman"; then
echo "System manual is in $sysman." >&4
else
echo "Could not find manual pages in source form."
>&4
fi

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/sysman.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_memcpy.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_memcpy.U,v \$  
?RCS: Revision 3.0.1.1 1993/09/13 16:02:58 ram  
?RCS: patch10: removed text recommending bcopy over memcpy (WAD)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:06:34 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_memcpy: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_memcpy:  
?S: This variable conditionally defines the HAS\_MEMCPY symbol, which  
?S: indicates to the C program that the memcpy() routine is available  
?S: to copy blocks of  
memory.  
?S:.  
?C:HAS\_MEMCPY (MEMCPY):  
?C: This symbol, if defined, indicates that the memcpy routine is available  
?C: to copy blocks of memory.  
?C:.  
?H:#\$d\_memcpy HAS\_MEMCPY /\*\*/  
?H:.  
?LINT:set d\_memcpy  
: see if memcpy exists  
set memcpy d\_memcpy  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_memcpy.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: sysman.U,v \$  
?RCS: Revision 3.0.1.2 1994/06/20 07:08:43 ram

```

?RCS: patch30: now explicitly states that /usr/man/man1 is the default
?RCS: patch30: added /usr/local/man/man1 to the search list
?RCS:
?RCS: Revision 3.0.1.1 1993/09/13 16:13:50 ram
?RCS: patch10: added support for /local/man/man1 (WAD)
?RCS: patch10: added temporary syspath variable to cut down on line length
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:55 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:sysman: test
Loc Oldconfig
?MAKE: -pick add $@ %<
?S:sysman:
?S: This variable holds the place where the manual is located on this
?S: system. It is not the place where the user wants to put his manual
?S: pages. Rather it is the place where Configure may look to find manual
?S: for unix commands (section 1 of the manual usually). See mansrc.
?S:.
?T:syspath
: determine where manual pages are on this system
echo " "
case "$sysman" in
")
syspath="/usr/share/man/man1 /usr/man/man1"
syspath="$syspath /usr/man/mann /usr/man/man1 /usr/man/local/man1"
syspath="$syspath /usr/man/u_man/man1 /usr/share/man/man1"
syspath="$syspath /usr/catman/u_man/man1 /usr/man/l_man/man1"
syspath="$syspath /usr/local/man/u_man/man1 /usr/local/man/l_man/man1"
syspath="$syspath /usr/man/man.L /local/man/man1 /usr/local/man/man1"
sysman=`./loc . /usr/man/man1 $syspath`
;;
esac
if $test -d "$sysman"; then
echo "System manual is in $sysman." >&4
else
echo "Could not find manual pages in source form." >&4
fi

Found
in path(s):
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/sysman.U
No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:

```



```
?MAKE:d_lroundl: Inlibc
?MAKE: -pick add $@ %<
?S:d_lroundl:
?S: This variable conditionally defines the HAS_LROUNDL symbol, which
?S: indicates to the C program that the lroundl() routine is available
?S: to return the integral value nearest to x away from zero.
?S:.
?C:HAS_LROUNDL:
?C: This symbol, if defined, indicates that the lroundl routine is
?C: available to return the nearest integral value away from zero of
?C: the long double argument value.
?C:.
?H:#$d_lroundl HAS_LROUNDL /**/
?H:.
?LINT:set d_lroundl
: see if lroundl exists
set lroundl d_lroundl
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_lroundl.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_arpainet.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_arpainet.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:15 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:i_arpainet: Inhdr
?MAKE: -pick add $@ %<
?S:i_arpainet:
?S: This variable conditionally defines the I_ARPA_INET symbol,
?S: and indicates whether a C program should include <arpa/inet.h>.
?S:.
?C:I_ARPA_INET:
?C: This symbol, if defined, indicates to the C program that it should
?C: include <arpa/inet.h> to get inet_addr and friends
```

declarations.

?C:.

?H:#\$i\_arpainet I\_ARPA\_INET /\*\*/

?H:.

?LINT:set i\_arpainet

: see if arpa/inet.h has to be included

set arpa/inet.h i\_arpainet

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_arpainet.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_isinfl: Inlibc

?MAKE:-pick add \$@ %<

?S:d\_isinfl:

?S: This variable conditionally defines the HAS\_ISINFL symbol, which

?S: indicates to the C program that the isinfl() routine is available.

?S:.

?C:HAS\_ISINFL:

?C: This symbol, if defined, indicates that the isinfl routine is

?C: available to check whether a long double is an infinity.

?C:.

?H:#\$d\_isinfl HAS\_ISINFL /\*\*/

?H:.

?LINT:set d\_isinfl

: see if isinfl exists

set isinfl d\_isinfl

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_isinfl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_readdir\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:  
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.  
?RCS:  
?MAKE:d\_readdir\_r readdir\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_dirent extern\_C  
?MAKE: -pick add \$@ %<  
?S:d\_readdir\_r:  
?S: This variable conditionally defines the HAS\_READDIR\_R symbol,  
?S: which indicates to the C program that the readdir\_r()  
?S: routine is available.  
?S:.  
?S:readdir\_r\_proto:  
?S: This variable encodes the prototype of readdir\_r.  
?S: It is zero if d\_readdir\_r is undef, and one of the  
?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_readdir\_r  
?S: is defined.  
?S:.  
?C:HAS\_READDIR\_R:  
?C: This symbol, if defined, indicates that the readdir\_r routine  
?C: is available to readdir re-entrantly.  
?C:.  
?C:READDIR\_R\_PROTO:  
?C: This  
symbol encodes the prototype of readdir\_r.  
?C: It is zero if d\_readdir\_r is undef, and one of the  
?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_readdir\_r  
?C: is defined.  
?C:.  
?H:#\$d\_readdir\_r HAS\_READDIR\_R /\*\*/  
?H:#define READDIR\_R\_PROTO \$readdir\_r\_proto /\*\*/  
?H:.  
?T:try hdrs d\_readdir\_r\_proto  
: see if readdir\_r exists  
set readdir\_r d\_readdir\_r  
eval \$inlibc  
case "\$d\_readdir\_r" in  
"\$define")  
hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_dirent dirent.h"  
case "\$d\_readdir\_r\_proto:\$usethreads" in  
":define") d\_readdir\_r\_proto=define  
set d\_readdir\_r\_proto readdir\_r \$hdrs  
eval \$hasproto ;;  
\*) ;;  
esac  
case "\$d\_readdir\_r\_proto" in  
define)  
case "\$readdir\_r\_proto" in  
"|0) try='int readdir\_r(DIR\*, struct dirent\*, struct dirent\*\*);'

```

./prochck "$extern_C $try" $hdrs && readdir_r_proto=I_TSR ;;
esac
case "$readdir_r_proto" in
"|0) try='int readdir_r(DIR*, struct dirent*);'
./prochck "$extern_C $try" $hdrs && readdir_r_proto=I_TS
;;
esac
case "$readdir_r_proto" in
"|0) d_readdir_r=undef
readdir_r_proto=0
echo "Disabling readdir_r, cannot determine prototype." >&4 ;;
*) case "$readdir_r_proto" in
REENTRANT_PROTO*) ;;
*) readdir_r_proto="REENTRANT_PROTO_$readdir_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "readdir_r has no prototype, not using it." >&4 ;;
esac
d_readdir_r=undef
readdir_r_proto=0
;;
esac
;;
*) readdir_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_readdir_r.U

```

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?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_shmat.U,v \$

?RCS: Revision 3.0.1.3 1995/07/25 14:04:23 ram

?RCS: patch56: use findhdr to find <sys/shm.h>, to get the right one (ADO)

?RCS:  
?RCS: Revision 3.0.1.2 1994/05/13 15:18:56 ram  
?RCS: patch27: added new symbol HAS\_SHMAT\_PROTOTYPE (ADO)  
?RCS:  
?RCS: Revision 3.0.1.1 1994/05/06 14:54:18 ram  
?RCS: patch23: new Shmat\_t symbol to declare return type of shmat()  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:07:18 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_shmat shmattype  
d\_shmatprototype: Inlibc cat +cc +ccflags \  
rm cppstdin cppflags cppminus Findhdr Setvar contains  
?MAKE: -pick add \$@ %<  
?S:d\_shmat:  
?S: This variable conditionally defines the HAS\_SHMAT symbol, which  
?S: indicates to the C program that the shmat() routine is available.  
?S:.  
?S:shmattype:  
?S: This symbol contains the type of pointer returned by shmat().  
?S: It can be 'void \*' or 'char \*'.  
?S:.  
?S:d\_shmatprototype:  
?S: This variable conditionally defines the HAS\_SHMAT\_PROTOTYPE  
?S: symbol, which indicates that sys/shm.h has a prototype for  
?S: shmat.  
?S:.  
?C:HAS\_SHMAT:  
?C: This symbol, if defined, indicates that the shmat() routine is  
?C: available to attach a shared memory segment to the process space.  
?C:.  
?C:Shmat\_t:  
?C: This symbol holds the return type of the shmat() system call.  
?C: Usually set to 'void \*' or 'char \*'.  
?C:.  
?C:HAS\_SHMAT\_PROTOTYPE:  
?C: This symbol, if defined, indicates that the sys/shm.h includes  
?C: a prototype for shmat(). Otherwise, it is up to the program  
to  
?C: guess one. Shmat\_t shmat\_((int, Shmat\_t, int)) is a good guess,  
?C: but not always right so it should be emitted by the program only  
?C: when HAS\_SHMAT\_PROTOTYPE is not defined to avoid conflicting defs.  
?C:.  
?H:#\$d\_shmat HAS\_SHMAT /\*\*/  
?H:#define Shmat\_t \$shmattype /\*\*/  
?H:#\$d\_shmatprototype HAS\_SHMAT\_PROTOTYPE /\*\*/  
?H:.  
?LINT:set d\_shmat d\_shmatprototype

```

?T:xxx
: see if shmat exists
set shmat d_shmat
eval $inlibc
: see what shmat returns
case "$d_shmat" in
"$define")
$cat >shmat.c <<'END'
#include <sys/shm.h>
void *shmat();
END
if $cc $ccflags -c shmat.c >/dev/null 2>&1; then
shmattype='void *'
else
shmattype='char *'
fi
echo "and it returns ($shmattype)." >&4
: see if a prototype for shmat is available
xxx=`./findhdr sys/shm.h`
$cppstdin $cppflags $cppminus < $xxx > shmat.c 2>/dev/null
if $contains 'shmat.*(' shmat.c >/dev/null 2>&1; then
val="$define"
else
val="$undef"
fi
$rm -f shmat.[co]
;;
*)
val="$undef"
;;
esac
set d_shmatprototype
eval $setvar

```

Found

in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_shmat.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: libnm.U 1 2006-08-24 12:32:52Z rmanfredi $

```

```

?RCS:

```

```

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

```

```

?RCS:

```

```

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```

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```

```

?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libnm.U,v $
?RCS: Revision 3.0.1.1 1997/02/28 16:08:26 ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:01 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libnm: test Loc libpth _a
?MAKE: -pick add $@ %<
?S:libnm:
?S: This variable contains the argument to pass to the loader in order
?S: to get the new math library routines. If there is no new math
?S: library, it is null.
?S:.
?T:ans
?O:
    use libswanted='-lnm' instead (see libs.U).
: see if we should include -lnm
echo " "
if $test -r /usr/lib/libnm$_a || $test -r /usr/local/lib/libnm$_a ; then
    echo "New math library found." >&4
    libnm='-lnm'
else
    ans=`./loc libnm$_a x $libpth`
    case "$ans" in
    x)
        echo "No nm library found--the normal math library will have to do." >&4
        libnm=""
        ;;
    *)
        echo "New math library found in $ans." >&4
        libnm="$ans"
        ;;
    esac
fi

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/libnm.U
```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: i_syssock.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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```

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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: i\_syssock.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:08:36 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:i\_syssock: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_syssock:  
?S: This variable conditionally defines the I\_SYS\_SOCKET symbol, and indicates  
?S: whether a C program should include <sys/socket.h> before performing socket  
?S: operations.  
?S:.  
?C:I\_SYS\_SOCKET:  
?C: This symbol, if defined, indicates to the C program that it should  
?C: include  
    <sys/socket.h> before performing socket calls.  
?C:.  
?H:#\$i\_syssock I\_SYS\_SOCKET /\*\*/  
?H:.  
?LINT:set i\_syssock  
: see if this is a sys/socket.h system  
set sys/socket.h i\_syssock  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_syssock.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: randfunc.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:09:39 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:



?X: This is the new unit that should be used when random  
?X: functions are to be used. It thus makes randbits.U obsolete.  
?X:  
?MAKE:randfunc mrand seedfunc nrandbits: cat +cc rm test Myread Csym  
?MAKE: -pick add \$@ %<  
?S:randfunc:  
?S: Indicates the name of the random number function to use.  
?S: Values include drand48, random, and rand. In C programs,  
?S: the 'nrand' macro is defined  
to generate uniformly distributed  
?S: random numbers over the range [0., 1.] (see mrand and nrand).  
?S:.  
?S:mrand:  
?S: Indicates the macro to be used to generate normalized  
?S: random numbers. Uses randfunc, often divided by  
?S: (double) ((1 << nrandbits) -1) in order to normalize the result.  
?S: In C programs, the macro 'nrand' is mapped on mrand.  
?S:.  
?S:seedfunc:  
?S: Indicates the random number generating seed function.  
?S: Values include srand48, srandom, and srand.  
?S:.  
?S:nrandbits:  
?S: Indicates how many bits are produced by the function used to  
?S: generate normalized random numbers.  
?S:.  
?C:nrand:  
?C: This macro is to be used to generate uniformly distributed  
?C: random numbers over the range [0., 1].  
?C:.  
?C:seednrand:  
?C: This symbol defines the macro to be used in seeding the  
?C: random number generator (see nrand).  
?C:.  
?H:#define nrand() \$mrand /\*\*/  
?H:#define seednrand(x) \$seedfunc(x) /\*\*/  
?H:.  
?T:cont val  
?LINT:nothere \$nrandbits)  
: How can we generate normalized  
random numbers ?  
echo " "  
case "\$randfunc" in  
")  
if set drand48 val -f; eval \$csym; \$val; then  
dflt="drand48"  
echo "Good, found drand48()." >&4  
elif set random val -f; eval \$csym; \$val; then

```

dflt="random"
echo "OK, found random()." >&4
else
dflt="rand"
echo "Yick, looks like I have to use rand()." >&4
fi
echo " "
;;
*)
dflt="$randfunc"
;;
esac
cont=true
while $test "$cont"; do
rp="Use which function to generate random numbers?"
./myread
?X: Invalidates nrandbits if the answer is not the default so
?X: that the value stored in config.sh will not be used when
?X: we change our random function.
if $test "$sans" = "$dflt"; then
: null
else
nrandbits="
fi
randfunc="$sans"
if set $sans val -f; eval $csym; $val; then
cont="
else
dflt=n
rp="Function $sans does not exists. Use that name anyway?"
./myread
dflt=rand
case "$sans" in
[yY]*) cont=";;
esac
fi
case "$cont" in
")
case "$randfunc" in
drand48)
mrand="drand48()"
seedfunc="srand48"
;;
rand*)
case
"$nrandbits" in
")
echo "Checking to see how many bits your $randfunc() function produces..." >&4

```

```

$cat >try.c <<EOCP
#include <stdio.h>
int main()
{
register int i;
register unsigned long tmp;
register unsigned long max = 0L;
extern long random();

for (i = 1000; i; i--) {
tmp = (unsigned long)$randfunc();
if (tmp > max) max = tmp;
}
for (i = 0; max; i++)
max /= 2;
printf("%d\n",i);
}
EOCP
if $cc -o try try.c >/dev/null 2>&1 ; then
dflt=`try`
else
dflt=?
echo "(I can't seem to compile the test program...)"
fi
;;
*)
dflt="$nrandbits"
;;
esac
rp="How many bits does your $randfunc() function produce?"
./myread
nrandbits="$ans"
$rm -f try.c try
mrand="($randfunc() / (double) ((1 << $nrandbits) - 1))"
seedfunc="srand"
;;
?X: The following is provided just in case...
*)
dflt="31"
rp="How many bits does your $randfunc() function produce?"
./myread
nrandbits="$ans"
seedfunc="s$randfunc"
mrand="($randfunc()
/ (double) ((1 << $nrandbits) - 1))"
if set $seedfunc val -f; eval $csym; $val; then
echo "(Using $seedfunc() to seed random generator)"
else

```

```

    echo "(Warning: no $seedfunc() to seed random generator)"
    seedfunc=rand
fi
;;
esac
;;
esac
done

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/randfunc.U

```

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?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?X: This unit generates a \$hasfield string that is used internally

?X: by Configure to check if this system has a field for a

?X: particular struct (of if this system has a particular struct!)

?X:

?X: To use it, say something like:

?X: set d\_statblocks stat st\_blocks i\_sysstat sys/stat.h

?X: eval \$hasfield

?X: Or, for more complicated sets of headers, do something like

?X: hdrs="\$define sys/foo.h

?X: \$i\_sysbar sys/bar.h

?X: \$i\_syszot sys/zot.h

?X: \$i\_zappa zappa.h"

?X: set d\_statblocks stat st\_blocks \$hdrs

?X: eval \$hasfield

?X:

?MAKE:Hasfield: Setvar rm\_try test Compile

?MAKE: -pick add \$@ %<

?T:varname struct field

?V:hasfield

: Define hasfield macro for Configure internal use

```
hasfield='varname=$1;
```

```
struct=$2; field=$3; shift; shift; shift;
```

```
while $test $# -ge 2; do
```

```
case "$1" in
```

```
$define) echo "#include <$2>";;
```

```
esac ;
```

```
shift 2;
```

```

done > try.c;
echo "int main () { struct $struct foo; char* bar; bar = (char*)foo.$field; }" >> try.c;
set try;
if eval $compile; then
  val="$define";
else
  val="$undef";
fi;
set $varname;
eval $setvar;
$rm_try'

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/Hasfield.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: html1dir.U,v \$

?RCS:

?RCS: Copyright (c) 1999 Andy Dougherty

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: html1dir.U,v \$

?RCS:

?MAKE:html1dir html1direxp installhtml1dir: cat Loc Myread \

package test Getfile Setprefixvar Prefixit Prefixup

?MAKE: -pick add \$@ %<

?Y:TOP

?D:html1dir="

?S:html1dir:

?S: This variable contains the name of the directory in which html

?S: source pages are to be put. This directory is for pages

?S: that describe whole programs, not libraries or modules. It

?S: is intended to correspond roughly to section 1 of the Unix

?S: manuals.

?S:.

?D:html1direxp="

?S:html1direxp:

?S: This

variable is the same as the html1dir variable, but is filename

?S: expanded at configuration time, for convenient use in makefiles.

?S:.

?D:installhtml1dir="

```
?S:installhtml1dir:
?S: This variable is really the same as html1direxp, unless you are
?S: using a different installprefix. For extra portability, you
?S: should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set html1direxp
?LINT:set installhtml1dir
: determine where html pages for programs go
set html1dir html1dir none
eval $prefixit
$cat <<EOM
```

If you wish to install html files for programs in \$spackage, indicate the appropriate directory here. To skip installing html files, answer "none".

```
EOM
case "$html1dir" in
|"none|$undef|' ') dflt=none ;;
*) dflt=$html1dir ;;
esac
fn=dn+~
rp="Directory for the main $spackage html pages?"
./getfile
prefixvar=html1dir
./setprefixvar
: Use ' ' for none so value is preserved next time through Configure
$test X"$html1dir" = "X" && html1dir=' '
```

```
Found
in path(s):
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/html1dir.U
No license file was found, but licenses were detected in source scan.
```

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2014, H.Merijn Brand
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_dladdr.U,v $
?RCS:
?MAKE:d_dladdr: Inlibc
```

?MAKE: -pick add \$@ %<  
?S:d\_dladdr:  
?S: This variable conditionally defines the HAS\_DLADDR symbol, which  
?S: indicates to the C program that the dladdr() routine is available  
?S: to get a stack trace.  
?S:.  
?C:HAS\_DLADDR:  
?C: This symbol, if defined, indicates that the dladdr() routine is  
?C: available to query dynamic linker information for an address.  
?C: The <dlfcn.h> header must be included to use this routine.  
?C:.  
?H:#\$d\_dladdr HAS\_DLADDR /\*\*/  
?H:.  
?LINT:set d\_dladdr  
:  
  see if dladdr exists  
  set dladdr d\_dladdr  
  eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_dladdr.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1996, Andy Dougherty  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: Unix.U,v \$  
?RCS: Revision 3.0.1.1 1997/02/28 15:20:06 ram  
?RCS: patch61: created  
?RCS:  
?X:  
?X: The purpose of this unit is to define things that are common across all  
?X: known UNIX platforms. If Configure is ported/used on a non-UNIX  
?X: environment, then some of the following variables can be redefined in hint  
?X: files.  
?X:  
?MAKE:Unix \_a \_o firstmakefile archobjs: Oldconfig  
?MAKE: -pick add \$@ %<  
?S:\_a (lib\_ext):

?S: This variable defines the extension

used for ordinary libraries.

?S: For unix, it is '.a'. The '.' is included. Other possible

?S: values include '.lib'.

?S:.

?S: \_o (obj\_ext):

?S: This variable defines the extension used for object files.

?S: For unix, it is '.o'. The '.' is included. Other possible

?S: values include '.obj'.

?S:.

?S: firstmakefile:

?S: This variable defines the first file searched by make. On unix,

?S: it is makefile (then Makefile). On case-insensitive systems,

?S: it might be something else. This is only used to deal with

?S: convoluted make depend tricks.

?S:.

?S: archobjs:

?S: This variable defines any additional objects that must be linked

?S: in with the program on this architecture. On unix, it is usually

?S: empty. It is typically used to include emulations of unix calls

?S: or other facilities. For perl on OS/2, for example, this would

?S: include os2/os2.obj.

?S:.

?INIT:: Extra object files, if any, needed on this platform.

?INIT:archobjs="

: Define several unixisms.

: Hints files

or command line option can be used to override them.

case "\$\_a" in

) \_a='.a';;

esac

case "\$\_o" in

) \_o='.o';;

esac

@if firstmakefile

: Which makefile gets called first. This is used by make depend.

case "\$firstmakefile" in

) firstmakefile='makefile';;

esac

@end

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Unix.U

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```

?RCS: $Id: d_setregid.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_setregid.U,v $
?RCS: Revision 3.0 1993/08/18 12:07:12 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_setregid d_setresgid: Inlibc
?MAKE: -pick add $@ %<
?S:d_setregid:
?S: This variable conditionally defines HAS_SETREGID if setregid() is
?S: available to change the real and effective gid of the current
?S: process.
?S:.
?S:d_setresgid:
?S: This variable conditionally defines HAS_SETRESGID if setresgid() is
?S: available to change
?S: the real, effective and saved gid of the current
?S: process.
?S:.
?C:HAS_SETREGID (SETREGID):
?C: This symbol, if defined, indicates that the setregid routine is
?C: available to change the real and effective gid of the current
?C: process.
?C:.
?C:HAS_SETRESGID (SETRESGID):
?C: This symbol, if defined, indicates that the setresgid routine is
?C: available to change the real, effective and saved gid of the current
?C: process.
?C:.
?H:#$d_setregid HAS_SETREGID /**/
?H:#$d_setresgid HAS_SETRESGID /**/
?H:.
?LINT: set d_setregid d_setresgid
: see if setregid exists
set setregid d_setregid
eval $inlibc
set setresgid d_setresgid
eval $inlibc

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setregid.U

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?RCS:

?MAKE:d\_llrint: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_llrint:

?S: This variable conditionally defines the HAS\_LLRLINT symbol, which

?S: indicates to the C program that the llrint() routine is available

?S: to return the long long value closest to a double (according

?S: to the current rounding mode).

?S:.

?C:HAS\_LLRLINT:

?C: This symbol, if defined, indicates that the llrint routine is

?C: available to return the long long value closest to a double

?C: (according to the current rounding mode).

?C:.

?H:#\$d\_llrint HAS\_LLRLINT /\*\*/

?H:.

?LINT:set d\_llrint

: see if llrint exists

set llrint d\_llrint

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_llrint.U

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?RCS: \$Id: Prefixit.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS:

?RCS: \$Log: Prefixit.U,v \$

?RCS: Revision 3.0.1.1 1995/01/30 14:29:22 ram

?RCS: patch49: created

?RCS:

?X:

?X: Used as: "set dflt var dir; eval \$prefixit" to set \$dflt to be

?X: \$prefix/dir by default, or the previous \$var depending on certain  
?X: conditions:  
?X: - If the \$oldprefix variable is empty, then \$prefix holds the same  
?X: value as on previous runs. Therefore, reuse \$var if set, otherwise  
?X: set \$dflt to \$prefix/dir.  
?X: - If \$oldprefix is not  
empty, then set \$dflt to \$prefix/dir if \$var  
?X: is empty (first run). Otherwise, if \$var is \$oldprefix/dir, then  
?X: change it to \$prefix/dir. If none of the above, reuse the old \$var.  
?X:  
?X: When dir is omitted, the dflt variable is set to \$var if prefix did not  
?X: change, to an empty value otherwise. If dir=none, then a single space  
?X: in var is kept as-is, even if the prefix changes.  
?X:  
?MAKE:Prefixit: prefix oldprefix  
?MAKE: -pick add \$@ %<  
?LINT:define prefixit  
?S:prefixit:  
?S: This shell variable is used internally by Configure to reset  
?S: the leading installation prefix correctly when it is changed.  
?S: set dflt var [dir]  
?S: eval \$prefixit  
?S: That will set \$dflt to \$var or \$prefix/dir depending on the  
?S: value of \$var and \$oldprefix.  
?S:.  
?V:prefixit  
?T:tp  
: set the prefixit variable, to compute a suitable default value  
prefixit='case "\$3" in  
""|none)  
case "\$oldprefix" in  
"") eval "\$1=\\"\$2\"";;  
\*)  
case "\$3" in  
"") eval "\$1=";;  
none)  
eval "tp=\\"\$2\"";  
case  
"\$tp" in  
""|" ") eval "\$1=\\"\$2\"";;  
\*) eval "\$1=";;  
esac;;  
esac;;  
esac;;  
\*)  
eval "tp=\\"\$oldprefix-\\"\$2-\\""; eval "tp=\\"\$tp\"";  
case "\$tp" in  
--/\*--|\~\*--) eval "\$1=\\"\$prefix/\$3\"";;

```
/*-$oldprefix/*|\~*-$oldprefix/*)
eval "$1=\`echo \$$2 | sed \`s,^$oldprefix,$prefix,\`\`;
*) eval "$1=\`$\$2\`\`;
esac;;
esac'
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Prefixit.U
```

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?RCS:

?MAKE:d\_strtold\_l: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_strtold\_l:

?S: This variable conditionally defines the HAS\_STRTOLD\_L symbol, which

?S: indicates to the C program that the strtold\_l() routine is available.

?S:.

?C:HAS\_STRTOLD\_L:

?C: This symbol, if defined, indicates that the strtold\_l routine is

?C: available to convert strings to long doubles.

?C:.

?H:#\$d\_strtold\_l HAS\_STRTOLD\_L /\*\*/

?H:.

?LINT:set d\_strtold\_l

: see if strtold\_l exists

set strtold\_l d\_strtold\_l

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_strtold_l.U
```

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?RCS:

?MAKE:d\_fpclassify d\_fp\_classify: Inlibc cat Compile rm\_try Setvar

?MAKE: -pick add \$@ %<

?X:the short story is that C99 says use fpclassify. But the story is confused

?X:by systems "partially C99" (or fully "pre C99") which either use fpclassify  
?X:but with different return values, or they use fp\_classify (with the expected)  
?X:return values, or they use some other spelling of \*fp\*class\* (sometimes even  
?X:without the \*fp\* part), with yet another set(s) of return values ...

?S:d\_fpclassify:

?S: This variable conditionally defines the HAS\_FPCLASSIFY symbol, which

?S: indicates to the C program that the fpclassify() routine is available.

?S:.

?S:d\_fp\_classify:

?S: This variable conditionally defines the HAS\_FP\_CLASSIFY

symbol, which

?S: indicates to the C program that the fp\_classify() routine is available.

?S:.

?C:HAS\_FPCLASSIFY:

?C: This symbol, if defined, indicates that the fpclassify routine is

?C: available to classify doubles. Available for example in HP-UX.

?C: The returned values are defined in <math.h> and are

?C:

?C: FP\_NORMAL Normalized

?C: FP\_ZERO Zero

?C: FP\_INFINITE Infinity

?C: FP\_SUBNORMAL Denormalized

?C: FP\_NAN NaN

?C:

?C:.

?C:HAS\_FP\_CLASSIFY:

?C: This symbol, if defined, indicates that the fp\_classify routine is

?C: available to classify doubles. The values are defined in <math.h>

?C:

?C: FP\_NORMAL Normalized

?C: FP\_ZERO Zero

?C: FP\_INFINITE Infinity

?C: FP\_SUBNORMAL Denormalized

?C: FP\_NAN NaN

?C:

?C:.

?H:#\$d\_fpclassify HAS\_FPCLASSIFY /\*\*/

?H:#\$d\_fp\_classify HAS\_FP\_CLASSIFY /\*\*/

?H:.

?LINT:set d\_fpclassify

?LINT:set d\_fp\_classify

: check for fpclassify

?X:classified (Comment by jhi)

?X:fpclassify i\_math

?X:fp\_classify i\_math

?X:fpclass i\_math

i\_ieeefp i\_fp

?X:fp\_class i\_math i\_fp\_class

```

?X: No i_fp_class yet. But the systems that have
?X: this (Tru64 and IRIX) both had <fp_class.h>
?X:class i_math
echo "Checking to see if you have fpclassify..." >&4
$cat >try.c <<EOCP
#include <math.h>
int main() { return fpclassify(1.0) == FP_NORMAL ? 0 : 1; }
EOCP
set try
if eval $compile; then
  val="$define"
  echo "You have fpclassify."
else
  val="$undef"
  echo "You do not have fpclassify."
fi
$rm_try
set d_fpclassify
eval $setvar

```

```

: see if fp_classify exists
set fp_classify d_fp_classify
eval $inlibc

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/d_fpclassify.U

```

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?RCS:

?MAKE:d\_exp2: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_exp2:

?S: This variable conditionally defines the HAS\_EXP2 symbol, which

?S: indicates to the C program that the exp2() routine is available.

?S:.

?C:HAS\_EXP2:

?C: This symbol, if defined, indicates that the exp2 routine is

?C: available to do the 2\*\*x function.

?C:.

?H:#\$d\_exp2 HAS\_EXP2 /\*\*/

?H:.

?LINT:set d\_exp2

: see if exp2 exists

set exp2 d\_exp2

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_exp2.U

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?RCS: \$Id: install.U 1 2006-08-24 12:32:52Z rmanfredi \$

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?RCS:

?RCS: \$Log: install.U,v \$

?RCS: Revision 3.0.1.2 1995/09/25 09:16:37 ram

?RCS: patch59: all possible install programs are now looked for

?RCS:

?RCS: Revision 3.0.1.1 1995/01/11 15:30:41 ram

?RCS: patch45: created

?RCS:

?MAKE:install installdir: Loc Oldconfig Getfile cat test startsh rm +cc \  
eunicefix package contains mkdir echo n c

?MAKE: -pick add \$@ %<

?S:install:

?S: This variable contains the name of an install program that can accept

?S: BSD-style arguments.

It must correctly support -c, -s, and -m at least.

?S: It is a fully qualified pathname when found. If you have a local

?S: install.SH file at the root directory of your package, it is assumed to

?S: be the default script emulating a BSD install and the variable will be

?S: set to ./install. Otherwise, it is set to plain 'install', relying on

?S: the user's PATH to perform miracles.

?S:.

?S:installdir:

?S: This variable contains the name of a program that can install nested

?S: directories. Often set to 'mkdir -p', it can also be 'install -d' if

?S: you have such a beast and lack the former. If you have an install.SH

?S: file at the root directory of your package, it will be used in last

?S: resort, setting the variable to './install -d'. Otherwise, it is set to

?S: plain 'mkdir', and cross your fingers!

?S:.

?T:dir file tryit prog creatdir either

?F:!tryinst

: locate a BSD compatible install program

echo " "

```

echo "Looking for a BSD-compatible install program..." >&4
@if installdir
creatdir="
@end
case
"$install" in
")
tryit="
for dir in $pth; do
for file in ginstall installbsd scoinst install; do
if $test -f $dir/$file; then
tryit="$stryit $dir/$file"
fi
done
done
$cat >try.c <<EOC
int main()
{
printf("OK\n");
exit(0);
}
EOC
if $cc -o try try.c >/dev/null 2>&1; then
cp try try.ns
strip try >/dev/null 2>&1
else
echo "(I can't seem to compile a trivial C program -- bypassing.)"
echo "try" >try
cp try try.ns
fi
$cat >tryinst <<EOS
$startsh
$rm -rf foo d
@if installdir
\ $1 -d foo/bar
@end
$mkdir d
\ $1 -c -m 764 try.ns d
\ $1 -c -s -m 642 try.ns d/try
EOS
chmod +x tryinst
$unicefix tryinst
dflt="
either="
for prog in $stryit; do
$echo $n "Checking $prog... $c"
./tryinst $prog >/dev/null 2>&1
@endif installdir

```



```

if $test -d foo/bar; then
  creatdir="$prog -d"
fi
@end
(ls -l d/try >try.ls; ls -l d/try.ns >tryno.ls) 2>/dev/null
if (cmp -s d/try try && cmp -s d/try.ns try.ns && \
  $contains 'rwxrw-r--' tryno.ls && \
  \
  $contains 'rw-r---w-' try.ls) >/dev/null 2>&1
then
  dflt="$prog"
  echo "ok, that will do."
  break
fi
echo "not good$either."
either=' either'
$rm -f try*.ls
done
$rm -rf foo d tryinst try try*.ls try.*
case "$dflt" in
  *)
@if {test -f ../install.SH}
  echo "Hopefully, $package comes with its own install script!"
  dflt='./install'
@else
  dflt='install'
@end
  ;;
esac
  ;;
*) dflt="$install";;
esac
$cat <<EOM

```

I will be requiring a BSD-compatible install program (one that allows options like -s to strip executables or -m to specify a file mode) to install \$package.

If the question below contains a fully qualified default path, then it is probably ok. If it is an unqualified name such as 'install', then it means I was unable to find out a good install program I could use. If

```
@if {test -f ../install.SH}
```

you know of one, please tell me about it. If the default is './install', then I shall be using the install script supplied with \$package.

```
@else
```

you know of one,

please tell me about it.

```
@end
```

```

EOM
@if { test -f ../install.SH }
fn='/fe~(install,./install)'
@else
fn='/fe~(install)'
@end
rp='Which install program shall I use?'
./getfile
install="$ans"

@if installdir
: how can we create nested directories?
echo " "
echo "Ok, let's see how we can create nested directories..." >&4
case "$installdir" in
")
?X: First time, maybe we already found out a working one in $creatdir above...
?X: Prefer "mkdir -p" because of bugs in GNU install when not running as root
$mkdir -p foo/bar >/dev/null 2>&1
if $test -d foo/bar; then
echo "Great, we can build them using 'mkdir -p'."
creatdir='mkdir -p'
else
case "$creatdir" in
")
if eval "$install -d foo/bar"; $test -d foo/bar; then
creatdir="install -d"
echo "It looks like '$creatdir' will do it for us."
fi
;;
*)
eval "$creatdir foo/bar" >/dev/null 2>&1
if $test -d foo/bar; then
echo "Ah! We can use '$creatdir' to do just that."
else
creatdir="
fi
;;
esac
fi
$rm
-rf foo
case "$creatdir" in
")
echo "Heck! Another ancient system lacking the comfort of modern ones!"
@if { test -f ../install.SH }
echo "You can thank $package for bringing you its own install script!"

```

```

installdir='./install -d'
@else
echo "We have no choice but to use plain old 'mkdir' -- wish me luck!"
installdir=mkdir
@end
;;
*) installdir="$Screatdir";;
esac
;;
*) echo "As you already told me, '$installdir' should work.";;
esac

@end

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/install.U
```

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?RCS:

?MAKE:d\_socks5\_init: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_socks5\_init:

?S: This variable conditionally defines the HAS\_SOCKS5\_INIT symbol, which

?S: indicates to the C program that the socks5\_init() routine is available.

?S:.

?C:HAS\_SOCKS5\_INIT:

?C: This symbol, if defined, indicates that the socks5\_init routine is

?C: available to initialize SOCKS 5.

?C:.

?H:#\$d\_socks5\_init HAS\_SOCKS5\_INIT /\*\*/

?H:.

?LINT:set d\_socks5\_init

: see if socks5\_init exists

set socks5\_init d\_socks5\_init

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_socks5_init.U
```

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?RCS: \$Id\$  
?RCS:  
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?RCS:  
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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: sitearch.U,v \$  
?RCS: Revision 3.0.1.1 1997/02/28 16:21:30 ram  
?RCS: patch61: created  
?RCS:  
?MAKE:sitearch sitearchexp installsitearch: afs cat Getfile \  
Oldconfig Prefixit prefix test archname sitelib  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?S:sitearch:  
?S: This variable contains the eventual value of the SITEARCH symbol,  
?S: which is the name of the private library for this package. It may  
?S: have a ~ on the front. It is up to the makefile to eventually create  
?S: this  
directory while performing installation (with ~ substitution).  
?S:.  
?S:sitearchexp:  
?S: This variable is the ~name expanded version of sitearch, so that you  
?S: may use it directly in Makefiles or shell scripts.  
?S:.  
?S:installsitearch:  
?S: This variable is really the same as sitearchexp but may differ on  
?S: those systems using AFS. For extra portability, only this variable  
?S: should be used in makefiles.  
?S:.  
?C:SITEARCH:  
?C: This symbol contains the name of the private library for this package.  
?C: The library is private in the sense that it needn't be in anyone's  
?C: execution path, but it should be accessible by the world. The program  
?C: should be prepared to do ~ expansion.  
?C: The standard distribution will put nothing in this directory.  
?C: Individual sites may place their own extensions and modules in  
?C: this directory.  
?C:.  
?C:SITEARCH\_EXP:  
?C: This symbol contains the ~name expanded version of SITEARCH, to be used  
?C: in programs that are not prepared to deal

with ~ expansion at run-time.

```
?C:.
?H:#define SITEARCH "$sitearch" /**/
?H:#define SITEARCH_EXP "$sitearchexp" /**/
?H:.
?T:xxx
: determine where site specific architecture-dependent libraries go.
xxx=`echo $sitelib/$sarchname | sed 's!^$prefix!!`
: xxx is usually lib/site_perl/archname.
set sitearch sitearch none
eval $prefixit
case "$sitearch" in
") dflt="$sitelib/$sarchname" ;;
*) dflt="$sitearch" ;;
esac
$cat <<EOM
```

The installation process will also create a directory for architecture-dependent site-specific extensions and modules.

```
EOM
fn=nd~+
rp='Pathname for the site-specific architecture-dependent library files?'
./getfile
if $test "X$sitearchexp" != "X$sansexp"; then
installsitearch="
fi
sitearch="$sans"
sitearchexp="$sansexp"
if $afs; then
$cat <<EOM
```

Since you are running AFS, I need to distinguish the directory in which private files reside from the directory in which they are installed (and from which they are presumably copied to the former directory by occult means).

```
EOM
case
"$installsitearch" in
") dflt=`echo $sitearchexp | sed 's#^/afs/#afs/.#` ;;
*) dflt="$installsitearch";;
esac
fn=de~
rp='Where will private files be installed?'
./getfile
installsitearch="$sans"
else
installsitearch="$sitearchexp"
```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/sitearch.U

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_portable.U,v \$

?RCS: Revision 3.0.1.2 1995/01/11 15:28:52 ram

?RCS: patch45: executable path stripping moved to the end in Config\_sh.U

?RCS:

?RCS: Revision 3.0.1.1 1993/12/15 08:21:17 ram

?RCS: patch15: did not strip variables properly when needed

?RCS: patch15: now also strips down variables from trylist

?RCS:

?RCS: Revision 3.0 1993/08/18 12:06:48 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: The Loc unit is wanted to get the definition of all the locating variables.

?X:

?MAKE:d\_portable:

cat Loc Myread Oldconfig

?MAKE: -pick add \$@ %<

?S:d\_portable:

?S: This variable conditionally defines the PORTABLE symbol, which

?S: indicates to the C program that it should not assume that it is

?S: running on the machine it was compiled on.

?S:.

?C:PORTABLE:

?C: This symbol, if defined, indicates to the C program that it should

?C: not assume that it is running on the machine it was compiled on.

?C: The program should be prepared to look up the host name, translate

?C: generic filenames, use PATH, etc.

?C:.

?H:#\$d\_portable PORTABLE /\*\*/

?H:.

?D:d\_portable="

```

: decide how portable to be
case "$d_portable" in
"$define") dflt=y;;
*) dflt=n;;
esac
$cat <<'EOH'

```

I can set things up so that your shell scripts and binaries are more portable, at what may be a noticable cost in performance. In particular, if you ask to be portable, the following happens:

- 1) Shell scripts will rely on the PATH variable rather than using the paths derived above.
- 2) ~username interpretations will be done at run time rather than by Configure.
- @if PHOSTNAME
  - 3) The system name will be determined at run time, if at all possible.
- @end

```

EOH
rp="Do you expect to run these scripts and binaries on multiple machines?"
./myread
case "$ans" in
y*) d_portable="$define"
?X:
?X: Paths will be stripped down (/usr/bin/vi -> vi) in Config_sh.U if needed.
?X:
;;
*) d_portable="$undef" ;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_portable.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_strcoll.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

```

```
?RCS:
?RCS: $Log: d_strcoll.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:12:01 ram
?RCS: patch32: created by ADO
?RCS:
?MAKE:d_strcoll: Inlibc
?MAKE: -pick add $@ %<
?S:d_strcoll:
?S: This variable conditionally defines HAS_STRCOLL if strcoll() is
?S: available to compare strings using collating information.
?S:.
?C:HAS_STRCOLL:
?C: This symbol, if defined, indicates that the strcoll routine
is
?C: available to compare strings using collating information.
?C:.
?H:#$d_strcoll HAS_STRCOLL /**/
?H:.
?LINT:set d_strcoll
: see if strcoll exists
set strcoll d_strcoll
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_strcoll.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_gethname.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_gethname.U,v $
?RCS: Revision 3.0.1.1 1994/10/29 16:13:00 ram
?RCS: patch36: call ./xenix explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0 1993/08/18 12:06:11 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_gethname d_uname d_phostname aphostname: phostname cat \
myhostname package d_portable Loc echo n c +i_whoami +usrinc \
Myread Guess Oldconfig Csym
```



?MAKE: -pick add \$@ %<

?S:d\_gethname:  
?S: This variable conditionally defines the HAS\_GETHOSTNAME symbol, which  
?S: indicates to the C program that the gethostname() routine may be  
?S: used to derive the host name.  
?S:.

?S:d\_uname:  
?S: This variable conditionally defines the HAS\_UNAME symbol, which  
?S: indicates to the C program that the uname() routine may be  
?S: used to derive the host name.  
?S:.

?S:d\_phostname:  
?S: This variable conditionally defines the HAS\_PHOSTNAME symbol, which  
?S: contains the shell command which, when fed to popen(), may be  
?S: used to derive the host name.  
?S:.

?S:aphostname:  
?S: This variable contains the command which can be used to compute the  
?S: host name. The command is fully qualified by its absolute path, to make  
?S: it safe when used by a process with super-user privileges.  
?S:.

?C:HAS\_GETHOSTNAME (GETHOSTNAME):  
?C: This symbol, if defined, indicates that the C program may use the  
?C: gethostname() routine to derive the host name. See also HAS\_UNAME  
?C: and PHOSTNAME.  
?C:.

?C:HAS\_UNAME (UNAME):  
?C: This symbol,  
if defined, indicates that the C program may use the  
?C: uname() routine to derive the host name. See also HAS\_GETHOSTNAME  
?C: and PHOSTNAME.  
?C:.

?C:PHOSTNAME:  
?C: This symbol, if defined, indicates the command to feed to the  
?C: popen() routine to derive the host name. See also HAS\_GETHOSTNAME  
?C: and HAS\_UNAME. Note that the command uses a fully qualified path,  
?C: so that it is safe even if used by a process with super-user  
?C: privileges.  
?C:.

?C:HAS\_PHOSTNAME:  
?C: This symbol, if defined, indicates that the C program may use the  
?C: contents of PHOSTNAME as a command to feed to the popen() routine  
?C: to derive the host name.  
?C:.

?H:?%<:#\$d\_gethname HAS\_GETHOSTNAME /\*\*/  
?H:?%<:#\$d\_uname HAS\_UNAME /\*\*/  
?H:?%<:#\$d\_phostname HAS\_PHOSTNAME /\*\*/

```

?H:?%<:#ifdef HAS_PHOSTNAME
?H:?%<:#define PHOSTNAME "$aphostname" /* How to get the host name */
?H:?%<:#endif
?H:.
?T:file val call
?LINT:change i_whoami
: see how we will look up host name
echo " "
call="
@if HAS_GETHOSTNAME
if
set gethostname val -f d_gethname; eval $csym; $val; then
echo 'gethostname() found.' >&4
d_gethname="$define"
call=gethostname
fi
@end
@if HAS_UNAME
if set uname val -f d_uname; eval $csym; $val; then
if ./xenix; then
$cat <<'EOM'
uname() was found, but you're running xenix, and older versions of xenix
have a broken uname(). If you don't really know whether your xenix is old
enough to have a broken system call, use the default answer.

EOM
dflt=y
case "$d_uname" in
"$define") dflt=n;;
esac
rp='Is your uname() broken?'
./myread
case "$ans" in
n*) d_uname="$define"; call=uname;;
esac
else
echo 'uname() found.' >&4
d_uname="$define"
case "$call" in
") call=uname ;;
esac
fi
fi
@end
case "$d_gethname" in
") d_gethname="$undef";;
esac
case "$d_uname" in

```

```
) d_undef="$undef";;
esac
@if PHOSTNAME || MYHOSTNAME
case "$d_undef$d_gethname" in
*define*)
dflt=n
cat <<EOM
```

Every now and then someone has a \$call() that lies about the hostname but can't be fixed

for political or economic reasons. If you wish, I can

```
@if MYHOSTNAME && PHOSTNAME
```

pretend \$call() isn't there and maybe compile in the hostname or compute it from the '\$phostname' command at run-time.

```
@elsif MYHOSTNAME
```

pretend \$call() isn't there and maybe compile in the hostname.

```
@elsif PHOSTNAME
```

pretend \$call() isn't there and maybe compute hostname at run-time thanks to the '\$phostname' command.

```
@elsif WHOAMI
```

get the hostname from whomai.h (provided you have one).

```
@else
```

simply ignore your host name and use something like "noname" instead.

```
@end
```

```
EOM
```

```
rp="Shall I ignore $call() from now on?"
```

```
. ./myread
```

```
case "$ans" in
```

```
y*) d_undef="$undef" d_gethname="$undef"; $echo $n "Okay...$c";;
```

```
esac;;
```

```
esac
```

```
@end
```

```
@if PHOSTNAME || aphostname
```

?X: Compute the full path name for the command

```
case "$phostname" in
```

```
) aphostname="";;
```

```
*) case "$aphostname" in
```

```
/*) ;;
```

```
*) set X $phostname
```

```
shift
```

```
file=$1
```

```
shift
```

```
file=`./loc $file $file $pth`
```

```
aphostname=`echo $file $*`
```

```
::
```

```
esac
```

```
::
```

```

esac
@end
@if
PHOSTNAME && MYHOSTNAME
case "$d_uname$d_gethname" in
*define*) ;;
*)
case "$phostname" in
") ;;
*)
$cat <<EOT

```

There is no gethostname() or uname() on this system. You have two possibilities at this point:

- 1) You can have your host name (\$myhostname) compiled into \$package, which lets \$package start up faster, but makes your binaries non-portable, or
- 2) you can have \$package use a

```
popen("$aphostname","r")
```

which will start slower but be more portable.

```
@ if WHOAMI
```

Option 1 will give you the option of using whoami.h if you have one.

```
@ end
```

If you want option 2 but with a different command, you can edit config.sh at the end of this shell script.

```
EOT
```

```

case "$d_phostname" in
"$define") dflt=n;;
"$undef") dflt=y;;
")
case "$d_portable" in
"$define") dflt=n ;;
*) dflt=y ;;
esac;;
esac
rp="Do you want your host name compiled in?"
./myread
case "$ans" in
n*) d_phostname="$define" ;;
*) aphostname=""; d_phostname="$undef";;
esac;;
esac
case

```

```
"$phostname" in
")
@ if WHOAMI
case "$i_whoami" in
"$define")
dflt=y
$cat <<EOM
```

No hostname function--you can either use the whoami.h file, which has this line:

```
`grep sysname $usrinc/whoami.h`
```

or you can have the name we came up with earlier (\$myhostname) hardwired in.

```
EOM
rp="Use whoami.h to get hostname?"
./myread
case "$ans" in
n*) i_whoami="$sundef";;
esac
;;
"$sundef")
$cat <<EOM
```

No hostname function and no whoami.h -- hardwiring "\$myhostname".

```
EOM
;;
esac;;
@ else
echo 'No hostname function -- hardwiring "$myhostname".'>&4;;
@ end
esac;;
esac
@elsif PHOSTNAME
case "$d_uname$d_gethname" in
*define*) ;;
*)
case "$phostname" in
")
@ if WHOAMI
case "$i_whoami" in
"$define")
$cat <<EOM
```

No hostname function--we'll use the whoami.h file, which has this line:

```
`grep sysname $usrinc/whoami.h`
```

```
EOM
;;
```

```

*) echo "There will be no way for $package to get your hostname." >&4;;
esac;;
@ else
echo "There will be no way
for $package to get your hostname." >&4;;
@ end
*)
echo "I'll use 'popen('"'$aphostname"', "r")' to get your hostname." >&4
;;
esac;;
esac
@elsif MYHOSTNAME
case "$d_uname$d_gethname" in
*define*) ;;
*)
@ if WHOAMI
case "$i_whoami" in
"$define")
dflt=y
$cat <<EOM

```

No hostname function--you can either use the whoami.h file, which has this line:

```
`grep sysname $usrinc/whoami.h`
```

or you can have the name we came up with earlier (\$myhostname) hardwired in.

```

EOM
rp="Use whoami.h to get hostname?"
./myread
case "$ans" in
n*) i_whoami="$undef";;
esac
;;
"$undef")
echo 'No whoami.h--hardwiring "$myhostname".' >&4;;
esac;;
@ else
echo 'Hardwiring "$myhostname".' >&4;;
@ end
esac
@end
case "$d_phostname" in
") d_phostname="$undef";;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_gethname.U

```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_fmod.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_fmod.U,v $
?RCS: Revision 3.0.1.1 1994/10/29 16:12:46 ram
?RCS: patch36: created by ADO
?RCS:
?MAKE:d_fmod: Inlibc
?MAKE: -pick add $@ %<
?S:d_fmod:
?S: This variable conditionally defines the HAS_FMOD symbol, which
?S: indicates to the C program that the fmod() routine is available.
?S: See also d_drem for the drem() routine which does roughly the same.
?S:.
?C:HAS_FMOD
:
?C: This symbol, if defined, indicates that the fmod routine is
?C: available to compute the remainder  $r=x-n*y$  where  $n=\text{trunc}(x/y)$ .
?C:.
?H:#$d_fmod HAS_FMOD /**/
?H:.
?LINT:set d_fmod
: see if fmod exists
set fmod d_fmod
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_fmod.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
```

?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.

?RCS:  
?RCS: \$Log: cppstdin.U,v \$  
?RCS: Revision 3.0.1.4 1994/10/29 16:08:34 ram  
?RCS: patch36: added ?F: line for metalint file checking

?RCS:  
?RCS: Revision 3.0.1.3 1994/01/24 14:05:38 ram  
?RCS: patch16: comment for CPPLAST was missing

?RCS:  
?RCS: Revision 3.0.1.2 1993/12/15 08:18:58 ram  
?RCS: patch15: new variables cpprun and cpplast, guaranteed wrapper-free  
?RCS: patch15: cppstdin now tries to use cc, even at the cost of a wrapper

?RCS:  
?RCS: Revision 3.0.1.1 1993/08/25 14:00:53 ram  
?RCS: patch6:  
remove wrapper when not actually used

?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:38 ram  
?RCS: Baseline for dist 3.0 netwide release.

?RCS:  
?MAKE:cppstdin cppminus cpprun cpplast: contains test Myread Oldconfig Loc \  
cpp +cc rm hint osname gccversion startsh eunicefix  
?MAKE: -pick add \$@ %<

?S:cppstdin:  
?S: This variable contains the command which will invoke the C  
?S: preprocessor on standard input and put the output to stdout.  
?S: It is primarily used by other Configure units that ask about  
?S: preprocessor symbols.

?S:.  
?S:cppminus:  
?S: This variable contains the second part of the string which will invoke  
?S: the C preprocessor on the standard input and produce to standard  
?S: output. This variable will have the value "-" if cppstdin needs  
?S: a minus to specify standard input, otherwise the value is "".

?S:.  
?S:cpprun:  
?S: This variable contains the command which will invoke a C preprocessor  
?S: on standard input and put the output to stdout. It is guaranteed not  
?S: to be a wrapper  
and may be a null string if no preprocessor can be  
?S: made directly available. This preprocessor might be different from the  
?S: one used by the C compiler. Don't forget to append cpplast after the  
?S: preprocessor options.

?S:.  
?S:cpplast:  
?S: This variable has the same functionality as cppminus, only it applies to



?S: cpprun and not cppstd.in.

?S:.

?C:CPPSTDIN:

?C: This symbol contains the first part of the string which will invoke  
 ?C: the C preprocessor on the standard input and produce to standard  
 ?C: output. Typical value of "cc -E" or "/lib/cpp", but it can also  
 ?C: call a wrapper. See CPPRUN.

?C:.

?C:CPPMINUS:

?C: This symbol contains the second part of the string which will invoke  
 ?C: the C preprocessor on the standard input and produce to standard  
 ?C: output. This symbol will have the value "-" if CPPSTDIN needs a minus  
 ?C: to specify standard input, otherwise the value is "".

?C:.

?C:CPPRUN:

?C: This symbol contains the string which will invoke a C preprocessor on  
 ?C: the  
 standard input and produce to standard output. It needs to end  
 ?C: with CPPLAST, after all other preprocessor flags have been specified.  
 ?C: The main difference with CPPSTDIN is that this program will never be a  
 ?C: pointer to a shell wrapper, i.e. it will be empty if no preprocessor is  
 ?C: available directly to the user. Note that it may well be different from  
 ?C: the preprocessor used to compile the C program.

?C:.

?C:CPPLAST:

?C: This symbol is intended to be used along with CPPRUN in the same manner  
 ?C: symbol CPPMINUS is used with CPPSTDIN. It contains either "-" or "".

?C:.

```
?H:#define CPPSTDIN "$cppstd.in"
?H:#define CPPMINUS "$cppminus"
?H:#define CPPRUN "$cpprun"
?H:#define CPPLAST "$cpplast"
?H:.
```

```
?F:cppstd.in !testcpp.out !testcpp.c
?T:wrapper x_cpp x_minus ok
: see how we invoke the C preprocessor
echo " "
echo "Now, how can we feed standard input to your C preprocessor..." >&4
cat <<'EOT' >testcpp.c
#define ABC abc
#define XYZ xyz
ABC.XYZ
EOT
cd ..
if $test ! -f cppstd.in;
then
echo "$startsh" >cppstd.in
if $test "X$osname" = "Xaix" -a "X$gccversion" = X; then
```

```

?X: AIX cc -E doesn't show the absolute headerfile
?X: locations but we'll cheat by using the -M flag.
echo 'cat >.$$.c; rm -f .$$.u; ""$cc"" ${1+"$@"} -M -c .$$.c 2>/dev/null; \
test -s .$$.u && \
awk """"$2 ~ /\.h$/ { print "# 0 \\""$2\\""" }"""" .$$.u; \
rm -f .$$.o .$$.u; ""$cc"" -E ${1+"$@"} .$$.c; rm .$$.c' >> cppstdin
else
echo 'cat >.$$.c; ""$cc"" -E ${1+"$@"} .$$.c; rm .$$.c' >> cppstdin
fi; else
echo "Keeping your $hint cppstdin wrapper."
fi
chmod 755 cppstdin
$eunicefix cppstdin
wrapper=`pwd`/cppstdin
ok='false'
cd UU

```

?X:

?X: We'll run the cpp tests again if we don't have any valid C preprocessor

?X: yet or don't know how to proceed without a wrapper (in which case cprun

?X: is empty and that's really annoying...)

?X:

```

if $test "X$cppstdin" != "X" && \
  $cppstdin $cppminus <testcpp.c >testcpp.out 2>&1 && \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1
then
echo "You used to use
  $cppstdin $cppminus so we'll use that again."
case "$cprun" in
") echo "But let's see if we can live without a wrapper..." ;;
*)
if $cprun $cplast <testcpp.c >testcpp.out 2>&1 && \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1
then
echo "(And we'll use $cprun $cplast to preprocess directly.)"
ok='true'
else
echo "(However, $cprun $cplast does not work, let's see...)"
fi
;;
esac
else
case "$cppstdin" in
") ;;
*)
echo "Good old $cppstdin $cppminus does not seem to be of any help..."
;;
esac

```

fi

```
if $ok; then
  : nothing
elif echo 'Maybe ""$cc" -E" will work...'; \
  $cc -E <testcpp.c >testcpp.out 2>&1; \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
  echo "Yup, it does."
  x_cpp="$cc -E"
  x_minus="";
elif echo 'Nope...maybe ""$cc" -E -" will work...'; \
  $cc -E - <testcpp.c >testcpp.out 2>&1; \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
  echo "Yup, it does."
  x_cpp="$cc -E"
  x_minus='-';
elif echo 'Nope...maybe ""$cc"
-P" will work...'; \
  $cc -P <testcpp.c >testcpp.out 2>&1; \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
  echo "Yipee, that works!"
  x_cpp="$cc -P"
  x_minus="";
elif echo 'Nope...maybe ""$cc" -P -" will work...'; \
  $cc -P - <testcpp.c >testcpp.out 2>&1; \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
  echo "At long last!"
  x_cpp="$cc -P"
  x_minus='-';
elif echo 'No such luck, maybe "$cpp" will work...'; \
  $cpp <testcpp.c >testcpp.out 2>&1; \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
  echo "It works!"
  x_cpp="$cpp"
  x_minus="";
elif echo 'Nixed again...maybe "$cpp' -" will work...'; \
  $cpp - <testcpp.c >testcpp.out 2>&1; \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
  echo "Hooray, it works! I was beginning to wonder."
  x_cpp="$cpp"
  x_minus='-';
elif echo 'Uh-uh. Time to get fancy. Trying a wrapper...'; \
  $wrapper <testcpp.c >testcpp.out 2>&1; \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
  x_cpp="$wrapper"
  x_minus="
echo
```

```

"Eureka!"
else
dflt="
rp="No dice. I can't find a C preprocessor. Name one:"
./myread
x_cpp="$ans"
x_minus="
$x_cpp <testcpp.c >testcpp.out 2>&1
if $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
echo "OK, that will do." >&4
else
echo "Sorry, I can't get that to work. Go find one and rerun Configure." >&4
exit 1
fi
fi

case "$ok" in
false)
cppstdin="$x_cpp"
cppminus="$x_minus"
cpprun="$x_cpp"
cpplast="$x_minus"
?X:
?X: If /lib/cpp is used, try using a wrapper to increase our chances to have
?X: the C compiler and our $cppstdin agree on the same symbols... However,
?X: since cpprun is guaranteed not to be a wrapper, we must clear it if the
?X: only preprocessor we found was a wrapper, with all our luck...
?X:
set X $x_cpp
shift
case "$1" in
"$cpp")
echo "Perhaps can we force $cc -E using a wrapper..."
if $wrapper <testcpp.c >testcpp.out 2>&1; \
$contains 'abc.*xyz' testcpp.out >/dev/null 2>&1
then
echo "Yup, we can."
cppstdin="$wrapper"
cppminus=";
else
echo
"Nope, we'll have to live without it..."
fi
;;
esac
case "$cpprun" in
"$wrapper")
cpprun="

```

```

cpplast="
;;
esac
;;
esac

case "$cppstd" in
"$wrapper"|"$cppstd") ;;
*) $rm -f $wrapper;;
esac
$rm -f testcpp.c testcpp.out

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/cppstdin.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: dlsrc.U,v\$

?RCS:

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?RCS:

?RCS: \$Log: dlex.t.U,v \$

?RCS:

?X: hpux support thanks to Jeff Okamoto <okamoto@hpcc101.corp.hp.com>

?X:

?X: To create a shared library, you must compile ALL source files in the

?X: library with +z (or possibly +Z if the library is whopping huge),

?X: then link the library with -b. Example:

?X: cc -c +z module\_a.c

?X: cc -c +z module\_b.c

?X: ld -b module\_a.o module\_b.o -o module.sl

?X:

?MAKE:dlex.t: \

Getfile Myread cat usedl so

?MAKE: -pick add \$@ %<

?Y:BOTTOM

?S:dlex.t:

?S: This variable contains the extension that is to be used for the

?S: dynamically loaded modules that perl generates.

?S:.

: Check what extension to use for shared libs

case "\$usedl" in

\$define|y|true)

\$cat <<

EOM

On a few systems, the dynamically loaded modules that perl generates and uses will need a different extension than shared libs. The default will probably be appropriate.

EOM

```
case "$dlex" in
  ") dflt="$so" ;;
  *) dflt="$dlex" ;;
esac
rp='What is the extension of dynamically loaded modules'
. ./myread
dlex="$ans"
;;
*)
dlex="none"
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/dlex.U
```

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?RCS: \$Id: d\_memccpy.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS:

?RCS: \$Log: d\_memccpy.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:31 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_memccpy: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_memccpy:

?S: This variable conditionally defines the HAS\_MEMCCPY symbol, which

?S: indicates to the C program that the memccpy() routine is available

?S: to copy a character into a block of memory.

?S:.

?C:HAS\_MEMCCPY (MEMCCPY):

?C: This symbol, if defined, indicates that the memccpy routine

is available

?C: to copy a character into a block of memory. Otherwise you should

?C: roll your own.

?C:.

?H:#\$d\_memccpy HAS\_MEMCCPY /\*\*/

?H:.

?LINT:set d\_memccpy

: see if memccpy exists

set memccpy d\_memccpy

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_memccpy.U

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?RCS:

?MAKE:gidformat: gidsize gidsign ivsize uvsize longsize intsize shortsize \  
ivdformat uvuformat test echo

?MAKE: -pick add \$@ %<

?S:gidformat:

?S: This variable contains the format string used for printing a Gid\_t.

?S:.

?C:Gid\_t\_f:

?C: This symbol defines the format string used for printing a Gid\_t.

?C:.

?H:#define Gid\_t\_f \$gidformat /\*\*/

?H:.

: Check format string for GID

echo " "

\$echo "Checking the format string to be used for gids..." >&4

case "\$gidsign" in

-1) if \$test X"\$gidsize" = X"\$ivsize"; then  
gidformat="\$ivdformat"

else

if \$test X"\$gidsize" = X"\$longsize"; then  
gidformat="ld"

else

if \$test X"\$gidsize" = X"\$intsize"; then  
gidformat="d"

```

else
  if $test X"$gidsize"
= X"$shortsize"; then
  gidformat="hd"
  fi
  fi
  fi
  fi
;;
*) if $test X"$gidsize" = X"$uvsiz"; then
  gidformat="$uvuformat"
else
  if $test X"$gidsize" = X"$longsize"; then
  gidformat="lu"
  else
  if $test X"$gidsize" = X"$sintsize"; then
  gidformat="u"
  else
  if $test X"$gidsize" = X"$shortsize"; then
  gidformat="hu"
  fi
  fi
  fi
  fi
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/gidf.U
```

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?RCS:

?RCS: \$Log: i\_varhdr.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 15:54:42 ram

?RCS: patch61: varargs script now starts with leading "startsh"

?RCS:

?RCS: Revision 3.0.1.2 1994/10/29 16:21:02 ram

?RCS: patch36: added ?F: line for metalint file checking



?RCS:  
?RCS: Revision 3.0.1.1 1994/05/13 15:26:05 ram  
?RCS: patch27: this unit now supersedes old i\_stdarg.U and i\_varargs.U  
?RCS: patch27: modified to avoid spurious Whoa warnings (ADO)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:08:49 ram  
?RCS: Baseline for  
dist 3.0 netwide release.  
?RCS:  
?MAKE:i\_stdarg i\_varargs i\_varhdr: cat +cc +ccflags rm test Setvar \  
Findhdr Warn startsh \_o  
?MAKE: -pick add \$@ %<  
?S:i\_stdarg:  
?S: This variable conditionally defines the I\_STDARG symbol, which  
?S: indicates to the C program that <stdarg.h> exists and should  
?S: be included.  
?S:.  
?S:i\_varargs:  
?S: This variable conditionally defines I\_VARARGS, which indicates  
?S: to the C program that it should include <varargs.h>.  
?S:.  
?S:i\_varhdr:  
?S: Contains the name of the header to be included to get va\_dcl definition.  
?S: Typically one of varargs.h or stdarg.h.  
?S:.  
?C:I\_STDARG:  
?C: This symbol, if defined, indicates that <stdarg.h> exists and should  
?C: be included.  
?C:.  
?C:I\_VARARGS:  
?C: This symbol, if defined, indicates to the C program that it should  
?C: include <varargs.h>.  
?C:.  
?H:#\$i\_stdarg I\_STDARG /\*\*/  
?H:#\$i\_varargs I\_VARARGS /\*\*/  
?H:.  
?W:%<:va\_dcl  
?F:!varargs  
?T:valstd  
?LINT:set i\_stdarg i\_varargs  
?X:  
?X: Don't use setvar because the varargs test  
below might override these.  
?X: Actually, the messages here are just informative. We don't wish to set  
?X: i\_varargs or i\_stdarg to their final value before knowing which of the  
?X: two we'll include.  
?X:  
: see if stdarg is available

```

echo " "
if $test `./findhdr stdarg.h`; then
echo "<stdarg.h> found." >&4
valstd="$define"
else
echo "<stdarg.h> NOT found." >&4
valstd="$undef"
fi

```

: see if varargs is available

```

echo " "
if $test `./findhdr varargs.h`; then
echo "<varargs.h> found." >&4
else
echo "<varargs.h> NOT found, but that's ok (I hope)." >&4
fi

```

?X:

?X: if you have stdarg.h, you need to support prototypes to actually use it;

?X: but if stdarg.h exists and the compiler doesn't support prototypes (for some

?X: bizarre reason), we'll fall back to varargs.h anyway so it's not so bad.

?X:

: set up the varargs testing programs

```
$cat > varargs.c <<EOP
```

```
#ifdef I_STDARG
```

```
#include <stdarg.h>
```

```
#endif
```

```
#ifdef I_VARARGS
```

```
#include <varargs.h>
```

```
#endif
```

```
#ifdef I_STDARG
```

```
int f(char *p, ...)
```

```
#else
```

```
int
```

```
f(va_alist)
```

```
va_dcl
```

```
#endif
```

```
{
```

```
va_list ap;
```

```
#ifndef I_STDARG
```

```
char *p;
```

```
#endif
```

```
#ifdef I_STDARG
```

```
va_start(ap,p);
```

```
#else
```

```
va_start(ap);
```

```
p = va_arg(ap, char *);
```

```

#endif
    va_end(ap);
}
EOP
$cat > varargs <<EOP
$startsh
if $cc -c $ccflags -D$1 varargs.c >/dev/null 2>&1; then
    echo "true"
else
    echo "false"
fi
$rm -f varargs$_o
EOP
chmod +x varargs

: now check which varargs header should be included
echo " "
i_varhdr="
case "$valstd" in
"$define")
    if `./varargs I_STDARG`; then
        val='stdarg.h'
    elif `./varargs I_VARARGS`; then
        val='varargs.h'
    fi
    ;;
*)
    if `./varargs I_VARARGS`; then
        val='varargs.h'
    fi
    ;;
esac
case "$val" in
")
    ./warn "I could not find the definition for va_dcl... You have problems..."
    val="$undef"; set i_stdarg; eval $setvar
    val="$undef"; set i_varargs; eval $setvar
    ;;
*)
    set i_varhdr
    eval $setvar
    case "$i_varhdr" in
stdarg.h)
        val="$define"; set i_stdarg; eval $setvar
        val="$undef"; set i_varargs; eval $setvar
        ;;
varargs.h)
        val="$undef"; set i_stdarg;

```

```
eval $setvar
val="$define"; set i_varargs; eval $setvar
;;
esac
echo "We'll include <$i_varhdr> to get va_dcl definition." >&4;;
esac
$rm -f varargs*
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_varhdr.U
```

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?RCS:

?MAKE:i\_netinettcp: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_netinettcp:

?S: This variable conditionally defines the I\_NETINET\_TCP symbol,

?S: and indicates whether a C program should include <netinet/tcp.h>.

?S:.

?C:I\_NETINET\_TCP:

?C: This symbol, if defined, indicates to the C program that it should

?C: include <netinet/tcp.h>.

?C:.

?H:#\$i\_netinettcp I\_NETINET\_TCP /\*\*/

?H:.

?LINT:set i\_netinettcp

: see if netinet/tcp.h is available

set netinet/tcp.h i\_netinettcp

eval \$inhdr

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_netinettcp.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: man1dir.U,v 3.2 1999/07/08 20:57:21 doughera Exp doughera \$

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: man1dir.U,v \$

?RCS: Revision 3.2 1999/07/08 20:57:21 doughera

?RCS: Used installprefix.

?RCS:

?RCS: Revision 3.1 1999/07/08 20:52:19 doughera

?RCS: Updated for perl5.005\_5x

?RCS:

?RCS: Revision 3.0.1.1 1997/02/28 16:10:29 ram

?RCS: patch61: created

?RCS:

?X: This was originally specific to perl5. Since perl5 has man pages that  
?X: go in both man1/ and man3/ directories, we need both man1dir  
?X: and  
man3dir. This unit is basically dist's mansrc.U with  
?X: man1 used instead of man everywhere.

?X:

?MAKE:man1dir man1direxp man1ext installman1dir: cat nroff Loc Oldconfig \  
package test Getfile Setprefixvar Prefixit Prefixup sysman Myread \  
prefixexp

?MAKE: -pick add \$@ %<

?Y:TOP

?D:man1dir="

?S:man1dir:

?S: This variable contains the name of the directory in which manual  
?S: source pages are to be put. It is the responsibility of the  
?S: Makefile.SH to get the value of this into the proper command.  
?S: You must be prepared to do the ~name expansion yourself.

?S:.

?D:man1direxp="

?S:man1direxp:

?S: This variable is the same as the man1dir variable, but is filename  
?S: expanded at configuration time, for convenient use in makefiles.

?S:.

?D:installman1dir="

?S:installman1dir:

?S: This variable is really the same as man1direxp, unless you are using  
?S: AFS in which case it points to the read/write location whereas  
?S: man1direxp only points to the read-only access location.  
For extra  
?S: portability, you should only use this variable within your makefiles.

```

?S:.
?S:man1ext:
?S: This variable contains the extension that the manual page should
?S: have: one of 'n', 'l', or '1'. The Makefile must supply the '.'.
?S: See man1dir.
?S:.
?T:lookpath
?LINT:change prefixvar
?LINT:set man1direxp
: determine where manual pages go
set man1dir man1dir none
eval $prefixit
$cat <<EOM

```

\$spackage has manual pages available in source form.

```

EOM
case "$nroff" in
nroff)
echo "However, you don't have nroff, so they're probably useless to you."
case "$man1dir" in
") man1dir="none";;
esac;;
esac
echo "If you don't want the manual sources installed, answer 'none'."
case "$man1dir" in
' ') dflt=none
;;
")
lookpath="$prefixexp/share/man/man1"
lookpath="$lookpath $prefixexp/man/man1 $prefixexp/man/l_man/man1"
lookpath="$lookpath $prefixexp/man/p_man/man1"
lookpath="$lookpath $prefixexp/man/u_man/man1"
lookpath="$lookpath $prefixexp/man/man.1"
?X: Experience has shown people
expect man1dir to be under prefix,
?X: so we now always put it there. Users who want other behavior
?X: can answer interactively or use a command line option.
?X: Does user have System V-style man paths.
case "$sysman" in
*/?_man*) dflt=`./loc . $prefixexp/l_man/man1 $lookpath` ;;
*) dflt=`./loc . $prefixexp/man/man1 $lookpath` ;;
esac
set dflt
eval $prefixup
;;
*) dflt="$man1dir"
;;
esac

```

```

echo " "
fn=dn+~
rp="Where do the main $spackage manual pages (source) go?"
./getfile
if $test "X$man1direxp" != "X$ansexp"; then
installman1dir="
fi
prefixvar=man1dir
./setprefixvar

case "$man1dir" in
") man1dir=' '
installman1dir=";;
esac

```

: What suffix to use on installed man pages

```

case "$man1dir" in
')
man1ext='0'
;;
*)
rp="What suffix should be used for the main $spackage man pages?"
case "$man1ext" in
") case "$man1dir" in
*1) dflt=1 ;;
*1p) dflt=1p ;;
*1pm) dflt=1pm ;;
*l) dflt=l;;
*n) dflt=n;;
*o) dflt=o;;
*p) dflt=p;;
*C) dflt=C;;
*L) dflt=L;;
*L1)
dflt=L1;;
*) dflt=1;;
esac
;;
*) dflt="$man1ext";;
esac
./myread
man1ext="$ans"
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

# 1.757 libcap 2.48-5.el8

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-----  
Full  
text of gpl-2.0.txt:  
-----

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## Constant-time SSSE3 AES core implementation.

## version 0.1

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# 1.759 curl 7.61.1-33.el8

## 1.759.1 Available under license :

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License Mixing

=====

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause

problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that [GPL](<https://www.gnu.org/licenses/gpl.html>) licensed code is not allowed to be linked with code licensed under the [Original BSD license](<https://spdx.org/licenses/BSD-4-Clause.html>) (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an [exception](<https://www.gnu.org/licenses/gpl-faq.html#GPLIncompatibleLibs>). This particular problem was addressed when the [Modified BSD license](<https://opensource.org/licenses/BSD-3-Clause>) was created, which does not have the announcement clause that collides with GPL.

## libcurl

Uses an [MIT style license](<https://curl.haxx.se/docs/copyright.html>) that is very liberal.

## OpenSSL

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## GnuTLS

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##

BoringSSL

(May be used for SSL/TLS support) As an OpenSSL fork, it has the same license as that.

## libressl

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## c-ares

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

## zlib

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

## MIT Kerberos

(May be used for GSS support) MIT licensed, that shouldn't collide with any other parts.

## Heimdal

(May be used for GSS support) Heimdal is Original BSD licensed with the announcement clause.

## GNU GSS

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## OpenLDAP

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.

## libssh2

(Used for scp and sftp support) libssh2 uses a Modified BSD-style license.

## 1.760 glibc 2.28-236.el8\_9.7

### 1.760.1 Available under license :

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localtime.go, localtime\_test.go:

Originals:

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Changes:

- \* Renamed files from civil\* to localtime\*.
- \* Package changed from civil to toml.
- \* 'Local' prefix added to all structs.

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# 1.764 golang-jwt 4.4.2

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## 1.775 rcrowley-go-metrics 0.0.0-

## 20181016184325-3113b8401b8a

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## Constant-time SSSE3 AES core implementation.

## version 0.1

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## By Mike Hamburg (Stanford University), 2009

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Version 3, 29 June 2007

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

```
This program is free software; you can redistribute it and/or modify  
it under the terms of the GNU  
General Public License as published by  
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(at your option) any later version.
```

```
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```

```
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```

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) year name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute
```

it

under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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Version 2.1, February 1999

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```
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```

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<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

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## 1.785 golang 1.22.0

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27287199

27287880

27287883

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```

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*
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

Michael Campanella (campanella@stevms.enet.dec.com)

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<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
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XX
X
    This file is generated from xml source: DO NOT EDIT
XX
X
    -->
<title>The Apache License, Version 2.0 - Apache HTTP Server Version 2.4</title>
<link href="/style/css/manual.css" rel="stylesheet" media="all" type="text/css" title="Main stylesheet" />
<link href="/style/css/manual-loose-100pc.css" rel="alternate stylesheet" media="all" type="text/css" title="No
Sidebar - Default font size" />
<link href="/style/css/manual-print.css" rel="stylesheet" media="print" type="text/css" /><link rel="stylesheet"
type="text/css" href="/style/css/prettify.css" />
<script src="/style/scripts/prettify.min.js" type="text/javascript">
</script>

<link
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<body id="manual-page" class="no-sidebar"><div id="page-header">
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href="http://wiki.apache.org/httpd/FAQ">FAQ</a> | <a href="/glossary.html">Glossary</a> | <a
href="/sitemap.html">Sitemap</a></p>
<p class="apache">Apache HTTP Server Version 2.4</p>
</div>
<div class="up"><a href="/"></a></div>
<div id="path">
<a href="http://www.apache.org/">Apache</a> &gt; <a href="http://httpd.apache.org/">HTTP Server</a> &gt; <a
href="http://httpd.apache.org/docs/">Documentation</a> &gt; <a href="/">Version 2.4</a></div><div id="page-
content"><div id="preamble"><h1>The Apache License, Version 2.0</h1>
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</div>

</div>

<div class="bottomlang">

<p><span>Available Languages: </span><a href="/en/license.html" title="English">&nbsp;en&nbsp;</a></p>

</div><div class="top"><a href="#page-header"></a></div><div

class="section"><h2><a id="comments\_section" name="comments\_section">Comments</a></h2><div

class="warning"><strong>Notice:</strong><br />This is not a Q&A section. Comments

placed here should be pointed towards suggestions on improving the documentation or server, and may be removed  
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href="http://httpd.apache.org/lists.html">mailing lists</a>.</div>

<script type="text/javascript"><!--><![CDATA[//><!--

var comments\_shortcode = 'httpd';

var comments\_identifier = 'http://httpd.apache.org/docs/2.4/license.html';

(function(w, d) {

if (w.location.hostname.toLowerCase() == "httpd.apache.org") {

d.write('<div id="comments\_thread"></div>');

var s = d.createElement('script');

s.type = 'text/javascript';

s.async = true;

s.src = 'https://comments.apache.org/show\_comments.lua?site=' + comments\_shortcode + '&page=' +

comments\_identifier;

(d.getElementsByTagName('head')[0] || d.getElementsByTagName('body')[0]).appendChild(s);

}

else {

d.write('<div id="comments\_thread">Comments are disabled for this page at the moment.</div>');

}

})(window, document);

//><![></script></div><div id="footer">

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<p class="menu"><a href="/mod">Modules</a> | <a href="/mod/directives.html">Directives</a> | <a

href="http://wiki.apache.org/httpd/FAQ">FAQ</a> | <a href="/glossary.html">Glossary</a> | <a

href="/sitemap.html">Sitemap</a></p></div><script type="text/javascript"><!--><![CDATA[//><!--

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if (typeof(prettyPrint) !== 'undefined') {
  prettyPrint();
}
//--><![ ]></script>
</body></html>
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```
#####
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#####
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```
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```

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<signature of Ty Coon>, 1 April 1989
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```
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```

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## 1.794.1 Available under license :

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## xwd v1.0.7

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include/GL/gl.h :

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include/GL/glex.h  
include/GL/glxext.h  
include/GL/wglxext.h :

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