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From speedt@armory.com Wed May 10 10:21:11 1995

Flags: 10

Return-Path: spcecdt@armory.com

Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)

id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from speecdt@armory.com for <chet@odin.INS.CWRU.Edu>) Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)

id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from speecdt@armory.com for <chet@po.cwru.edu>)

From: John DuBois <spcecdt@armory.com>

Date: Tue, 9 May 1995 22:33:12 -0700

In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>

"ksh scripts" (May 9, 1:36pm)

X-Www: http://www.armory.com/~spcecdt/ X-Mailer: Mail User's Shell (7.2.5 10/14/92)

To: chet@po.cwru.edu Subject: Re: ksh scripts

Message-ID: <9505092233.aa13001@deepthought.armory.com>

Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:

} Subject: ksh scripts

From odin.ins.cwru.edu!chet Tue May 9 10:39:51 1995

```
Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;
       9 May 95 10:39 PDT
Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ins)
} id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)
} Date: Tue, 9 May 1995 13:36:54 -0400
} From: Chet Ramey <chet@odin.ins.cwru.edu>
} To: john@armory.com
} Subject: ksh scripts
} Cc: chet@odin.ins.cwru.edu
} Reply-To: chet@po.cwru.edu
} Message-ID: <9505091736.AA20411.SM@odin.INS.CWRU.Edu>
} Read-Receipt-To: chet@po.CWRU.Edu
MIME-Version: 1.0
} Content-Type: text/plain; charset=us-ascii
} Status: OR
} Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for
} the FSF.
} I picked up a tar file of ksh scripts you wrote from an anon FTP site
} a while back. I'd like your permission to include modified versions
} of some of them in the next major bash distribution (with proper credit
} given, of course). Is it OK if I do that?
} Chet Ramey
} --
} "The lyf so short, the craft so long to lerne." - Chaucer
} Chet Ramey, Case Western Reserve University Internet: chet@po.CWRU.Edu
} -- End of excerpt from Chet Ramey
From mikel@ora.com Tue Aug 1 12:13:20 1995
Flags: 10
Return-Path: mikel@ora.com
Received: from ruby.ora.com (ruby.ora.com [198.112.208.25]) by odin.INS.CWRU.Edu with ESMTP
(8.6.12+cwru/CWRU-2.1-ins)
id MAA01565; Tue, 1 Aug 1995 12:13:18 -0400 (from mikel@ora.com for <chet@odin.INS.CWRU.Edu>)
Received: (from fax@localhost) by ruby.ora.com (8.6.12/8.6.11) with UUCP id MAA23251; Tue, 1 Aug 1995
12:07:51 -0400
Received: by los.ora.com (4.1/Spike-2.1)
id AA00672; Tue, 1 Aug 95 08:57:32 EDT
Date: Tue, 1 Aug 95 08:57:32 EDT
From: mikel@ora.com (Michael Loukides)
Message-Id: <9508011257.AA00672@los.ora.com>
Subject: Re: Ksh debugger from Rosenblatt's book [for bash]
To: Chet Ramey <chet@odin.INS.CWRU.Edu>
Cc: cmarie@ora.com, cam@iinet.com.au, brosenblatt@tm.com
In-Reply-To: Chet Ramey <chet@odin.INS.CWRU.Edu>, Mon, 31 Jul 1995 16:22:48 -0400
```

I've modified a (modified) version of Bill Rosenblatt's ksh debugger to work with bash-2.0. Does ORA have any problem with me distributing it with bash-2.0?

That's great!

Go ahead and circulate it; in fact, we should probably grab it and stick it in our ftp archive, and put a reference to it in the book. (Too late to actually discuss the thing, at least for this edition).

-----

From friedman@cli.com Thu May 25 12:19:06 1995

Flags: 10

Return-Path: friedman@cli.com

Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)

id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)

Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)

id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)

Received: from tepui.cli.com by cli.com (4.1/SMI-4.1)

id AA27213; Thu, 25 May 95 11:18:25 CDT

Received: by tepui.cli.com (4.1) id AA16031; Thu, 25 May 95 11:18:23 CDT

Message-Id: <9505251618.AA16031@tepui.cli.com> From: friedman@gnu.ai.mit.edu (Noah Friedman)

To: chet@po.cwru.edu Subject: Bash scripts

Reply-To: friedman@gnu.ai.mit.edu

In-Reply-To: <chet@odin.ins.cwru.edu> Thu, 25 May 1995 11:19:59 -0400

References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>

Date: Thu, 25 May 95 11:18:21 CST

>Hi. I snagged some of your bash functions from your home directory on >the FSF machines (naughty, I know), and I was wondering if you'd let >me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in

~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

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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.

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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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- 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.
- c) 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.
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e) 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 materials to be 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.

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- 3. [3]Bernd Altmeier <altmeier@atlsoft.de> hopf Elektronik serial line and PCI-bus devices
- 4. [4] Viraj Bais < vbais@mailman1.intel.com> and [5] Clayton Kirkwood < kirkwood@striderfm.intel.com> port to WindowsNT 3.5
- 5. [6] Michael Barone < michael, barone@lmco.com > GPSVME fixes
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- 7. [8] Greg Brackley < greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recybuf and iosignal code into separate modules.
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- 14. [15]Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration
- 15. [16]Sven Dietrich <sven\_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port.
- 16. [17]John A. Dundas III <dundas@salt.jpl.nasa.gov> Apple A/UX port
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- 24. [25]Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port
- 25. [26]Jeff Johnson <jbj@chatham.usdesign.com> massive prototyping overhaul
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- 27. [29]Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
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- 33. [36]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
- 34. [37]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
- 35. [38]Danny Mayer <mayer@ntp.org>Network I/O, Windows Port, Code Maintenance
- 36. [39]David L. Mills <mills@udel.edu> Version 4 foundation: clock discipline, authentication, precision kernel; clock drivers: Spectracom, Austron, Arbiter, Heath, ATOM, ACTS, KSI/Odetics; audio clock drivers: CHU, WWV/H, IRIG
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- 43. [47]Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling
- 44. [48]Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
- 45. [49]Wilfredo Sánchez <wsanchez@apple.com> added support for NetInfo
- 46. [50]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
- 47. [51]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
- 48. [52]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
- 49. [53] Michael Shields <shields@tembel.org> USNO clock driver

- 50. [54]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
- 51. [55]Harlan Stenn <a href="mailto:harlan@pfcs.com">harlan@pfcs.com</a>> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
- 52. [56] Kenneth Stone < ken@sdd.hp.com> HP-UX port
- 53. [57]Ajit Thyagarajan <ajit@ee.udel.edu>IP multicast/anycast support
- 54. [58]Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp>TRAK clock driver
- 55. [59]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
- 56. [60]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD

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Pentium Pro 200mhz

FreeBSD 2.1.5

gcc 2.7.2.2

SSLeay 0.7.0 30-Jan-1997

built on Tue Apr 22 12:14:36 EST 1997

options:bn(64,32) md2(int) rc4(idx,int) des(ptr,risc1,16,long) idea(int) blowfish(ptr2)

C flags:gcc -DTERMIOS -D ANSI SOURCE -fomit-frame-pointer -O3 -m486 -Wall

The 'numbers' are in 1000s of bytes per second processed.

type	8 bytes	64 bytes 2	56 bytes 10	24 bytes 819	92 bytes
md2	130.99k	367.68k	499.09k	547.04k	566.50k
md5	1924.98k	8293.50k	13464.41k	16010.39k	16820.68k
sha	1250.75k	5330.43k	8636.88k	10227.36k	10779.14k
sha1	1071.55k	4572.50k	7459.98k	8791.96k	9341.61k
rc4	10724.22k	14546.25k	15240.18k	15259.50k	15265.63k
des cbc	3309.11k	3883.01k	3968.25k	3971.86k	3979.14k
des ede3	1442.98k	1548.33	k 1562.48k	1562.00k	1563.33k
idea cbc	2195.69k	2506.39k	2529.59k	2545.66k	2546.54k
rc2 cbc	806.00k	833.52k	837.58k	838.52k	836.69k
blowfish cb	oc 4687.34	4k 5949.9	7k 6182.43	3k 6248.11	k 6226.09k
rsa 512 bit	s 0.010s				

rsa 1024 bits 0.045s

rsa 2048 bits 0.260s

rsa 4096 bits 1.690s

Motorolla 68020 20mhz, NetBSD

SSLeay 0.9.0t 29-May-1998

built on Fri Jun 5 12:42:23 EST 1998

options:bn(64,32) md2(char) rc4(idx,int) des(idx,cisc,16,long) idea(int) blowfish(idx)

C flags:gcc -DTERMIOS -O3 -fomit-frame-pointer -Wall -DB\_ENDIAN The 'numbers' are in 1000s of bytes per second processed.

type	8 bytes	64 bytes	256 bytes	1024 bytes	8192 bytes			
md2	2176.00	5994.67	8079.7	3 8845.18	9077.01			
mdc2	5730.67	6122.67	7 6167.6	66 6176.51	6174.87			
md5	29.10k	127.31k	209.66	k 250.50k	263.99k			
hmac(md5)	12.3	3k 73.0	02k 160	.17k 228.0	4k 261.15k			
sha1	11.27k	49.37k	84.31k	102.40k	109.23k			
rmd160	11.691	48.62	k 78.76	5k 93.15k	98.41k			
rc4	117.96k	148.94k	152.571	x 153.09k	152.92k			
des cbc	27.13k	30.06k	30.381	30.38k	30.53k			
des ede3	10.51k	10.941	k 11.01	k 11.01k	11.01k			
idea cbc	26.74k	29.23k	29.45	k 29.60k	29.74k			
rc2 cbc	34.27k	39.39k	40.031	40.07k	40.16k			
rc5-32/12 cb	oc 64.3	1k 83.1	8k 85.	70k 86.70	k 87.09k			
blowfish cbo	48.86	5k 59.1	8k 60.0	07k 60.42	k 60.78k			
cast cbc	42.67k	50.01k	50.861	51.20k	51.37k			
sign verify sign/s verify/s								
rsa 512 bits	0.7738s	0.0774s	1.3 12	.9				
rsa 1024 bits	s 4.3967s	0.2615s	0.2 3	.8				
rsa 2048 bits	s 29.5200s	0.9664s	0.0	.0				
sign verify sign/s verify/s								
dsa 512 bits	0.7862s	0.9709s	1.3 1.	0				
dsa 1024 bit	s 2.5375s	3.1625s	0.4	.3				
dsa 2048 bit	s 9.2150s	11.8200s	0.1	0.1				
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#!/bin/sh

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