



Open Source Used In Video Service Manager Sofware Version 10.03.00

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Text Part Number: 78EE117C99-200307819

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1.21 aspectj.runtime 1.6.2

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1.22 aspectjweaver 1.7.2

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1.24 Babel 7.0.0

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1.29 batik-gui-util 1.8.0

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1.30 batik-util 1.8

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Juergen Hunold (hunold -at- ive.uni-hannover.de) (See Boost List Message of Fri, 13 Aug 2004 19:39:55 +0200)

Kevlin Henney (kevlin -at- curbralan.com) (See Boost list message of Wed, 15 Sep 2004 18:15:17 +0200)

Kresimir Fresl (fresl -at- master.grad.hr) (See Boost List message of August 16, 2004 8:23:35 AM EST)

Lars Gullik Bjnnes (larsbj -at- lyx.org) (See Boost list message of Tue, 17 Aug 2004 15:49:02 +0100)

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Nicolai M Josuttis (solutions -at-josuttis.com) (See Boost list message of Mon, 30 Aug 2004 10:52:00 +0100)

Nikolay Mladenov (nickm -at- sitius.com) (See Boost list message of Tue, 17 Aug 2004 15:45:33 +0100)

Paul Mensonides (pmenso57 -at- comcast.net) (See Boost list message of July 21, 2004 1:12:21 AM EST)

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Ronald Garcia (garcia -at- cs.indiana.edu) (Email to Andreas Huber, see change log)

Samuel Krempp (krempp -at- crans.ens-cachan.fr) (See Boost list message of Mon, 27 Sep 2004 13:18:36 +0200)

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Stephen Cleary (scleary -at- jerviswebb.com) (See Boost list message of Tue, 28 Sep 2004 13:11:46 +0100)

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Joerg Walter (jhr.walter - at - t-online.de : email to ublas mailing list Mon, 17 Sep 2007 10:17:08 +0200)

Mathias Koch (mkoch - at - idesis.de 7 : email to boost-owner@lists.boost.org Sep 2007 13:20:09 +0200)

--- end ---

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```
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//
      http://www.boost.org/LICENSE_1_0.txt)
//
// See http://www.boost.org/libs/intrusive for documentation.
//
#ifndef BOOST_INTRUSIVE_DETAIL_MPL_HPP
#define BOOST_INTRUSIVE_DETAIL_MPL_HPP
#include <boost/intrusive/detail/config_begin.hpp>
#include <cstddef>
namespace boost {
namespace intrusive {
namespace detail {
typedef char one;
struct two {one _[2];};
template< bool C_>
struct bool
 static const bool value = C_;
};
typedef bool_<true>
                     true_;
typedef bool_<false>
                     false;
typedef true_true_type;
typedef false_false_type;
typedef char yes_type;
struct no_type
 char padding[8];
};
```

```
template <bool B, class T = void>
struct enable_if_c {
typedef T type;
};
template <class T>
struct enable_if_c<false, T> { };
template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T>{};
template<class F, class Param>
struct apply
 typedef typename F::template apply<Param>::type type;
};
template <class T, class U>
class is_convertible
 typedef char true_t;
 class false_t { char dummy[2]; };
 static true_t dispatch(U);
 static false_t dispatch(...);
 static const T &trigger();
 public:
 static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);
};
template<
   bool C
 , typename T1
 , typename T2
struct if_c
 typedef T1 type;
};
template<
   typename T1
 , typename T2
struct if_c<false,T1,T2>
 typedef T2 type;
};
```

```
template<
   typename C
 , typename T1
 , typename T2
struct if
 typedef typename if_c<0 != C::value, T1, T2>::type type;
};
template<
  bool C
 , typename F1
 , typename F2
struct eval_if_c
 : if_c<C,F1,F2>::type
{};
template<
   typename C
 , typename T1
 , typename T2
 >
struct eval_if
 : if_<C,T1,T2>::type
{};
// identity is an extension: it is not part of the standard.
template <class T>
struct identity
 typedef T type;
};
#if defined(BOOST_MSVC) || defined(__BORLANDC_)
#define BOOST_INTRUSIVE_TT_DECL __cdecl
#else
#define BOOST_INTRUSIVE_TT_DECL
#endif
#if defined(_MSC_EXTENSIONS) && !defined(_BORLAND__) && !defined(_WIN64) &&
!defined(UNDER_CE)
#define BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS
#endif
template <typename T>
```

```
struct is_unary_or_binary_function_impl
{ static const bool value = false; };
// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS
template <typename R>
struct is_unary_or_binary_function_impl<R (*)()>
{ static const bool value = true; };
template <typename R>
struct is_unary_or_binary_function_impl<R (*)(...)>
{ static const bool value = true; };
#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS
template <typename R>
struct is_unary_or_binary_function_impl<R (__stdcall*)()>
{ static const bool value = true; };
#ifndef _MANAGED
template <typename R>
struct is_unary_or_binary_function_impl<R (__fastcall*)()>
{ static const bool value = true; };
#endif
template <typename R>
struct is_unary_or_binary_function_impl<R (__cdecl*)()>
{ static const bool value = true; };
template <typename R>
struct is_unary_or_binary_function_impl<R (__cdecl*)(...)>
{ static const bool value = true; };
#endif
// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS
template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (*)(T0)>
{ static const bool value = true; };
template <typename R, class T0>
```

```
struct is_unary_or_binary_function_impl<R (*)(T0...)>
{ static const bool value = true; };
#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS
template <typename R, class T0>
struct is unary or binary function impl<R ( stdcall*)(T0)>
{ static const bool value = true; };
#ifndef MANAGED
template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__fastcall*)(T0)>
{ static const bool value = true; };
#endif
template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__cdecl*)(T0)>
{ static const bool value = true; };
template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__cdecl*)(T0...)>
{ static const bool value = true; };
#endif
// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS
template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (*)(T0, T1)>
{ static const bool value = true; };
template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (*)(T0, T1...)>
{ static const bool value = true; };
#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS
template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__stdcall*)(T0, T1)>
{ static const bool value = true; };
#ifndef _MANAGED
template <typename R, class T0, class T1>
```

```
struct is_unary_or_binary_function_impl<R (__fastcall*)(T0, T1)>
{ static const bool value = true; };
#endif
template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__cdec1*)(T0, T1)>
{ static const bool value = true; };
template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__cdecl*)(T0, T1...)>
{ static const bool value = true; };
#endif
template <typename T>
struct is_unary_or_binary_function_impl<T&>
{ static const bool value = false; };
template<typename T>
struct is_unary_or_binary_function
{ static const bool value = is_unary_or_binary_function_impl<T>::value; };
//boost::alignment_of yields to 10K lines of preprocessed code, so we
//need an alternative
template <typename T> struct alignment_of;
template <typename T>
struct alignment_of_hack
  char c;
  Tt;
  alignment_of_hack();
};
template <unsigned A, unsigned S>
struct alignment_logic
 static const std::size_t value = A < S ? A : S;
};
template< typename T >
struct alignment_of
 static const std::size_t value = alignment_logic
      < sizeof(alignment_of_hack<T>) - sizeof(T)
       , sizeof(T)
      >::value;
};
```

```
template <typename T, typename U>
struct is_same
 typedef char yes_type;
 struct no_type
   char padding[8];
 template <typename V>
 static yes_type is_same_tester(V*, V*);
 static no_type is_same_tester(...);
 static T *t;
 static U *u;
 static const bool value = sizeof(yes_type) == sizeof(is_same_tester(t,u));
};
template<typename T>
struct add_const
{ typedef const T type; };
template<typename T>
struct remove_const
{ typedef T type; };
template<typename T>
struct remove_const<const T>
{ typedef T type; };
template<typename T>
struct remove_cv
{ typedef T type; };
template<typename T>
struct remove_cv<const T>
{ typedef T type; };
template<typename T>
struct remove_cv<const volatile T>
{ typedef T type; };
template<typename T>
struct remove_cv<volatile T>
{ typedef T type; };
```

```
template<class T>
struct remove_reference
 typedef T type;
};
template<class T>
struct remove_reference<T&>
 typedef T type;
};
template<class Class>
class is_empty_class
 template <typename T>
 struct empty_helper_t1 : public T
  empty_helper_t1();
  int i[256];
 };
 struct empty_helper_t2
 { int i[256]; };
 public:
 static const bool value = sizeof(empty_helper_t1<Class>) == sizeof(empty_helper_t2);
};
template<std::size_t S>
struct ls_zeros
 static const std::size_t value = (S & std::size_t(1)) ? 0 : (1 + ls_zeros<(S>>1u)>::value);
};
template<>
struct ls_zeros<0>
 static const std::size_t value = 0;
};
template<>
struct ls_zeros<1>
 static const std::size_t value = 0;
};
} //namespace detail
```

```
} //namespace intrusive
} //namespace boost
#include <boost/intrusive/detail/config_end.hpp>
#endif //BOOST_INTRUSIVE_DETAIL_MPL_HPP
//
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// http://www.boost.org/LICENSE_1_0.txt)
//
// See http://www.boost.org/libs/interprocess for documentation.
//
#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
#define BOOST_INTERPROCESS_DETAIL_MPL_HPP
#if (defined _MSC_VER) && (_MSC_VER >= 1200)
# pragma once
#endif
#include <cstddef>
namespace boost {
namespace interprocess {
namespace ipcdetail {
template <class T, T val>
struct integral_constant
 static const T value = val;
 typedef integral_constant<T,val> type;
};
template< bool C_>
struct bool_: integral_constant<bool, C_>
 static const bool value = C_;
};
typedef bool_<true>
                     true_;
typedef bool_<false>
                     false_;
typedef true_true_type;
```

```
typedef false_type;
typedef char yes_type;
struct no_type
 char padding[8];
};
template <bool B, class T = void>
struct enable_if_c {
typedef T type;
template <class T>
struct enable_if_c<false, T> { };
template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {};
template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> { };
template <class T, class U>
class is_convertible
 typedef char true_t;
 class false_t { char dummy[2]; };
 static true_t dispatch(U);
 static false_t dispatch(...);
 static T trigger();
 public:
 static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);
};
template<
   bool C
 , typename T1
 , typename T2
struct if_c
 typedef T1 type;
};
template<
   typename T1
 , typename T2
```

```
struct if_c<false,T1,T2>
  typedef T2 type;
};
template<
   typename T1
  , typename T2
  , typename T3
struct if_
 typedef typename if_c<0 != T1::value, T2, T3>::type type;
};
template <class Pair>
struct select1st
// : public std::unary_function<Pair, typename Pair::first_type>
 template<class OtherPair>
 const typename Pair::first_type& operator()(const OtherPair& x) const
 { return x.first; }
 const typename Pair::first_type& operator()(const typename Pair::first_type& x) const
 { return x; }
};
// identity is an extension: it is not part of the standard.
template <class T>
struct identity
// : public std::unary_function<T,T>
 typedef T type;
 const T& operator()(const T& x) const
 { return x; }
};
template<std::size_t S>
struct ls_zeros
 static const std::size_t value = (S \& std::size_t(1)) ? 0 : (1u + ls_zeros < (S >> 1u) > ::value);
};
template<>
struct ls_zeros<0>
 static const std::size_t value = 0;
```

```
};
template<>
struct ls_zeros<1>
 static const std::size_t value = 0;
};
} //namespace ipcdetail {
} //namespace interprocess {
} //namespace boost {
#endif //#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
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// See http://www.boost.org/libs/container for documentation.
#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
#define BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
#if (defined _MSC_VER) && (_MSC_VER >= 1200)
# pragma once
#endif
#include <cstddef>
namespace boost {
namespace container {
namespace container_detail {
template <class T, T val>
struct integral_constant
 static const T value = val;
 typedef integral_constant<T,val> type;
};
template< bool C_>
struct bool_: integral_constant<bool, C_>
```

```
static const bool value = C_;
 operator bool() const { return bool_::value; }
typedef bool_<true>
                         true_;
typedef bool_<false>
                         false_;
typedef true_ true_type;
typedef false_type;
typedef char yes_type;
struct no_type
 char padding[8];
template <bool B, class T = void>
struct enable_if_c {
typedef T type;
};
template <class T>
struct enable_if_c<false, T> { };
template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> { };
template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> { };
template <bool B, class T = void>
struct disable_if_c : public enable_if_c<!B, T> { };
template <class T, class U>
class is_convertible
 typedef char true_t;
 class false_t { char dummy[2]; };
 static true_t dispatch(U);
 static false_t dispatch(...);
 static T trigger();
 public:
 enum { value = sizeof(dispatch(trigger())) == sizeof(true_t) };
};
template<
   bool C
 , typename T1
```

```
, typename T2
struct if_c
  typedef T1 type;
template<
   typename T1
  , typename T2
struct if_c<false,T1,T2>
  typedef T2 type;
};
template<
   typename T1
  , typename T2
  , typename T3
struct if_
 typedef typename if_c<0 != T1::value, T2, T3>::type type;
};
template <class Pair>
struct select1st
// : public std::unary_function<Pair, typename Pair::first_type>
 template<class OtherPair>
 const typename Pair::first_type& operator()(const OtherPair& x) const
 { return x.first; }
 const typename Pair::first_type& operator()(const typename Pair::first_type& x) const
 { return x; }
};
// identity is an extension: it is not part of the standard.
template <class T>
struct identity
// : public std::unary_function<T,T>
 typedef T type;
 const T& operator()(const T& x) const
 { return x; }
};
```

```
template<std::size_t S>
struct ls_zeros
static const std::size_t value = (S \& std::size_t(1)) ? 0 : (1u + ls_zeros < (S >> 1u) > ::value);
template<>
struct ls_zeros<0>
static const std::size_t value = 0;
template<>
struct ls_zeros<1>
static const std::size_t value = 0;
template <typename T> struct unvoid { typedef T type; };
template <> struct unvoid<void> { struct type { }; };
template <> struct unvoid<const void> { struct type { }; };
} //namespace container_detail {
} //namespace container {
} //namespace boost {
#endif //#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
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```

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1
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=US-ASCII">
<title>MPL Interoperability</title>
<link rel="stylesheet" href="../../../doc/src/boostbook.css" type="text/css">
<meta name="generator" content="DocBook XSL Stylesheets V1.77.1">
<link rel="home" href="../index.html" title="Chapter&#160;1.&#160;Boost.TypeTraits">
k rel="up" href="../index.html" title="Chapter 1. Boost.TypeTraits">
k rel="prev" href="intrinsics.html" title="Support for Compiler Intrinsics">
```

k rel="next" href="examples.html" title="Examples">

```
</head>
<br/><body bgcolor="white" text="black" link="#0000FF" vlink="#840084" alink="#0000FF">
<img alt="Boost C++ Libraries" width="277" height="86" src="../../../boost.png">
<a href="../../../index.html">Home</a>
<a href="../../../libs/libraries.htm">Libraries</a>
<a href="http://www.boost.org/users/people.html">People</a>
<a href="http://www.boost.org/users/faq.html">FAQ</a>
<a href="../../../more/index.htm">More</a>
<hr>
<div class="spirit-nav">
<a accesskey="p" href="intrinsics.html"><img src="../../.../doc/src/images/prev.png" alt="Prev"></a><a
accesskey="u" href="../index.html"><img src="../../../.doc/src/images/up.png" alt="Up"></a><a accesskey="h"
href="../index.html"><img src="../../../doc/src/images/home.png" alt="Home"></a><a accesskey="n"
href="examples.html"><img src="../../../doc/src/images/next.png" alt="Next"></a>
</div>
<div class="section boost typetraits mpl">
<div class="titlepage"><div><div><h2 class="title" style="clear: both">
<a name="boost_typetraits.mpl"></a><a class="link" href="mpl.html" title="MPL Interoperability">MPL
Interoperability</a>
</h2></div></div>
>
  All the value based traits in this library conform to MPL's requirements for
  an <a href="../../../libs/mpl/doc/refmanual/integral-constant.html" target="_top">Integral
  Constant type</a>: that includes a number of rather intrusive workarounds
  for broken compilers.
  Purely as an implementation detail, this means that <code class="computeroutput"><a class="link"
href="reference/integral_constant.html" title="integral_constant">true_type</a></code>
  inherits from <a href="../../../libs/mpl/doc/refmanual/bool.html" target=" top"><code
class="computeroutput"><span class="identifier">boost</span><span class="special">::</span><span
class="identifier">mpl</span><span class="special">::</span><span class="identifier">true </span></code></a>,
  <code class="computeroutput"><a class="link" href="reference/integral_constant.html"</pre>
title="integral_constant">false_type</a></code>
  inherits from <a href="../../../libs/mpl/doc/refmanual/bool.html" target=" top"><code
class="computeroutput"><span class="identifier">boost</span><span class="special">:::</span><span
class="identifier">mpl</span><span class="special">::</span><span class="identifier">false_</span></code></a>,
  and <code class="computeroutput"><a class="link" href="reference/integral_constant.html"
title="integral_constant">integral_constant</a><span class="special"><</span><span
class="identifier">T</span><span class="special">,</span>
  <span class="identifier">v</span><span class="special">></span></code>
  inherits from <a href="../../../libs/mpl/doc/refmanual/integral-c.html" target="_top"><code
class="computeroutput"><span class="identifier">boost</span><span class="special">:::</span><span
class="identifier">mpl</span><span class="special">::</span><span class="identifier">integral_c</span><span
class="special"><</span><span class="identifier">T</span><span class="special">,</span><span
class="identifier">v</span><span class="special">></span></code></a>
```

```
(provided <code class="computeroutput"><span class="identifier">T</span></code> is not <code
class="computeroutput"><span class="keyword">bool</span></code>)
 </div>
<div class="copyright-footer">Copyright &#169; 2000, 2011 Adobe Systems Inc, David
Abrahams.
  Frederic Bron, Steve Cleary, Beman Dawes, Aleksey Gurtovoy, Howard Hinnant,
  Jesse Jones, Mat Marcus, Itay Maman, John Maddock, Alexander Nasonov, Thorsten
  Ottosen, Roman Perepelitsa, Robert Ramey, Jeremy Siek, Robert Stewart and Steven
  Watanabe
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   file LICENSE_1_0.txt or copy at <a href="http://www.boost.org/LICENSE_1_0.txt"
target="_top">http://www.boost.org/LICENSE_1_0.txt</a>)
  </div>
<hr>
<div class="spirit-nav">
<a accesskey="p" href="intrinsics.html"><img src="../../.../doc/src/images/prev.png" alt="Prev"></a><a
accesskey="u" href="../index.html"><img src="../../../.doc/src/images/up.png" alt="Up"></a><a accesskey="h"
href="../index.html"><img src="../../../doc/src/images/home.png" alt="Home"></a><a accesskey="n"
href="examples.html"><img src="../../../doc/src/images/next.png" alt="Next"></a>
</div>
</body>
</html>
[/
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http://www.boost.org/LICENSE_1_0.txt).
[section:mpl MPL Interoperability]
All the value based traits in this library conform to MPL's requirements
for an [@../../../libs/mpl/doc/refmanual/integral-constant.html Integral Constant type]: that includes a number of
rather intrusive
workarounds for broken compilers.
Purely as an implementation detail, this
means that `__true_type` inherits from [@../../../libs/mpl/doc/refmanual/bool.html `boost::mpl::true_`],
`__false_type` inherits
from [@../../../libs/mpl/doc/refmanual/bool.html `boost::mpl::false_`], and `__integral_constant<T, v>` inherits
from
[@../../../libs/mpl/doc/refmanual/integral-c.html `boost::mpl::integral_c<T,v>`] (provided `T` is not `bool`)
```

```
[endsect]
<?xml version="1.0" encoding="utf-8"?>
<!-- Copyright (c) 2001-2006 CrystalClear Software, Inc.
  Subject to the Boost Software License, Version 1.0.
  (See accompanying file LICENSE_1_0.txt or http://www.boost.org/LICENSE_1_0.txt)
-->
<section id="date_time.license">
<title>Boost Date-Time Library License</title>
<bridgehead renderas="sect2">Boost Date-Time Library License</bridgehead>
<!--
<ulink url="../../index.htm">
 <imagedata align="left"
        format="GIF"
    fileref="../../boost.png"
    alt="C++ Boost" />
  </ulink>-->
<!--hr /-->
<para>
 The following is the overall license for the boost date_time
 library. This notice is found in all source files related to the
 library.
</para>
<para>
 Copyright © 2002 CrystalClear Software, Inc.
</para>
<para>
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 and that both that copyright notice and this permission notice
 appear in supporting documentation. CrystalClear Software makes no
 representations about the suitability of this software for any
 purpose. It is provided "as is" without express or implied
 warranty.
</para>
<!--hr / -->
<ulink url="mailto:jeff@crystalclearsoftware.com">Jeff Garland</ulink>
© 2000-2002
</section>
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Copyright 2000-2001, University of Notre Dame.
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```

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```
[article Invalid copyright years
[quickbook 1.5]
[copyright 2010-2001 Timequake man]
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE article PUBLIC "-//Boost//DTD BoostBook XML V1.0//EN"
"http://www.boost.org/tools/boostbook/dtd/boostbook.dtd">
<article id="copyright_test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 $"</pre>
xmlns:xi="http://www.w3.org/2001/XInclude">
<title>Copyright Test</title>
<articleinfo>
 <copyright>
  <year>1963</year> <year>1964der>Jane Doe
 </copyright>
 <copyright>
  <year>2018</year> <holder>Joe Blow, John Coe</holder>
 </copyright>
 <copyright>
  <year>1977</year> <year>1985holder>Someone else/holder>
 </copyright>
</articleinfo>
</article>
[article Copyright Test
[quickbook 1.5]
[copyright 1963-1965 Jane Doe, 2018 Joe Blow, John Coe]
[copyright 1977,1985 Someone else]
[article Invalid copyright
[quickbook 1.5]
[copyright No year]
1
Maybe this should pass?
This is an attempt to acknowledge early contributions to the garbage
collector. Later contributions should instead be mentioned in
README.changes.
HISTORY -
Early versions of this collector were developed as a part of research
projects supported in part by the National Science Foundation
and the Defense Advance Research Projects Agency.
```

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.

The Encore Multimax modifications were supplied by

Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.

Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and

Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?)) and

Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and

Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and

Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.

Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.

Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.

Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to

a Motorola 88K processor running CX/UX (Harris NightHawk).

Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task).

Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.

David Chase, then at Olivetti Research, suggested several improvements.

Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC.

Jesse Hull and John Ellis supplied the C++ interface code.

Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)

This package was debianized by Vladimir Prus <ghost@cs.msu.su> on Wed, 17 July 2002, 19:27:00 +0400.

Copyright:

```
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 \+/
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/*
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* LICENSE_1_0.txt or copy at http://www.boost.org/LICENSE_1_0.txt)
*/
#include "licence_info.hpp"
#include "bcp_imp.hpp"
#include "fileview.hpp"
#include <fstream>
#include <iomanip>
#include <cstring>
#include <stdexcept>
#include <boost/lexical_cast.hpp>
#include <boost/filesystem/operations.hpp>
#include <boost/throw_exception.hpp>
// split_path is a small helper for outputting a path name,
// complete with a link to that path:
struct split_path
 const fs::path& root;
```

```
const fs::path& file;
 split_path(const fs::path& r, const fs::path& f)
   : root(r), file(f){}
private:
 split_path& operator=(const split_path&);
std::ostream& operator << (std::ostream& os, const split_path& p)
os << "<a href=\"" << (p.root / p.file).string() << "\">" << p.file.string() << "</a>";
return os;
std::string make_link_target(const std::string& s)
// convert an arbitrary string into something suitable
// for an <a> name:
 std::string result;
 for(unsigned i = 0; i < s.size(); ++i)
   result.append(1, static_cast<std::string::value_type>(std::isalnum(s[i]) ? s[i] : '_'));
 }
 return result;
void bcp_implementation::output_license_info()
 std::pair<const license_info*, int> licenses = get_licenses();
 std::map<int, license_data>::const_iterator i, j;
i = m_license_data.begin();
j = m_license_data.end();
 std::ofstream os(m_dest_path.string().c_str());
 if(!os)
 {
   std::string msg("Error opening ");
   msg += m_dest_path.string();
   msg += " for output.";
   std::runtime_error e(msg);
   boost::throw_exception(e);
 }
   "<!DOCTYPE HTML PUBLIC \"-//W3C//DTD HTML 4.0 Transitional//EN\">\n"
   "<html>\n"
   "<head>\n"
   "<title>Boost Licence Dependency Information";
```

```
if(m_module_list.size() == 1)
 os << " for " << *(m_module_list.begin());
}
os <<
 "</title>\n"
 "</head>\n"
 "<body>\n"
 "<H1>Boost Licence Dependency Information";
if(m module list.size() == 1)
 os << " for " << *(m_module_list.begin());
}
os <<
 "</H1>\n"
 "<H2>Contents</h2>\n"
 "<a href=\"#input\">Input Information</a>\n";
if(!m bsl summary mode)
 os << "<a href=\"#summary\">Licence Summary</a>\n";
os << "<a href=\"#details\">Licence Details</a>\n";
while(i != j)
 // title:
 os << " <A href=\"#" << make_link_target(licenses.first[i->first].license_name)
   << "\">" << licenses.first[i->first].license name << "</a>\n";
 ++i;
}
os << "<a href=\"#files\">Files with no recognised license</a>\n"
 "<a href=\"#authors\">Files with no recognised copyright holder</a>\n";
if(!m_bsl_summary_mode)
 os <<
 "Moving to the Boost Software License...\n"
 " <a href=\"#bsl-converted\">Files that can be automatically converted to the Boost Software License</a>\n"
 " <a href=\"#to-bsl\">Files that can be manually converted to the Boost Software License</a>\n"
 " <a href=\"#not-to-bsl\">Files that can <b>NOT</b> be moved to the Boost Software License</a>\n"
 " <a href=\"#need-bsl-authors\">Authors we need to move to the Boost Software License</a>\n"
 "<a href=\"#copyright\">Copyright Holder Information</a>\n";
}
os <<
 "<a href=\"#depend\">File Dependency Information</a>\n"
 "";
//
// input Information:
```

```
os << "<a name=\"input\"></a><h2>Input Information</h2>\";
 if(m scan mode)
  os << "<P>The following files were scanned for boost dependencies:<BR>";
  os << "<P>The following Boost modules were checked:<BR>";
 std::list<std::string>::const iterator si = m module list.begin();
 std::list<std::string>::const_iterator sj = m_module_list.end();
 while(si != sj)
  os << *si << "<BR>";
  ++si;
 }
 os << "</p>The Boost path was: <code>" << m_boost_path.string() << "</code></P>";
 // extract the boost version number from the boost directory tree,
 // not from this app (which may have been built from a previous
 // version):
 //
 fileview version_file(m_boost_path / "boost/version.hpp");
 static const boost::regex version regex(
  "[[:blank:]]*#[[:blank:]]*define[[:blank:]]+BOOST_VERSION[[:blank:]]+((d+)");
 boost::cmatch what;
 if(boost::regex_search(version_file.begin(), version_file.end(), what, version_regex))
 {
  int version = boost::lexical cast<int>(what.str(1));
  os << "<p>The Boost version is: " << version / 100000 << "." << version / 100 % 1000 << "." << version % 100
<< "</P>\n";
 }
 //
// output each license:
i = m_license_data.begin();
j = m_license_data.end();
 if(!m_bsl_summary_mode)
 {
  //
  // start with the summary:
  //
  os << "<a name=\"summary\"></a><h2>Licence Summary</h2>\n";
  while(i != i)
  {
    // title:
    os <<
      "<H3>" << licenses.first[i->first].license_name << "</H3>\n";
    // license text:
    os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
```

```
// Copyright holders:
    os << "<P>This license is used by " << i->second.authors.size()
      << " authors and " << i->second.files.size()
      << "files <a href=\"#" << make_link_target(licenses.first[i->first].license_name) << "\">(see details)</a>";
    os << "</P></BLOCKQUOTE>\n";
    ++i;
   }
 }
 // and now the details:
 i = m_license_data.begin();
 j = m_license_data.end();
 int license_index = 0;
 os << "<a name=\"details\"></a><h2>Licence Details</h2>\n";
 while(i != j)
   // title:
   os <<
     "<H3><A name=\"" << make_link_target(licenses.first[i->first].license_name)
    << "\"></a>" << licenses.first[i->first].license_name << "</H3>\n";
  // license text:
   os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
   if(!m_bsl_summary_mode || (license_index >= 3))
   {
    // Copyright holders:
    os << "<P>This license is used by the following " << i->second.authors.size() << " copyright
holders:</P>\n<BLOCKQUOTE><P>";
    std::set<std::string>::const_iterator x, y;
    x = i->second.authors.begin();
    y = i->second.authors.end();
    while(x != y)
      os << *x << "<BR>\n";
      ++x;
    os << "</P></BLOCKQUOTE>\n";
    // Files using this license:
    os << "<P>This license applies to the following " << i->second.files.size() << "
files:</P>\n<BLOCKQUOTE><P>";
    std::set<fs::path, path_less>::const_iterator m, n;
    m = i->second.files.begin();
    n = i->second.files.end();
    while(m != n)
      os << split_path(m_boost_path, *m) << "<br/>br>\n";
      ++m;
     }
```

```
os << "</P></BLOCKQUOTE>\n";
   }
   else
   {
    os << "<P>This license is used by " << i->second.authors.size() << " authors (list omitted for brevity).</P>\n";
    os << "<P>This license applies to " << i->second.files.size() << " files (list omitted for brevity).</P>\n";
   ++license_index;
   ++i;
 }
 //
 // Output list of files not found to be under license control:
 os << "<h2><a name=\"files\"></a>Files With No Recognisable Licence</h2>\n"
   "<P>The following " << m_unknown_licenses.size() << " files had no recognisable license
information:</P><BLOCKQUOTE><P>\n";
 std::set<fs::path, path_less>::const_iterator i2, j2;
 i2 = m unknown licenses.begin();
 j2 = m_unknown_licenses.end();
 while(i2!=j2)
  os << split_path(m_boost_path, *i2) << "<br>\n";
   ++i2;
 os << "</p></BLOCKQUOTE>";
 // Output list of files with no found copyright holder:
 //
 os << "<h2><a name=\"authors\"></a>Files With No Recognisable Copyright Holder</h2>\n"
   "<P>The following " << m_unknown_authors.size() << " files had no recognisable copyright
holder:</P>\n<BLOCKQUOTE><P>";
 i2 = m_unknown_authors.begin();
 j2 = m_unknown_authors.end();
 while(i2!=j2)
  os << split_path(m_boost_path, *i2) << "<br>\n";
   ++i2:
 os << "</p></BLOCKQUOTE>";
 if(!m_bsl_summary_mode)
 {
  // Output list of files that have been moved over to the Boost
  // Software License, along with enough information for human
   // verification.
   //
   os << "<h2><a name=\"bsl-converted\"></a>Files that can be automatically converted to the Boost Software
License</h2>\n"
```

```
<< "<P>The following " << m_converted_to_bsl.size() << " files can be automatically converted to the Boost
Software License, but require manual verification before they can be committed to CVS:</P>\n";
  if (!m_converted_to_bsl.empty())
    typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
      ::const_iterator conv_iterator;
    conv iterator i = m converted to bsl.begin(),
             ie = m_converted_to_bsl.end();
    int file_num = 1;
    while (i != ie)
      os << "<P>[" << file_num << "] File: <tt>" << split_path(m_boost_path, i->first)
        << "</tt><br>\n\n <tr>\n <td><pre>"
        << i->second.first << "</pre>\n "
        << i->second.second << "</pre></td>\n </tr>\n</table>\n";
      ++i:
      ++file_num;
  }
  //
  // Output list of files that could be moved over to the Boost Software License
  //
  os << "<h2><a name=\"to-bsl\"></a>Files that could be converted to the Boost Software License</h2>\n"
  "<P>The following " << m can migrate to bsl.size() << " files could be manually converted to the Boost
Software License, but have not yet been:</P>\n<BLOCKQUOTE><P>";
  i2 = m can migrate to bsl.begin();
  j2 = m_can_migrate_to_bsl.end();
  while(i2!=j2)
    os << split_path(m_boost_path, *i2) << "<br>\n";
    ++i2;
  os << "</p></BLOCKQUOTE>";
  //
  // Output list of files that can not be moved over to the Boost Software License
  os << "<h2><a name=\"not-to-bsl\"></a>Files that can NOT be converted to the Boost Software
License</h2>\n"
   "<P>The following " << m_cannot_migrate_to_bsl.size() << " files cannot be converted to the Boost Software
License because we need the permission of more authors:</P>\n<BLOCKQUOTE><P>";
  i2 = m_cannot_migrate_to_bsl.begin();
  j2 = m_cannot_migrate_to_bsl.end();
  while(i2 != j2)
    os << split_path(m_boost_path, *i2) << "<br/>br>\n";
    ++i2;
  os << "</p></BLOCKQUOTE>";
```

```
// Output list of authors that we need permission for to move to the BSL
  os << "<h2><a name=\"need-bsl-authors\"></a>Authors we need for the BSL</h2>\n"
    "<P>Permission of the following authors is needed before we can convert to the Boost Software License. The
list of authors that have given their permission is contained in <code>more/blanket-
permission.txt</code>.</P>\n<BLOCKQUOTE><P>";
  std::copy(m_authors_for_bsl_migration.begin(), m_authors_for_bsl_migration.end(),
        std::ostream_iterator<std::string>(os, "<br>\n"));
  os << "</p></BLOCKQUOTE>";
  //
  // output a table of copyright information:
  //
  os << "<H2><a name=\"copyright\"></a>Copyright Holder Information</H2>\n";
  std::map<std::string, std::set<fs::path, path_less> >::const_iterator ad, ead;
  ad = m author data.begin();
  ead = m_author_data.end();
  while(ad != ead)
  {
    os << "<tr>" << ad->first << "</td>";
    std::set<fs::path, path less>::const iterator fi, efi;
    fi = ad->second.begin();
    efi = ad->second.end();
    while(fi != efi)
      os << split path(m boost path, *fi) << " ";
    }
    os << "\n";
    ++ad;
  }
  os << "</table>\n";
 //
 // output file dependency information:
 //
 os << "<H2><a name=\"depend\"></a>File Dependency Information</H2><BLOCKQUOTE>\n";
 std::map<fs::path, fs::path, path_less>::const_iterator dep, last_dep;
 std::set<fs::path, path_less>::const_iterator fi, efi;
 fi = m_copy_paths.begin();
 efi = m_copy_paths.end();
 // if in summary mode, just figure out the "bad" files and print those only:
 std::set<fs::path, path_less> bad_paths;
 if(m_bsl_summary_mode)
 {
  bad_paths.insert(m_unknown_licenses.begin(), m_unknown_licenses.end());
```

bad_paths.insert(m_unknown_authors.begin(), m_unknown_authors.end());

```
bad_paths.insert(m_can_migrate_to_bsl.begin(), m_can_migrate_to_bsl.end());
 bad_paths.insert(m_cannot_migrate_to_bsl.begin(), m_cannot_migrate_to_bsl.end());
 typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
   ::const_iterator conv_iterator;
 conv_iterator i = m_converted_to_bsl.begin(),
           ie = m_converted_to_bsl.end();
 while(i != ie)
   bad_paths.insert(i->first);
   ++i:
 fi = bad_paths.begin();
 efi = bad_paths.end();
 os << "<P>For brevity, only files not under the BSL are shown</P>\n";
while(fi != efi)
 os << split path(m boost path, *fi);
 dep = m_dependencies.find(*fi);
 last_dep = m_dependencies.end();
 std::set<fs::path, path_less> seen_deps;
 if (dep != last_dep)
  while(true)
     os << " -> ";
     if(fs::exists(m_boost_path / dep->second))
      os << split_path(m_boost_path, dep->second);
     else if(fs::exists(dep->second))
      os << split_path(fs::path(), dep->second);
      os << dep->second.string();
     if(seen_deps.find(dep->second) != seen_deps.end())
       os << " <I>(Circular dependency!)</I>";
       break; // circular dependency!!!
     seen_deps.insert(dep->second);
     last_dep = dep;
     dep = m_dependencies.find(dep->second);
     if((dep == m\_dependencies.end()) \parallel (0 == compare\_paths(dep->second, last\_dep->second)))
      break;
    }
 os \ll "\n";
 ++fi;
os << "</pre></BLOCKQUOTE>\n";
os << "</body></html>\n";
```

```
if(!os)
  std::string msg("Error writing to ");
  msg += m_dest_path.string();
  msg += ".";
  std::runtime_error e(msg);
  boost::throw_exception(e);
Index: boost/mpl/print.hpp
--- boost/mpl/print.hpp (revision 83411)
+++ boost/mpl/print.hpp (working copy)
@@ -45,22 +45,21 @@
  : mpl::identity<T>
#if defined(__MWERKS__)
  , aux::print_base
-#endif
+#endif
#if defined(BOOST_MSVC)
  enum { n = sizeof(T) + -1 };
#elif defined(__MWERKS__)
  void f(int);
-#else
- enum {
     n =
-# if defined(__EDG_VERSION__)
       aux::dependent_unsigned<T>::value > -1
-# else
       sizeof(T) > -1
-# endif
     };
-#endif
+#elif defined(__EDG_VERSION__)
+ enum { n = aux::dependent_unsigned<T>::value > -1 };
+#elif defined(BOOST_GCC)
+ enum { n1 };
+ enum { n2 };
+ enum { n = n1 != n2 };
+#else
+ enum { n = sizeof(T) > -1 };
+#endif
};
#if defined(BOOST_MSVC)
```

1.32 boost-program-options 1.53.0 :25.el7

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```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE article PUBLIC "-//Boost//DTD BoostBook XML V1.0//EN"
"http://www.boost.org/tools/boostbook/dtd/boostbook.dtd">
<article id="copyright test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 $"
xmlns:xi="http://www.w3.org/2001/XInclude">
<title>Copyright Test</title>
<articleinfo>
 <copyright>
  <year>1963</year> <year>1964der>1965</p
 </copyright>
 <copyright>
  <year>2018</year> <holder>Joe Blow, John Coe</holder>
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  <year>1977</year> <year>1985/holder>
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```

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.

The Encore Multimax modifications were supplied by

Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.

Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk)

subsequently provided updates and information on variation between ULTRIX

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Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and

Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?)) and

Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader

specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and

Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and

Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.

Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.

Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.

Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to

a Motorola 88K processor running CX/UX (Harris NightHawk).

Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to

nonIBM development environments (a nontrivial task).

Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.

David Chase, then at Olivetti Research, suggested several improvements.

 $Scott\ Schwartz\ (schwartz\ @\ groucho.cse.psu.edu)\ supplied\ some\ of\ the$

code to save and print call stacks for leak detection on a SPARC.

Jesse Hull and John Ellis supplied the C++ interface code.

Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)

This package was debianized by Vladimir Prus <ghost@cs.msu.su> on Wed, 17 July 2002, 19:27:00 +0400.

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Go support for Protocol Buffers - Google's data interchange format

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Go support for Protocol Buffers - Google's data interchange format

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Support for streaming Protocol Buffer messages for the Go language (golang).

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1.56 createrepo 0.9.9 :28.el7

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1.57 cyrus-sasl 2.1.26

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1.62 Eclipse GEF 3.11.0

1.63 Eclipse Graphical Modeling Framework

1.9.0

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```
IBM Corporation - initial API and implementation
************************************
package org.eclipse.gmf.runtime.emf.core.clipboard;
import java.util.HashMap;
import java.util.Map;
import org.eclipse.emf.common.util.EList;
import org.eclipse.emf.common.util.URI;
import org.eclipse.emf.ecore.EObject;
import org.eclipse.emf.ecore.EPackage.Registry;
import org.eclipse.emf.ecore.resource.Resource;
import org.eclipse.emf.ecore.resource.ResourceSet;
import org.eclipse.emf.ecore.resource.URIConverter;
import org.eclipse.emf.ecore.resource.impl.ResourceSetImpl;
import org.eclipse.gmf.runtime.common.core.util.Trace;
import org.eclipse.gmf.runtime.emf.core.internal.plugin.EMFCoreDebugOptions;
import\ org.eclipse.gmf.runtime.emf.core.internal.plugin.EMFCorePlugin;
/**
* @author Yasser Lulu
public class CopyingResourceSet
extends ResourceSetImpl {
private ResourceSetImpl mslResourceSet;
private Map resourcesMap;
/**
 *
public CopyingResourceSet(ResourceSet resourceSet) {
 mslResourceSet = (ResourceSetImpl) resourceSet;
 resourcesMap = new HashMap();
 setURIResourceMap(new HashMap());
}
public Map getResourcesMap() {
 return resourcesMap;
}
/* (non-Javadoc)
 * @see org.eclipse.emf.ecore.resource.ResourceSet#getEObject(org.eclipse.emf.common.util.URI, boolean)
```

```
public EObject getEObject(URI uri, boolean loadOnDemand) {
EObject eObject = mslResourceSet.getEObject(uri, loadOnDemand);
if (eObject == null) {
 return super.getEObject(uri, loadOnDemand);
return eObject;
}
/* (non-Javadoc)
* @see org.eclipse.emf.ecore.resource.ResourceSet#getResource(org.eclipse.emf.common.util.URI, boolean)
public Resource getResource(URI uri, boolean loadOnDemand) {
Resource resource = mslResourceSet.getResource(uri, loadOnDemand);
if (resource == null) {
 return super.getResource(uri, loadOnDemand);
}
return resource;
/* (non-Javadoc)
* @see org.eclipse.emf.ecore.resource.impl.ResourceSetImpl#getURIResourceMap()
public Map getURIResourceMap() {
return mslResourceSet.getURIResourceMap();
}
/* (non-Javadoc)
* @see org.eclipse.emf.ecore.resource.impl.ResourceSetImpl#createResource(org.eclipse.emf.common.util.URI)
public Resource createResource(URI uri) {
throwUnsupportedOperationException("createResource",//$NON-NLS-1$
 new UnsupportedOperationException(
 "Can't create resources on MSLCopyingResourceSet"));//$NON-NLS-1$
return null:
}
/* (non-Javadoc)
* @see org.eclipse.emf.common.notify.impl.BasicNotifierImpl#eNotificationRequired()
public boolean eNotificationRequired() {
return false;
}
private void throwUnsupportedOperationException(String methodName,
UnsupportedOperationException ex) {
```

```
Trace.throwing(EMFCorePlugin.getDefault(),
 EMFCoreDebugOptions.EXCEPTIONS_THROWING, getClass(), methodName, ex);
 throw ex;
}
/* (non-Javadoc)
 * @see org.eclipse.emf.ecore.resource.impl.ResourceSetImpl#getAdapterFactories()
public EList getAdapterFactories() {
 return mslResourceSet.getAdapterFactories();
/* (non-Javadoc)
 * @see org.eclipse.emf.ecore.resource.impl.ResourceSetImpl#getLoadOptions()
public Map getLoadOptions() {
 return mslResourceSet.getLoadOptions();
/* (non-Javadoc)
 * @ see org.eclipse.emf.ecore.resource.impl.ResourceSetImpl#getPackageRegistry()
public Registry getPackageRegistry() {
 return mslResourceSet.getPackageRegistry();
}
/* (non-Javadoc)
 * @see org.eclipse.emf.ecore.resource.impl.ResourceSetImpl#getResourceFactoryRegistry()
public org.eclipse.emf.ecore.resource.Resource.Factory.Registry getResourceFactoryRegistry() {
 return mslResourceSet.getResourceFactoryRegistry();
}
/* (non-Javadoc)
 * @see org.eclipse.emf.ecore.resource.impl.ResourceSetImpl#getURIConverter()
public URIConverter getURIConverter() {
 return mslResourceSet.getURIConverter();
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```

```
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package org.eclipse.gmf.runtime.emf.core.clipboard;
import java.io.IOException;
import java.io.InputStream;
import java.util.Iterator;
import java.util.Map;
import org.eclipse.emf.common.util.EList;
import org.eclipse.emf.common.util.URI;
import org.eclipse.emf.ecore.EObject;
import org.eclipse.emf.ecore.EStructuralFeature;
import org.eclipse.emf.ecore.InternalEObject;
import org.eclipse.emf.ecore.resource.Resource;
import org.eclipse.emf.ecore.resource.ResourceSet;
import org.eclipse.emf.ecore.util.EcoreUtil;
import org.eclipse.emf.ecore.util.InternalEList;
import org.eclipse.emf.ecore.xmi.XMLHelper;
import org.eclipse.emf.ecore.xmi.XMLLoad;
import org.eclipse.emf.ecore.xmi.XMLResource;
import org.eclipse.emf.ecore.xmi.XMLSave;
import org.eclipse.emf.ecore.xmi.impl.XMIHelperImpl;
import org.eclipse.emf.ecore.xmi.impl.XMIResourceImpl;
import org.eclipse.emf.ecore.xmi.impl.XMISaveImpl;
import org.eclipse.gmf.runtime.common.core.util.Trace;
import org.eclipse.gmf.runtime.emf.core.internal.plugin.EMFCoreDebugOptions;
import org.eclipse.gmf.runtime.emf.core.internal.plugin.EMFCorePlugin;
import org.eclipse.gmf.runtime.emf.core.internal.util.EMFCoreConstants;
/**
* @author Yasser Lulu
public class CopyingResource
extends XMIResourceImpl {
private XMLResource xmlResource;
private CopyingResourceSet copyingResourceSet;
public CopyingResource(XMLResource resource, URI uri,
 CopyingResourceSet copyingResourceSet) {
 this(resource, uri, copyingResourceSet, true);
}
public CopyingResource(XMLResource resource, URI uri,
```

CopyingResourceSet copyingResourceSet, boolean regenerateIds) {

```
super(uri);
this.xmlResource = resource;
this.copyingResourceSet = copyingResourceSet;
setEncoding(resource.getEncoding());
//needed to allow calls to unload() to proceed
setLoaded(true);
getDefaultSaveOptions().putAll(resource.getDefaultSaveOptions());
copyingResourceSet.getResources().add(this);
copyingResourceSet.getResourcesMap().put(resource, this);
if (regenerateIds) {
 createNewIDs();
} else {
 copyIDs();
/**
*/
private void createNewIDs() {
// OK to get all contents because we have to copy
// the entire model content of this resource
Iterator\ it = getXMLResource().getAllContents();
while (it.hasNext()) {
 setID((EObject) it.next(), EcoreUtil.generateUUID());
}
}
protected XMLLoad createXMLLoad() {
throwUnsupportedOperationException("createXMLLoad", //$NON-NLS-1$
 new UnsupportedOperationException(
 "Can't call load on CopyingResource resource"));//$NON-NLS-1$
return null;
}
protected XMLHelper createXMLHelper() {
return new CopyingHelper(this);
}
protected void unloaded(InternalEObject internalEObject) {
//disable parent
}
/**
* @see org.eclipse.emf.common.notify.impl.NotifierImpl#eNotificationRequired()
*/
public boolean eNotificationRequired() {
return false;
```

```
}
private void throwUnsupportedOperationException(String methodName,
 UnsupportedOperationException ex) {
Trace.throwing(EMFCorePlugin.getDefault(),
 EMFCoreDebugOptions.EXCEPTIONS_THROWING, getClass(), methodName, ex);
throw ex;
}
/**
* @return Returns the resourcesMap.
private Map getResourcesMap() {
return getMslCopyingResourceSet().getResourcesMap();
public void doLoad(InputStream inputStream, Map options)
throws IOException {
throwUnsupportedOperationException("doLoad", //$NON-NLS-1$
 new UnsupportedOperationException(
 "Can't call load on CopyingResource resource"));//$NON-NLS-1$
}
protected XMLSave createXMLSave() {
return new CopyingSave(createXMLHelper());
}
private boolean isInResource(EObject eObject) {
// in case of cross-resource containment, the 'eObject' may be in a
    different resource than xmlResource, though one of its containers
//
    may be
while (eObject != null) {
 if (((InternalEObject) eObject).eDirectResource() == getXMLResource()) {
 return true;
 eObject = eObject.eContainer();
return false;
}
public EList getContents() {
return getXMLResource().getContents();
}
/**
* @see org.eclipse.emf.ecore.resource.impl.ResourceImpl#doUnload()
```

```
protected void doUnload() {
//disable parent's
}
public EObject getEObject(String uriFragment) {
int index = uriFragment.indexOf('?');
if (-1 != index) {
 uriFragment = uriFragment.substring(0, index);
}
return super.getEObject(uriFragment);
/**
* Returns the object based on the fragment as an ID.
protected EObject getEObjectByID(String id) {
EObject eObj = getXMLResource().getEObject(id);
if (eObj == null) {
 return super.getEObjectByID(id);
return eObj;
}
/**
* @return Returns the CopyingResourceSet.
public CopyingResourceSet getMslCopyingResourceSet() {
return copyingResourceSet;
* (non-Javadoc)
* @see org.eclipse.emf.ecore.resource.impl.ResourceImpl#getResourceSet()
public ResourceSet getResourceSet() {
return getMslCopyingResourceSet();
* (non-Javadoc)
* @see org.eclipse.emf.ecore.resource.Resource.Internal#attached(org.eclipse.emf.ecore.EObject)
public void attached(EObject eObject) {
//disable
}
```

```
* (non-Javadoc)
* @see org.eclipse.emf.ecore.resource.Resource.Internal#detached(org.eclipse.emf.ecore.EObject)
public void detached(EObject eObject) {
//disable
* (non-Javadoc)
* @see org.eclipse.emf.ecore.xmi.XMLResource#getEObjectToExtensionMap()
public Map getEObjectToExtensionMap() {
return getXMLResource().getEObjectToExtensionMap();
* (non-Javadoc)
* @ see \ org.eclipse.emf.ecore.resource.Resource\#isTrackingModification() \\
public boolean isTrackingModification() {
return false:
private void copyIDs() {
// OK to get all contents because we have to copy
// the entire model content of this resource
XMLResource lastRes = null;
for (Iterator iter = getXMLResource().getAllContents(); iter.hasNext(); ) {
 InternalEObject eObject = (InternalEObject)iter.next();
 if (eObject.eDirectResource() != null) {
 // ensure that we only ask the resource that actually contains
     an object for that object's ID
 lastRes = (XMLResource) eObject.eDirectResource();
 }
 getEObjectToIDMap().put(eObject, lastRes.getID(eObject));
 getIDToEObjectMap().put(lastRes.getID(eObject), eObject);
/**
```

```
* Gets the XML resource that contains the model content to be copied.
* @return the XML resource
protected XMLResource getXMLResource() {
return xmlResource;
}
/**
* Helper implementation for the CopyingResource.
protected class CopyingHelper extends XMIHelperImpl {
public CopyingHelper() {
 super();
 }
public CopyingHelper(XMLResource resource) {
   super(resource);
}
/**
 * @ see org.eclipse.emf.ecore.xmi.XMLHelper#deresolve(org.eclipse.emf.common.util.URI)
public URI deresolve(URI anUri) {
 // if this both target and container are within a platform resource and
 // projects
 // or plugins are different then do not deresolve.
 if (((EMFCoreConstants.PLATFORM_SCHEME.equals(anUri.scheme())) &&
(EMFCoreConstants.PLATFORM_SCHEME
  .equals(resourceURI.scheme())))
  && ((anUri.segmentCount() > 2) && (resourceURI.segmentCount() > 2))
  && ((!anUri.segments()[0].equals(resourceURI.segments()[0])) || (!anUri
  .segments()[1].equals(resourceURI.segments()[1]))))
  return anUri;
 return super.deresolve(anUri);
 }
 * (non-Javadoc)
 * @see org.eclipse.emf.ecore.xmi.impl.XMLHelperImpl#getHREF(org.eclipse.emf.ecore.EObject)
public String getHREF(EObject obj) {
 EObject eObj = obj;
```

```
if (obj.eIsProxy()) {
 eObj = EcoreUtil.resolve(obj, getXMLResource());
 if (eObj == obj) {
 // use super.getHREF() if we can't resolve the proxy
  eObj = null;
 }
 if (eObj != null) {
 Resource resource = eObj.eResource();
 if (resource != null) {
  URI objectURI = getHREF(resource, eObj);
  objectURI = deresolve(objectURI);
  return objectURI.toString();
 }
return super.getHREF(obj);
}
protected URI getHREF(Resource otherResource, EObject obj) {
 if (!(otherResource instanceof CopyingResource)) {
 CopyingResource copyingResource = (CopyingResource) getResourcesMap()
  .get(otherResource);
 if (copyingResource != null) {
  otherResource = copyingResource;
 }
 return super.getHREF(otherResource, obj);
}
};
/**
* Save implementation for the CopyingResource.
public class CopyingSave extends XMISaveImpl {
public CopyingSave(XMLHelper helper) {
 super(helper);
}
public CopyingSave(Map options, XMLHelper helper, String encoding) {
 super(options, helper, encoding);
}
public CopyingSave(Map options, XMLHelper helper, String encoding,
 String xmlVersion) {
```

```
super(options, helper, encoding, xmlVersion);
/**
 * @see org.eclipse.emf.ecore.xmi.impl.XMLSaveImpl#sameDocMany(org.eclipse.emf.ecore.EObject,
     org.eclipse.emf.ecore.EStructuralFeature)
protected int sameDocMany(EObject o, EStructuralFeature f) {
 InternalEList values = (InternalEList) helper.getValue(o, f);
 if (values.isEmpty()) {
 return SKIP;
 for (Iterator i = values.basicIterator(); i.hasNext();) {
 EObject value = (EObject) i.next();
 if (value.eIsProxy() || (isInResource(value) == false)) {
  return CROSS_DOC;
 }
 return SAME DOC;
}
/**
 * @see org.eclipse.emf.ecore.xmi.impl.XMLSaveImpl#sameDocSingle(org.eclipse.emf.ecore.EObject,
     org.eclipse.emf.ecore.EStructuralFeature)
protected int sameDocSingle(EObject o, EStructuralFeature f) {
 EObject value = (EObject) helper.getValue(o, f);
 if (value == null) {
 return SKIP;
 } else if (value.eIsProxy()) {
 return CROSS_DOC;
 } else {
 return (isInResource(value)) ? SAME_DOC
 : CROSS_DOC;
 }
}
};
```

1.64 Eclipse Modeling Framework (EMF) 2.13.0

1.65 Eclipse OCL 1.3.0 :v200905271400

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package org.eclipse.equinox.p2.metadata;
import java.net.URI;
/**
* The <code>ILicense</code> interface represents a software license. A license has required body text
* which may be the full text or an annotation. An optional URL field can be specified
* which links to full text. Licenses can be easily compared using their digests.
* Licenses can be added to arbitrary installable units, and will typically be displayed to
* end users and require explicit agreement before installation proceeds.
* 
* Instances of this class are handle objects and do not necessarily
* reflect entities that exist in any particular profile or repository. These handle
* objects can be created using {@link MetadataFactory}.
* 
* @noimplement This interface is not intended to be implemented by clients.
* @noextend This interface is not intended to be extended by clients.
* @since 2.0
public interface ILicense {
/**
 * Returns the location of a document containing the full license.
 * @return the location of the license document, or <code>null</code>
public URI getLocation();
 * Returns the license body.
 * @return the license body, never <code>null</code>
public String getBody();
```

```
/**
 * Returns the message digest of the license body. The digest is calculated on a normalized
 * version of the license where all whitespace has been reduced to one space.
 * @return the message digest as a <code>BigInteger</code>, never <code>null</code>
public String getUUID();
 * Returns whether this license is equal to the given object.
 * This method returns <i>true</i> if:
 * Both this object and the given object are of type ILicense
 * The result of <b>getDigest()</b> on both objects are equal
 * 
 */
public boolean equals(Object obj);
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****************************
package org.eclipse.equinox.internal.p2.metadata;
import java.io.UnsupportedEncodingException;
import java.math.BigInteger;
import java.net.URI;
import java.security.MessageDigest;
import java.security.NoSuchAlgorithmException;
import org.eclipse.equinox.p2.metadata.ILicense;
* The <code>License</code> class represents a software license. A license has required body text
* which may be the full text or an annotation. An optional URL field can be specified
* which links to full text. Licenses can be easily compared using their digests.
*/
public class License implements ILicense {
```

```
* The <code>body</code> contains the descriptive text for the license. This may
* be a summary for a full license specified in a URL.
*/
private final String body;
/**
* The <code>location</code> is the URL of the license.
private URI location;
/**
* The <code>digest</code> is the cached message digest of the normalized body
private String digest;
/**
* Creates a new license object which is identified by users using the <code>body</code> field.
* The body should contain either the full text of the license or an summary for a license
* fully specified in the given location.
* @param location the location of a document containing the full license, or <code>null</code>
* @param body the license body, cannot be <code>null</code>
* @throws IllegalArgumentException when the <code>body</code> is <code>null</code>
public License(URI location, String body, String uuid) {
if (body == null)
 throw new IllegalArgumentException("body cannot be null"); //$NON-NLS-1$
this.body = body;
this.location = location;
this.digest = uuid;
}
* Returns the location of a document containing the full license.
* @return the location of the license document, or <code>null</code>
public URI getLocation() {
return location;
}
/**
* Returns the license body.
* @return the license body, never <code>null</code>
public String getBody() {
return body;
}
```

```
/**
* Returns the message digest of the license body. The digest is calculated on a normalized
* version of the license where all whitespace has been reduced to one space.
* @return the message digest as a <code>BigInteger</code>, never <code>null</code>
public synchronized String getUUID() {
if (digest == null)
 digest = calculateLicenseDigest().toString(16);
return digest;
/* (non-Javadoc)
* @see java.lang.Object#equals(java.lang.Object)
public boolean equals(Object obj) {
if (obj == this)
 return true:
if (obj == null)
 return false;
if (obj instanceof ILicense) {
 ILicense other = (ILicense) obj;
 if (other.getUUID().equals(getUUID()))
 return true;
return false;
}
/* (non-Javadoc)
* @see java.lang.Object#hashCode()
public int hashCode() {
return getUUID().hashCode();
}
private BigInteger calculateLicenseDigest() {
String message = normalize(getBody());
try {
 MessageDigest algorithm = MessageDigest.getInstance("MD5"); //$NON-NLS-1$
 algorithm.reset();
 algorithm.update(message.getBytes("UTF-8")); //$NON-NLS-1$
 byte[] digestBytes = algorithm.digest();
 return new BigInteger(1, digestBytes);
} catch (NoSuchAlgorithmException e) {
 throw new RuntimeException(e);
} catch (UnsupportedEncodingException e) {
 throw new RuntimeException(e);
```

```
}
}
/**
 * Replace all sequences of whitespace with a single whitespace character.
private String normalize(String license) {
 String text = license.trim();
 StringBuffer result = new StringBuffer();
 int length = text.length();
 for (int i = 0; i < length; i++) {
 char c = text.charAt(i);
 boolean foundWhitespace = false;
 while (Character.isWhitespace(c) && i < length) {
  foundWhitespace = true;
  c = text.charAt(++i);
 if (foundWhitespace)
  result.append(' ');
 if (i < length)
  result.append(c);
 }
 return result.toString();
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package org.eclipse.equinox.internal.p2.metadata;
import java.net.URI;
import org.eclipse.equinox.p2.metadata.ICopyright;
* The <code>Copyright</code> class represents a software copyright. A copyright has
* required body text which may be the full text or a summary. An optional location field can be specified
* which links to full text.
public class Copyright implements ICopyright {
 * The <code>body</code> contains the descriptive text for the copyright. This may
```

```
* be a summary for a copyright specified in a URL.
private final String body;
/**
 * The <code>location</code> is the location of a document containing a copyright notice.
private URI location;
/**
 * Creates a new copyright. The body must contain the full text of the copyright.
 * @param location the location of a document containing the copyright notice, or <code>null</code>
 * @param body the copyright body, cannot be <code>null</code>
 * @throws IllegalArgumentException when the <code>body</code> is <code>null</code>
public Copyright(URI location, String body) {
 if (body == null)
 throw new IllegalArgumentException("body cannot be null"); //$NON-NLS-1$
 this.location = location;
 this.body = body;
}
/**
 * Returns the location of a document containing the copyright notice.
 * @return The location of the copyright notice, or <code>null</code>
public URI getLocation() {
 return location;
}
/**
 * Returns the license body.
 * @return the license body, never <code>null</code>
public String getBody() {
 return body;
}
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```
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package org.eclipse.text.edits;
import org.eclipse.jface.text.BadLocationException;
import org.eclipse.jface.text.IDocument;
/**
* A <code>CopyingRangeMarker</code> can be used to track positions when executing
* text edits. Additionally a copying range marker stores a local copy of the
* text it captures when it gets executed.
* @since 3.0
public final class CopyingRangeMarker extends TextEdit {
private String fText;
 * Creates a new <tt>CopyRangeMarker</tt> for the given
 * offset and length.
 * @param offset the marker's offset
 * @param length the marker's length
public CopyingRangeMarker(int offset, int length) {
 super(offset, length);
}
 * Copy constructor
private CopyingRangeMarker(CopyingRangeMarker other) {
 super(other);
 fText= other.fText;
}
@Override
protected TextEdit doCopy() {
 return new CopyingRangeMarker(this);
}
@Override
protected void accept0(TextEditVisitor visitor) {
 boolean visitChildren= visitor.visit(this);
 if (visitChildren) {
```

acceptChildren(visitor);

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1.67 ehcache-core 2.6.0

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1.68 error-prone-annotations 2.1.3

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41.589 26.888 83.692 78.277 83.692 32.657 0 56.843-19.039 65.726-27.225 5.27-4.857 13.596-4.039 17.82

1.72 fontconfig 2.10.95 :11.el7

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1.76 geronimo-specifications 1.4

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Version 2, December 2004

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compiler/cpp/src/main.cc

compiler/cpp/src/parse/t_field.h

compiler/cpp/src/parse/t_program.h

compiler/cpp/src/platform.h

compiler/cpp/src/thriftl.ll

compiler/cpp/src/thrifty.yy

lib/csharp/src/Protocol/TBinaryProtocol.cs

lib/csharp/src/Protocol/TField.cs

lib/csharp/src/Protocol/TList.cs

lib/csharp/src/Protocol/TMap.cs

lib/csharp/src/Protocol/TMessage.cs

lib/csharp/src/Protocol/TMessageType.cs

lib/csharp/src/Protocol/TProtocol.cs

lib/csharp/src/Protocol/TProtocolException.cs

lib/csharp/src/Protocol/TProtocolFactory.cs

lib/csharp/src/Protocol/TProtocolUtil.cs

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lib/csharp/src/Transport/TTransportException.cs

lib/csharp/src/Transport/TTransportFactory.cs

lib/csharp/ThriftMSBuildTask/Properties/AssemblyInfo.cs

lib/csharp/ThriftMSBuildTask/ThriftBuild.cs

lib/csharp/ThriftMSBuildTask/ThriftMSBuildTask.csproj lib/rb/lib/thrift.rb lib/st/README lib/st/thrift.st test/OptionalRequiredTest.cpp test/OptionalRequiredTest.thrift test/ThriftTest.thrift For the aclocal/ax boost base.m4 and contrib/fb303/aclocal/ax boost base.m4 components: # Copyright (c) 2007 Thomas Porschberg <thomas@randspringer.de> # Copying and distribution of this file, with or without # modification, are permitted in any medium without royalty provided # the copyright notice and this notice are preserved. For the compiler/cpp/src/md5.[ch] components: Copyright (C) 1999, 2000, 2002 Aladdin Enterprises. All rights reserved. This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software. Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions: 1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required. 2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software. 3. This notice may not be removed or altered from any source distribution. L. Peter Deutsch ghost@aladdin.com */ For the lib/rb/setup.rb: Copyright (c) 2000-2005 Minero Aoki,

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cli.go - https://github.com/codegangsta/cli

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1.82 hibernate 3.6.3 :Final-Cisco-Patched-1

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/*

* Hibernate, Relational Persistence for Idiomatic Java

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1.87 influxdb 1.4.2 :6d2685d

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List

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- $-collectd.org\ [ISC\ LICENSE] (https://github.com/collectd/go-collectd/blob/master/LICENSE)$
- $github.com/BurntSushi/toml \ [MIT\ LICENSE] (https://github.com/BurntSushi/toml/blob/master/COPYING)$
- github.com/bmizerany/pat [MIT LICENSE](https://github.com/bmizerany/pat#license)
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1.88 j2objc-annotations 1.1

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```
k rel="apple-touch-icon" sizes="180x180" href="/favicons/apple-touch-icon-180x180.png">
k rel="icon" type="image/png" href="/favicons/favicon-32x32.png" sizes="32x32">
type="image/png" href="/favicons/favicon-194x194.png" sizes="194x194">
k rel="icon" type="image/png" href="/favicons/favicon-96x96.png" sizes="96x96">
type="image/png" href="/favicons/android-chrome-192x192.png" sizes="192x192">
k rel="icon" type="image/png" href="/favicons/favicon-16x16.png" sizes="16x16">
<link rel="manifest" href="/favicons/manifest.json">
<link rel="shortcut icon" href="/favicons/favicon.ico">
<meta name="msapplication-TileColor" content="#603cba">
<meta name="msapplication-TileImage" content="/favicons/mstile-144x144.png">
<meta name="msapplication-config" content="/favicons/browserconfig.xml">
<meta name="theme-color" content="#303284">
<title>Apache License, Version 2.0</title>
k href='https://fonts.googleapis.com/css?family=Source+Sans+Pro:400,700%7cDroid+Serif:400,700
rel='stylesheet' type='text/css'>
<link href="/css/min.bootstrap.css" rel="stylesheet">
<link href="/css/styles.css" rel="stylesheet">
```

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```
</head>
<body>
<!-- Navigation -->
<header>
<nav class="navbar navbar-default navbar-fixed-top">
 <div class="container">
   <div class="navbar-header">
    <button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">
     <span class="sr-only">Toggle navigation</span>
     <span class="icon-bar"></span>
     <span class="icon-bar"></span>
     <span class="icon-bar"></span>
    </button>
    <a href="#" class="navbar-brand"><span class="glyphicon glyphicon-home"></span></a>
  <div class="collapse navbar-collapse" id="mainnav-collapse">
    <div style="line-height:20px; padding-top:5px; float:left"><a href="/">Home</a>&nbsp;&raquo&nbsp;<a</pre>
href="/licenses/">Licenses</a></div>
    ul class="nav navbar-nav navbar-right">
```

```
cli class="dropdown">
    <a href="#" class="dropdown-toggle" data-toggle="dropdown">About <span class="caret"></span></a>
    <a href="/foundation">Overview</a>
    <a href="/foundation/members.html">Members</a>
    <a href="/foundation/how-it-works.html">Process</a>
    <a href="/foundation/sponsorship.html">Sponsorship</a>
    <a href="/foundation/glossary.html">Glossary</a>
    <a href="/foundation/preFAQ.html">FAQ</a>
    <a href="/foundation/contact.html">Contact</a>
    </111>
    <a href="/index.html#projects-list">Projects</a>
  cli class="dropdown">
    <a href="#" class="dropdown-toggle" data-toggle="dropdown">People <span class="caret"></span></a>
    <a href="http://people.apache.org/">Overview</a>
   <a href="http://people.apache.org/committer-index.html">Committers</a>
   <a href="/foundation/how-it-works.html#meritocracy">Meritocracy</a>
   <a href="/foundation/how-it-works.html#roles">Roles</a>
   <a href="http://planet.apache.org/">Planet Apache</a>
    cli class="dropdown">
     <a href="#" class="dropdown-toggle" data-toggle="dropdown">Get Involved <span
class="caret"></span></a>
     <a href="/foundation/getinvolved.html">Overview</a>
    <a href="http://community.apache.org/">Community Development</a>
         <a href="http://helpwanted.apache.org/">Help Wanted</a>
    <a href="http://www.apachecon.com/">ApacheCon</a>
     </111>
  <a href="/dyn/closer.cgi">Download</a>
    cli class="dropdown">
    <a href="#" class="dropdown-toggle" data-toggle="dropdown">Support Apache <span
class="caret"></span></a>
    <a href="/foundation/sponsorship.html">Sponsorship</a>
    <a href="/foundation/contributing.html">Donations</a>
    <a href="/foundation/buy_stuff.html">Buy Stuff</a>
    <a href="/foundation/thanks.html">Thanks</a>
    </div>
 </div>
</nav>
```

```
</header>
<!-- / Navigation -->
<div class="container">
 <div class="row">
         <div class="col-md-6 col-sm-5 col-xs-12">
      <img src="/img/asf_logo.png" alt="Apache Logo" style="max-width: 100%;">
    </div>
    <div class="col-md-3 col-sm-3 col-xs-6">
    <a href="http://apache.org/foundation/contributing.html" title="Support Apache">
      <img src="/images/SupportApache-small.png" style="height: 150px; width: 150px; margin-top: 5px; margin-to
bottom: 5px;">
    </a>
    </div>
    <div class="col-md-3 col-sm-4 col-xs-6">
      <div class="input-group" style="margin-bottom: 5px;">
     <script>
 (function() {
    var cx = '005703438322411770421:5mgshgrgx2u';
   var gcse = document.createElement('script');
   gcse.type = 'text/javascript';
   gcse.async = true;
   gcse.src = (document.location.protocol == 'https:' ? 'https:' : 'http:') +
        '//cse.google.com/cse.js?cx=' + cx;
   var s = document.getElementsByTagName('script')[0];
   s.parentNode.insertBefore(gcse, s);
 })();
</script>
     <gcse:searchbox-only></gcse:searchbox-only>
   </div>
    <a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/governance/">The Apache Way</a>
    <a role="button" class="btn btn-block btn-default btn-xs"
href="https://community.apache.org/contributors/">Contribute</a>
   <a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/thanks.html">ASF Sponsors</a>
    </div>
 </div>
</div>
<div class="container"><style type="text/css">
/* The following code is added by mdx_elementid.py
  It was originally lifted from http://subversion.apache.org/style/site.css */
/*
* Hide class="elementid-permalink", except when an enclosing heading
* has the :hover property.
*/
.headerlink, .elementid-permalink {
 visibility: hidden;
}
h2:hover > .headerlink, h3:hover > .headerlink, h1:hover > .headerlink, h6:hover > .headerlink, h4:hover >
.headerlink, h5:hover > .headerlink, dt:hover > .elementid-permalink { visibility: visible }</style>
```

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```
</div></div>
<!-- Footer -->
<footer class="bg-primary">
<div class="container">
 <div class="row">
 <br/>
  <div class="col-sm-1">
  </div>
  <div class="col-sm-2">
     <h5 class="white">Community</h5>
     <a href="http://community.apache.org/">Overview</a>
  <a href="/foundation/conferences.html">Conferences</a>
```

```
<a href="http://community.apache.org/gsoc.html">Summer of Code</a>
<a href="http://community.apache.org/newcomers/">Getting Started</a>
<a href="/foundation/how-it-works.html">The Apache Way</a>
<a href="/travel/">Travel Assistance</a>
<a href="/foundation/getinvolved.html">Get Involved</a>
<a href="http://community.apache.org/newbiefaq.html">Community FAQ</a>
<a href="/memorials/">Memorials</a>
   </11/>
</div>
<div class="col-sm-2">
<h5 class="white">Innovation</h5>
   <a href="http://incubator.apache.org/">Incubator</a>
<a href="http://labs.apache.org/">Labs</a>
<a href="/licenses/">Licensing</a>
<a href="/foundation/license-faq.html">Licensing FAQ</a>
<a href="/foundation/marks/">Trademark Policy</a>
<a href="/foundation/contact.html">Contacts</a>
   </div>
<div class="col-sm-2">
<h5 class="white">Tech Operations</h5>
  <a href="/dev/">Developer Information</a>
 <a href="/dev/infrastructure.html">Infrastructure</a>
 <a href="/security/">Security</a>
 <a href="http://status.apache.org">Status</a>
 <a href="/foundation/contact.html">Contacts</a>
  </div>
<div class="col-sm-2">
<h5 class="white">Press</h5>
 <a href="/press/">Overview</a>
<a href="https://blogs.apache.org/">ASF News</a>
<a href="https://blogs.apache.org/foundation/">Announcements</a>
<a href="https://twitter.com/TheASF">Twitter Feed</a>
<a href="/press/#contact">Contacts</a>
 </div>
<div class="col-sm-2">
<h5 class="white">Legal</h5>
 <a href="/legal/">Legal Affairs</a>
```

```
<a href="/licenses/">Licenses</a>
   <a href="/foundation/marks/">Trademark Policy</a>
   <a href="/foundation/records/">Public Records</a>
      <a href="/foundation/policies/privacy.html">Privacy Policy</a>
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  </div>
  <div class="col-sm-1">
  </div>
 </div>
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</html>
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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.

It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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1.95 Jacorb 3.3:0

1.95.1 Available under license:

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*

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1.96 Java Servlet API 3.1.0

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1.100 javax.resource 1.5.0

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1.106 Joda-Time 1.6.0

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1.110 json-path 2.1.0

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1.111 json-smart 2.3

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1.112 jsr-305 3.0.2

1.113 kryo 5.0.0.RC2

1.114 LALR Parser Generator 1.1.0 :1.1.0

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1.115 libfontenc 1.1.3 :3.el7

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1.116 libpgm-5.1 5.1.118 :5.1.118

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1.119 libxml2 2.9.1 :6.el7 2.3

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1.120 libyaml 0.1.4 :11.el7_0

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1.123 Isof 4.87 :5.el7

1.124 Lsyncd - Live Syncing Daemon 2.1.5

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Upstream-Name: liblz4

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

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1.128 mapstruct 1.2.0.Final

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1.130 moshi 1.5.0

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dbug/example1.c

dbug/example2.c

dbug/example3.c

dbug/factorial.c

dbug/main.c

dbug/my_main.c

dbug/remove_function_from_trace.pl

dbug/tests.c

dbug/tests-t.pl

extra/yassl/src/dummy.cpp

include/probes_mysql_nodtrace.h

libmysqld/resource.h

mysql-test/*

regex/*

sql-bench/graph-compare-results.sh

storage/ndb/bin/*

storage/ndb/demos/*

support-files/binary-configure.sh

support-files/my-huge.cnf.sh

support-files/my-innodb-heavy-4G.cnf.sh

support-files/my-large.cnf.sh

support-files/my-medium.cnf.sh

support-files/my-small.cnf.sh

support-files/mysqld_multi.server.sh

support-files/mysql-log-rotate.sh

support-files/mysql.server-sys5.sh

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Files: BUILD/*

Docs/*

client/*

client/echo.c

client/get_password.c

cmake/*

dbug/dbug_add_tags.pl

extra/*

include/*

libmysql/*

libmysqld/*

libservices/*

mysql-test/include/have_perfschema.inc

mysql-test/include/have_perfschema.inc

mysql-test/lib/mtr cases.pm

mysql-test/lib/mtr_gcov.pl

mysql-test/lib/mtr_gprof.pl

mysql-test/lib/mtr_io.pl

mysql-test/lib/mtr_match.pm

mysql-test/lib/mtr misc.pl

mysql-test/lib/mtr_process.pl

mysql-test/lib/mtr_report.pm

mysql-test/lib/mtr results.pm

mysql-test/lib/mtr_stress.pl

mysql-test/lib/mtr_unique.pm

mysql-test/lib/My/ConfigFactory.pm

mysql-test/lib/My/Config.pm

mysql-test/lib/My/CoreDump.pm

mysql-test/lib/My/File/*

mysql-test/lib/My/Find.pm

mysql-test/lib/My/Handles.pm

mysql-test/lib/My/Options.pm

mysql-test/lib/My/Platform.pm

mysql-test/lib/My/SafeProcess/Base.pm

mysql-test/lib/My/SafeProcess.pm

mysql-test/lib/My/SafeProcess/safe_kill_win.cc

mysql-test/lib/My/SafeProcess/safe_process.cc

mysql-test/lib/My/SafeProcess/safe_process.pl

mysql-test/lib/My/SafeProcess/safe_process_win.cc

mysql-test/lib/My/SysInfo.pm

mysql-test/lib/My/Test.pm

mysql-test/lib/t/*

mysql-test/lib/v1/mtr_cases.pl

mysql-test/lib/v1/mtr_gcov.pl

mysql-test/lib/v1/mtr_gprof.pl

mysql-test/lib/v1/mtr_im.pl

mysql-test/lib/v1/mtr_io.pl

mysql-test/lib/v1/mtr_match.pl

mysql-test/lib/v1/mtr_misc.pl

mysql-test/lib/v1/mtr_process.pl

```
mysql-test/lib/v1/mtr_report.pl
mysql-test/lib/v1/mtr_stress.pl
mysql-test/lib/v1/mtr_timer.pl
mysql-test/lib/v1/mtr_unique.pl
mysql-test/lib/v1/My/*
mysql-test/lib/v1/My/*
mysql-test/lib/v1/mysql-test-run.pl
mysql-test/mysql-stress-test.pl
mysql-test/mysql-test-run.pl
mysql-test/std data/*
mysql-test/suite/perfschema/include/*
mysql-test/suite/perfschema_stress/include/*
mysql-test/suite/perfschema_stress/include/*
mysys/*
packaging/WiX/ca/*
plugin/audit null/*
plugin/auth/*
plugin/daemon example/*
plugin/fulltext/*
plugin/semisync/semisync_slave.cc
plugin/semisync/semisync_slave.h
scripts/*
sql/*
sql-common/*
storage/*
strings/*
support-files/config.huge.ini.sh
support-files/config.medium.ini.sh
support-files/config.small.ini.sh
support-files/MacOSX/Description.plist.sh
support-files/MacOSX/Info.plist.sh
support-files/MacOSX/StartupParameters.plist.sh
support-files/MySQL-shared-compat.spec.sh
support-files/mysql.spec.sh
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storage/ndb/test/run-test/atrt-gather-result.sh

storage/ndb/test/run-test/atrt-setup.sh

storage/ndb/test/run-test/make-config.sh

storage/ndb/test/run-test/make-html-reports.sh

storage/ndb/test/run-test/make-index.sh

storage/ndb/test/run-test/ndb-autotest.sh

strings/strxmov.c

strings/strxnmov.c

support-files/MacOSX/postflight.sh

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Files: sql-bench/innotest1.sh

sql-bench/innotest1a.sh

sql-bench/innotest1b.sh

sql-bench/innotest2.sh

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*

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- chris.gross@us.ibm.com initial API and implementation

1.135 Nebula TableCombo

1.0.0.201107181537

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- * Contributors:
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- * Wolfgang Schramm < wschramm@ch.ibm.com> added vertical alignment of text for selected table item.
- * Enrico Schnepel <enrico.schnepel@randomice.net> help event listener bug 326285

1.136 net-tools 2.0 :0.22.20131004git.el7

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1.140 okhttp 3.9.1

1.141 openpgm 5.2.122

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1.143 org.apache.servicemix.bundles.okhttp 3.9.1.2

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1.144 org.apache.servicemix.bundles.okio 1.13.0.1

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1.145 org.apache.servicemix.bundles.retrofit 2.3.0.1

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1.146 org.apache.tools.ant 1.7.1

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1.147 org.eclipse.equinox.bidi 1.2.0

1.148

org.eclipse.equinox.launcher.win32.win32.x8

6_64 1.1.550 :v20170928-1359

1.149 pagedown 1.1.0

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1.150 pciutils 3.5.1 :3.el7

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1.151 perl 5.16.3 :292.el7

1.151.1 Available under license:

From f5488561bdaab57380bf07e8e66778503a41aca3 Mon Sep 17 00:00:00 2001

From: Father Chrysostomos <sprout@cpan.org>

Date: Sun, 23 Sep 2012 12:42:15 -0700

Subject: [PATCH] = ?UTF-8?q?Don=E2=80=99t=20leak=20if=20hh=20copying=20dies?=

MIME-Version: 1.0

Content-Type: text/plain; charset=UTF-8

Content-Transfer-Encoding: 8bit

When %^H is copied on entering a new scope, if it happens to have been tied it can die. This was resulting in leaks, because no protections were added to handle that case.

The two things that were leaking were the new hash in hv_copy_hints_hv and the new value (for an element) in newSVsv.

By fixing newSVsv itself, this also fixes any potential leaks when other pieces of code call newSVsv on explosive values.

```
Petr Pisar: Ported to 5.16.3
hv.c
        | 6+++++
        | 7 ++++---
sv.c
3 files changed, 31 insertions(+), 4 deletions(-)
diff --git a/hv.c b/hv.c
index 3c35341..29d6352 100644
--- a/hv.c
+++ b/hv.c
@@ -1440,6 +1440,9 @@ Perl_hv_copy_hints_hv(pTHX_ HV *const ohv)
const I32 riter = HvRITER_get(ohv);
HE * const eiter = HvEITER_get(ohv);
+ ENTER;
+ SAVEFREESV(hv);
while (hv_max && hv_max + 1 \ge hv_fill * 2)
  hv_max = hv_max / 2;
```

```
HvMAX(hv) = hv_max;
@@ -1461,6 +1464,9 @@ Perl_hv_copy_hints_hv(pTHX_ HV *const ohv)
HvRITER_set(ohv, riter);
HvEITER_set(ohv, eiter);
+ SvREFCNT inc simple void NN(hv);
+ LEAVE;
  hv_magic(hv, NULL, PERL_MAGIC_hints);
  return hv;
diff --git a/sv.c b/sv.c
index a43feac..597d71b 100644
--- a/sv.c
+++ b/sv.c
@@ -8764,11 +8764,12 @@ Perl_newSVsv(pTHX_ register SV *const old)
Perl_ck_warner_d(aTHX_ packWARN(WARN_INTERNAL), "semi-panic: attempt to dup freed string");
return NULL;
  }
+ /* Do this here, otherwise we leak the new SV if this croaks. */
+ SvGETMAGIC(old);
  new_SV(sv);
- /* SV_GMAGIC is the default for sv_setv()
    SV_NOSTEAL prevents TEMP buffers being, well, stolen, and saves games
+ /* SV_NOSTEAL prevents TEMP buffers being, well, stolen, and saves games
   with SvTEMP off and SvTEMP on round a call to sv setsv. */
sv_setsv_flags(sv, old, SV_GMAGIC | SV_NOSTEAL);
+ sv_setsv_flags(sv, old, SV_NOSTEAL);
  return sv;
diff --git a/t/op/svleak.t b/t/op/svleak.t
index 2f09af3..011c184 100644
--- a/t/op/svleak.t
+++ b/t/op/svleak.t
@@ -13,7 +13,7 @@ BEGIN {
or skip_all("XS::APItest not available");
}
-plan tests => 23;
+plan tests => 24;
# run some code N times. If the number of SVs at the end of loop N is
# greater than (N-1)*delta at the end of loop 1, we've got a leak
@@ -176,3 +176,23 @@ leak(2, 0, sub {
  each %$h;
  undef $h;
}, 'tied hash iteration does not leak');
```

```
+# [perl #107000]
+package hhtie {
   sub TIEHASH { bless [] }
   sub STORE \{ [0][0][ [1]] = [2] \}
+ sub FETCH { die if $explosive; $_[0][0]{$_[1]} }
+ sub FIRSTKEY { keys % {$_[0][0]}; each % {$_[0][0]} }
   sub NEXTKEY { each % {$_[0][0]} }
+leak(2,!!$Config{mad}, sub {
+ eval q
+ BEGIN {
   htie::explosive = 0;
   tie %^H, hhtie;
+ \Phi\{foo\} = bar;
    htie::explosive = 1;
    }
+ { 1; }
+}, 'hint-hash copying does not leak');
1.8.1.4
```

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Version 1, February 1989

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```
Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010
use strict;
use lib 't/lib';
use MBTest;
use DistGen;
plan 'no_plan';
# Ensure any Module::Build modules are loaded from correct directory
blib_load('Module::Build');
#-----#
# Create test distribution
my $dist = DistGen->new(
 name => 'Simple::Name',
 version \Rightarrow '0.01',
 license => 'perl'
);
$dist->regen;
$dist->chdir_in;
my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );
is( $mb->license, 'perl',
 "license 'perl' is valid"
);
my  meta = mb->get_metadata( fatal => 0 );
is( $meta->{license} => 'perl', "META license will be 'perl'" );
is( $meta->{resources} {license}, "http://dev.perl.org/licenses/",
 "META license URL is correct"
);
```

```
my $dist = DistGen->new(
 name => 'Simple::Name',
 version \Rightarrow '0.01',
 license => 'VaporWare'
);
$dist->regen;
$dist->chdir_in;
my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );
is($mb->license, 'VaporWare',
 "license 'VaporWare' is valid"
);
my $meta = $mb->get_metadata( fatal => 0 );
is( $meta->{license} => 'unrestricted', "META license will be 'unrestricted'" );
is( $meta->{resources} { license}, "http://example.com/vaporware/",
 "META license URL is correct"
);
}
# Test with alpha number
# vim:ts=2:sw=2:et:sta:sts=2
This module is free software; you can redistribute it and/or
modify it under the same terms as Perl itself.
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams < kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the \nModule-Build mailing list at <module-
build@perl.org>."
build_requires:
File::Temp: 0.15
Test::Harness: 3.16
Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
url: http://module-build.sourceforge.net/META-spec-v1.4.html
version: 1.4
name: Module-Build
resources:
MailingList: mailto:module-build@perl.org
license: http://dev.perl.org/licenses/
repository: http://github.com/dagolden/module-build/
```

1.152 perl-Carp 1.26 :244.el7

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1.153 perl-constant 1.27 :2.el7

1.153.1 Available under license:

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1.154 perl-Data-Dumper 2.145 :3.el7

1.154.1 Available under license:

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1.155 perl-Encode 2.51 :7.el7

1.155.1 Available under license:

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1.156 perl-Exporter 5.68 :3.el7

1.156.1 Available under license:

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1.157 perl-File-Path 2.09 :2.el7

1.157.1 Available under license:

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1.158 perl-File-Temp 0.23.01 :3.el7

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1.161 perl-HTTP-Tiny 0.033 :3.el7

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1.162 perl-parent 0.225 :244.el7

1.162.1 Available under license:

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1.163 perl-PathTools 3.40 :5.el7

1.163.1 Available under license:

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1.164 perl-Pod-Escapes 1.04 :291.el7

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Julian Seward, jseward@bzip.org bzip2/libbzip2 version 1.0.6 of 6 September 2010
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'</kwilliams@cpan.org>
- "Development questions, bug reports, and patches should be sent to the \nModule-Build mailing list at < module
build@perl.org>."
build_requires:
File::Temp: 0.15
Test::Harness: 3.16
Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
url: http://module-build.sourceforge.net/META-spec-v1.4.html
version: 1.4
name: Module-Build
resources:
MailingList: mailto:module-build@perl.org
license: http://dev.perl.org/licenses/
repository: http://github.com/dagolden/module-build/
version: 3
use strict;
use lib 't/lib';
use MBTest;
use DistGen;
use Distocii,
plan 'no_plan';
Ensure any Module::Build modules are loaded from correct directory
blib_load('Module::Build');
##
Create test distribution
##
1
l

```
my $dist = DistGen->new(
 name => 'Simple::Name',
 version \Rightarrow '0.01',
 license => 'perl'
);
$dist->regen;
$dist->chdir_in;
my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );
is( $mb->license, 'perl',
 "license 'perl' is valid"
);
my $meta = $mb->get_metadata( fatal => 0 );
is( $meta->{license} => 'perl', "META license will be 'perl'" );
is( $meta->{resources}{license}, "http://dev.perl.org/licenses/",
 "META license URL is correct"
);
}
my $dist = DistGen->new(
 name => 'Simple::Name',
 version \Rightarrow '0.01',
 license => 'VaporWare'
);
$dist->regen;
$dist->chdir_in;
my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );
is( $mb->license, 'VaporWare',
 "license 'VaporWare' is valid"
);
my $meta = $mb->get_metadata( fatal => 0 );
is( $meta->{license} => 'unrestricted', "META license will be 'unrestricted'" );
is( $meta->{resources}{license}, "http://example.com/vaporware/",
 "META license URL is correct"
);
}
```

Test with alpha number

vim:ts=2:sw=2:et:sta:sts=2

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1.165 perl-Pod-Perldoc 3.20 :4.el7

1.165.1 Available under license:

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1.166 perl-Pod-Simple 3.28 :4.el7

1.166.1 Available under license:

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1.171 perl-Storable 2.45 :3.el7

1.171.1 Available under license:

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1.172 perl-Text-ParseWords 3.29 :4.el7

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From: "Alexandr Ciornii via RT" <bug-Text-ParseWords@rt.cpan.org>

Reply-To: bug-Text-ParseWords@rt.cpan.org

In-Reply-To: <rt-4.0.18-4704-1384789048-1647.90483-6-0@rt.cpan.org>

References: <RT-Ticket-90483@rt.cpan.org>

<rt-4.0.18-4704-1384789048-1647.90483-6-0@rt.cpan.org>

Message-ID: <rt-4.0.18-2172-1384790768-1347.90483-6-0@rt.cpan.org>

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To: mmaslano@redhat.com

MIME-Version: 1.0

Content-Transfer-Encoding: 8bit

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X-RT-Original-Encoding: utf-8

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1.178 prototype.js 1.7

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:	 *

1.179 python-babel 0.9.6 :8.el7

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1.180 python-backports 1.0 :8.el7

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1.181 python-backports-ssl_match_hostname 3.5.0.1 :1.el7

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1.182 python-chardet 2.2.1 :1.el7_1

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1.183 python-crypto 2.6.1 :15.el7

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Last updated: 2009-02-28

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From dlitz@dlitz.net Sat Apr 18 09:14:20 2009

Date: Sat, 18 Apr 2009 09:14:20 -0400

From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>

To: Mark Moraes <moraes@computer.org> Subject: PyCrypto license clarification Message-ID: <20090418131419.GA14494@rivest.dlitz.net>

MIME-Version: 1.0

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Content-Disposition: inline

User-Agent: Mutt/1.5.16 (2007-06-11)

Status: RO

Content-Length: 2635

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I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at http://www.pycrypto.org/.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

Distribute and use freely; there are no restrictions on further dissemination and usage except those imposed by the laws of your country of residence. This software is provided "as is" without warranty of fitness for use or suitability for any purpose, express or implied. Use at your own risk or not at all.

Incorporating the code into commercial products is permitted; you do not have to make source available or contribute your changes back (though that would be nice).

--amk (www.amk.ca)

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I understand that you have made contributions to PyCrypto. May I, on your behalf, dedicate to the public domain all your contributions to PyCrypto, with the following notice?

The contents of this file are dedicated to the public domain. To the

extent that dedication to the public domain is not available, everyone is granted a worldwide, perpetual, royalty-free, non-exclusive license to exercise all rights associated with the contents of this file for any purpose whatsoever. No rights are reserved.

Regards,

- Dwayne

__

Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From markmoraes@yahoo.com Mon Apr 20 19:25:37 2009

X-Maildir-Dup-Checked: Yes

Return-Path: <markmoraes@yahoo.com>
X-Original-To: dwon@rivest.dlitz.net
Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6]) by rivest.dlitz.net (Postfix) with ESMTP id 5D9AE984FDD

for <dwon@rivest.dlitz.net>; Mon, 20 Apr 2009 19:25:37 -0400 (EDT)

Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id DE41F4025F

for <dwon@rivest.dlitz.net>; Mon, 20 Apr 2009 17:25:36 -0600 (CST)

Received: (vmailmgr-postfix 7604 invoked by uid 1003); 20 Apr 2009 17:25:36 -0600

Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: none (yahoo.com: No applicable sender policy available) receiver=goedel.dlitz.net; identity=mfrom; envelope-from="markmoraes@yahoo.com"; helo=web32405.mail.mud.yahoo.com; client-ip=68.142.207.198

Received: from web32405.mail.mud.yahoo.com (web32405.mail.mud.yahoo.com [68.142.207.198])

by goedel.dlitz.net (Postfix) with SMTP id B5EAF401EE

for <dlitz@dlitz.net>; Mon, 20 Apr 2009 17:25:36 -0600 (CST)

Received: (qmail 34697 invoked by uid 60001); 20 Apr 2009 23:25:33 -0000

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed; d=yahoo.com; s=s1024; t=1240269933;

bh=OvxqbYnCg7R6tUN3YmlgFURM3CuHh1JeHyXhDzkaThU=; h=Message-ID:X-YMail-OSG:Received:X-

Mailer: Date: From: Reply-To: Subject: To: MIME-Version: Content-Type;

 $b = F2h2bFzpQxyKFZ8BhenniyupGw4Zvlekb9BSk91qKU + 51W/TkSGBij5YZIhkLQdkQk0qLz5f4g8dT6bOME3s\\ EY1j10hlx0K0u2UD0yoYTINBCmsdMQRoJ7ph9bmt + p/EJhRpe + FiV6aoLV0FONWiHfGDghPT1dulWXfVTqgB\\ 2aU =$

DomainKey-Signature:a=rsa-sha1; q=dns; c=nofws;

s=s1024; d=yahoo.com;

 $h=Message-ID:X-YMail-OSG:Received:X-Mailer:Date:From:Reply-To:Subject:To:MIME-Version:Content-Type;\\ b=r6RShFF5VzQLg+9tcn1xKuo4Rs4IVvXF6fdqOpQrMyRCxeFooebhuTE35grGqlomOJLwM0+mZwRb6rGkDj763caOAlo8Ect/qlADW5izXfmVQaDchTbTqmpsJBmQnTQs9iZ+InrG+3UIwtUSGfX7fhEWmI9P/HBzxf9Wp4b3jeo=;$

Message-ID: <551071.34569.qm@web32405.mail.mud.yahoo.com>

X-YMail-OSG:

 $FrK8aWMVM1mFJtLpMGbUbCLjbUQC.i.JkIAKUHSFsFn7t9PbtewAewXJ2uhZGCOIGCX6oVnG3u.CgqzAffY\\ 4vZSnfTT8wnCkzZNZ_g6k.XUc3ipo_6e.92TXl4p8MxDGAf1tpNF5nXPwcQ7aREs7jGoWWVJYVytp50clsUFS$

Hzf7Zbpa8P1Yoe_xSzf3OAgRSh5fCrbFCC8sHPCuwrL3YhasbtHmkWffteSS.x6gEcBaxf03oz4FeDb5mpJ54g11X onq8h_TmzX9g84Bin9g_3fJ4WSXm6g6.tohLyfXcUxoz4j036wyWpTKPrWEzIUQaN83Sv_bj_Ghxw--Received: from [69.124.140.74] by web32405.mail.mud.yahoo.com via HTTP; Mon, 20 Apr 2009 16:25:32 PDT X-Mailer: YahooMailClassic/5.2.15 YahooMailWebService/0.7.289.1 Date: Mon, 20 Apr 2009 16:25:32 -0700 (PDT) From: M Moraes <markmoraes@yahoo.com> Reply-To: moraes@computer.org Subject: Re: PyCrypto license clarification To: "Dwayne C. Litzenberger" <dlitz@dlitz.net> MIME-Version: 1.0 Content-Type: text/plain; charset=us-ascii Status: RO X-Status: A Content-Length: 3222 Hi Dwayne. Sure, the new license sounds fine for all my contributions to PyCrypto, and thanks for taking it on. My apologies for not responding to your previous e-mail. Regards, Mark. --- On Sat, 4/18/09, Dwayne C. Litzenberger <dlitz@dlitz.net> wrote: > From: Dwayne C. Litzenberger <dlitz@dlitz.net> > Subject: PyCrypto license clarification > To: "Mark Moraes" <moraes@computer.org> > Date: Saturday, April 18, 2009, 9:14 AM > Hi Mark, > I am the new maintainer of the Python Cryptography Toolkit, > and I am > working on a new release at http://www.pycrypto.org/. > People often ask me what license PyCrypto is covered by, if > GPL-compatible, etc. Right now, I'm not really sure > what to tell them. > The text in the current LICENSE file (quoted below) is not > entirely clear > on the point of whether distributing modified versions is

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     --amk
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         (www.amk.ca)
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> rights are reserved.
> Regards,
> - Dwayne
> -- Dwayne C. Litzenberger <dlitz@dlitz.net>
> Key-signing key - 19E1
> 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7
>
From dlitz@dlitz.net Mon Apr 20 20:01:37 2009
Date: Mon, 20 Apr 2009 20:01:37 -0400
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
To: moraes@computer.org
Subject: Re: PyCrypto license clarification
Message-ID: <20090421000137.GA29012@rivest.dlitz.net>
References: <551071.34569.qm@web32405.mail.mud.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Disposition: inline
In-Reply-To: <551071.34569.qm@web32405.mail.mud.yahoo.com>
X-Primary-Address: dlitz@dlitz.net
X-Homepage: http://www.dlitz.net/
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;
id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);
preference=unprotected
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;
id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);
preference=signencrypt
User-Agent: Mutt/1.5.16 (2007-06-11)
Status: RO
Content-Length: 3677
Thanks a lot, and don't worry about not responding to previous emails. I
do that too much myself. :)
```

```
On Mon, Apr 20, 2009 at 04:25:32PM -0700, M Moraes wrote:
>Hi Dwayne.
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Incorporating the code into commercial

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          (www.amk.ca)
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```

```
>> - Dwayne
>>
>> -- Dwayne C. Litzenberger <dlitz@dlitz.net>
>> Key-signing key - 19E1
>> 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7
>>
>>
```

Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7 Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45

From dlitz@dlitz.net Sat Feb 28 23:24:14 2009

Date: Sat, 28 Feb 2009 23:24:14 -0500

From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>

To: Jeethu Rao <jeethurao@gmail.com> Subject: PyCrypto license clarification

Message-ID: <20090301042414.GA15122@rivest.dlitz.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Disposition: inline

User-Agent: Mutt/1.5.16 (2007-06-11)

Status: RO

Content-Length: 2513

Hi Jeethu.

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Regards,

- Dwayne

--

Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From jeethurao@gmail.com Sun Mar 8 17:28:16 2009

X-Maildir-Dup-Checked: Yes

Return-Path: <jeethurao@gmail.com> X-Original-To: dwon@rivest.dlitz.net Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6])

by rivest.dlitz.net (Postfix) with ESMTP id 0CC83515D9

for <dwon@rivest.dlitz.net>; Sun, 8 Mar 2009 17:28:16 -0400 (EDT)

Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id 4E58F450CB

for <dwon@rivest.dlitz.net>; Sun, 8 Mar 2009 15:28:15 -0600 (CST)

Received: (vmailmgr-postfix 5011 invoked by uid 1003); 8 Mar 2009 15:28:15 -0600

Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: pass (gmail.com ... _spf.google.com: 209.85.198.249 is authorized to use 'jeethurao@gmail.com' in 'mfrom' identity (mechanism 'ip4:209.85.128.0/17' matched)) receiver=goedel.dlitz.net; identity=mfrom; envelope-from="jeethurao@gmail.com"; helo=rv-out-0708.google.com; client-ip=209.85.198.249

Received: from rv-out-0708.google.com (unknown [209.85.198.249])

by goedel.dlitz.net (Postfix) with ESMTP id 3C097449E7

for <dlitz@dlitz.net>; Sun, 8 Mar 2009 15:28:12 -0600 (CST)

Received: by rv-out-0708.google.com with SMTP id k29so1252333rvb.26

for <dlitz@dlitz.net>; Sun, 08 Mar 2009 14:27:56 -0700 (PDT)

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;

d=gmail.com; s=gamma;

h=domainkey-signature:mime-version:received:in-reply-to:references

:date:message-id:subject:from:to:content-type;

bh=YWy9U32WCU/ksRqukHwaOZyJQBUs4Yvt5mI20U6mI/g=;

b=oMjI22IIxYiJKge2zNJW3rRiUi9LqFXmey5Wp0pLItuNF+X3duyfhopTuBAKw7MwVY

B5E6VQuGVEyzBbNsctyVgq6DhQiQtouCLZymSViobmuDmKn5DtUKoxpDk0xCxQmHYaas

L9/A6D3/J66kKrNBgX9mc0GPcZTviVFYkPR0Q=

DomainKey-Signature: a=rsa-sha1; c=nofws;

d=gmail.com; s=gamma;

h=mime-version:in-reply-to:references:date:message-id:subject:from:to

:content-type;

b = Ym7CStuDEfJKay1AJyWZkZmJA1lnTcwCG6akBHAXLld8ht6PFcmlsffzZG8hJCIVJ8

vljqcT + G6cywVTBw1pyGX7ECYzr0 + vhGvgdpACGrs24zikHfpSSd5GFogzXaLVvGVH8psCFCFC + VhGvgdpACGrs24zikHfpSSd5GFogzXaLVvGVH8psCFC + VhGvgdpACGrs24zikHfpSSd5GFoggrs24zikHfpSSd5GFoggrs24zikHfpSSd5GFoggrs24zikHfpSSd5GFoggrs24zikHfpSSd5GFoggrs24zikHfpSSd5GFoggrs24zikHfpSSd5GFoggrs24zikHfpSSd5GFoggrs24zikHfpSSd5GFoggrs24zikHfpSSd5GFoggrs24zikHfpSSd5GFoggrs24zikHfpSSd5GFoggrs24zikHfpSSd5GFoggrs24zikHfpSSd5Gfoggrs24zikHfpSSd5Gfoggrs24zikHffpSSdfoggrs24zikHffpSSdfoggrs24zikHffpSSdfoggrs24zikHffpSSdfoggrs24zikHffpSSdfoggrs24zikHffpSSdfoggrs24zikHffpSGfoggrs24zikHffpSSdfoggrs24zikHffpSSdfoggrs24zikHffpSSdfoggrs24zikHffpSSdfoggrs24zikHffpSSdfog

bqSHpfWKKtEP4gAQkiNeIq1GNtR2j8U3fnRyg=

MIME-Version: 1.0

Received: by 10.141.176.13 with SMTP id d13mr2656028rvp.231.1236547674677;

Sun, 08 Mar 2009 14:27:54 -0700 (PDT)

In-Reply-To: <20090301042414.GA15122@rivest.dlitz.net>

References: <20090301042414.GA15122@rivest.dlitz.net>

Date: Mon, 9 Mar 2009 02:57:54 +0530

Message-ID: <e3c0ddba0903081427p3a7b1058g417dd8624df68d6d@mail.gmail.com>

Subject: Re: PyCrypto license clarification From: Jeethu Rao <jeethurao@gmail.com>

To: "Dwayne C. Litzenberger" <dlitz@dlitz.net>

Content-Type: multipart/alternative; boundary=000e0cd209d0e5a3d40464a23054

Status: RO

Content-Length: 7668

--000e0cd209d0e5a3d40464a23054

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Hi Dwayne, My contribution to pycrypto are very very minimal (The sha256

module, IIRC).

I'd be fine with the public domain license for PyCrypto.

Jeethu Rao

PS: Apologies for the delay in my response.

I don't really check this email address all that often,

please direct any further correspondence to jeethu@jeethurao.com

On Sun, Mar 1, 2009 at 9:54 AM, Dwayne C. Litzenberger <dlitz@dlitz.net>wrote:

> Hi Jeethu,

```
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```

```
> Dwayne C. Litzenberger <dlitz@dlitz.net>
    Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7
Jeethu Rao
--000e0cd209d0e5a3d40464a23054
Content-Type: text/html; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable
Hi Dwayne, < div>My contribution to pycrypto are very very minimal (The sha25=
6 module, IIRC).</div><div>I&#39;d be fine with the public domain license f=
or PyCrypto.</div><div><div><div><div><div><div><div>>PS: Apologies fo=
r the delay in my response.=A0</div>
<div>I don&#39;t really check this email address all that often,</div><div>=
please direct any further correspondence to <a href=3D"mailto:jeethu@jeethu=
rao.com">jeethu@jeethurao.com</a><br><div><br><div<br><div class=3D"gmail quote">On=
Sun, Mar 1, 2009 at 9:54 AM, Dwayne C. Litzenberger <span dir=3D"ltr"><=
<a href=3D"mailto:dlitz@dlitz.net">dlitz@dlitz.net</a>>></span> wrote:<br
<blockquote class=3D"gmail_quote" style=3D"margin:0 0 0 .8ex;border-left:1p=</pre>
x #ccc solid;padding-left:1ex;">Hi Jeethu,<br>
<br>>
I am the new maintainer of the Python Cryptography Toolkit, and I am workin=
g on a new release at <a href=3D"http://www.pycrypto.org/" target=3D"_blank=
">http://www.pycrypto.org/</a>.<br
<br>>
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warranty of fitness for use or suitability for any purpose, express<br/>br>
or implied. Use at your own risk or not at all.<br/><br/>
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<br>
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<br/>br>
(though that would be nice).<br>
<hr>
" blank">www.amk.ca</a>)<br>
<br>>
For the next PyCrypto release, I would like to take steps to move toward a =
clearer licensing regime. =A0I am asking as many copyright holders as I can=
find if I can release PyCrypto under something clearer and more standard. =
=A0Below, I have quoted a public domain dedication that was recommended in =
_Intellectual Property and Open Source: A Practical Guide to Protecting Cod=
e_, by Van Lindberg. =A0I have already contacted A. M. Kuchling, Robey Poin=
ter, and Wim Lewis, and they have all approved the following text for their=
contributions.<br>
<br>>
I understand that you have made contributions to PyCrypto. =A0May I, on you=
r behalf, dedicate to the public domain all your contributions to PyCrypto,=
with the following notice?<br>
<br>>
The contents of this file are dedicated to the public domain. =A0To the<br/>
<br/>br>
extent that dedication to the public domain is not available, everyone <br/> br>
is granted a worldwide, perpetual, royalty-free, non-exclusive license<br/>
br>
to exercise all rights associated with the contents of this file for<br/><br/>br>
any purpose whatsoever. =A0No rights are reserved. <br/> <br/>br>
<hr>>
Regards, <br>
- Dwayne<br/>
sty><font color=3D"#888888">
<br>
-- <br>
Dwayne C. Litzenberger <<a href=3D"mailto:dlitz@dlitz.net" target=3D"_bl=
ank">dlitz@dlitz.net</a>>>br>
=A0 =A0 =A0Key-signing key =A0 - 19E1 1FE8 B3CF F273 ED17 =A04A24 928C EC1=
3 39C2 5CF7<br>
</font></blockquote></div><br><br/>div><br><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div><br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div<br/>div
</div>
```

--000e0cd209d0e5a3d40464a23054--Date: Sun. 23 Nov 2008 15:54:35 -0800 From: Wim Lewis <wiml@hhhh.org> Subject: Re: PyCrypto license clarification To: "Dwayne C. Litzenberger" <dlitz@dlitz.net> Cc: Wim Lewis <wiml@hhhh.org> Message-Id: <9D5C3135-7414-47D7-9D41-0AC6C3A84D97@hhhh.org> ----BEGIN PGP SIGNED MESSAGE-----Hash: SHA1 On November 23, 2008, you wrote: >Hi Wim. >I am the new maintainer of the Python Cryptography Toolkit, and I am >working on a new release at http://www.pycrypto.org/. >I understand that you have made contributions to PyCrypto. May I, on >your behalf, dedicate to the public domain all your contributions to >PyCrypto, with the following notice? > The contents of this file are dedicated to the public domain. To the > extent that dedication to the public domain is not available, everyone > is granted a worldwide, perpetual, royalty-free, non-exclusive license > to exercise all rights associated with the contents of this file for > any purpose whatsoever. No rights are reserved.

Certainly! I think the only code of mine in PyCrypto is the CAST-5 / CAST-128 implementation, which already has a public-domain notice at the top of the file. But I am happy to have that, any any other code of mine that might have wandered in there under an unclear open sourcish license, distributed under the public-domain dedication you quote.

Wim.

-----BEGIN PGP SIGNATURE-----Version: GnuPG v1.4.6 (Darwin)

iQCVAwUBSSnnAl8UnN8n93LBAQLp/gQAhr7x8Av1mstc2kxEJDWTm26PTAZxMz4B FektbDOzkxgc5580MGGeeX/MVn8aw+1BHg0YD85gsntlDzkcQtb+BR/xAvJ5zKyA J/Mn/I+I6ekJQ3juh8IPHLAduOXM9Rtguas/yR+Doaq0xOPKoBx+/5+t1lLJtBcZ wrPEa9Oui9s=

=zSY9

----END PGP SIGNATURE-----

From dlitz@dlitz.net Sat Feb 28 21:45:09 2009

Date: Sat, 28 Feb 2009 21:45:09 -0500

From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>

To: Barry A Warsaw <barry@python.org> Subject: PyCrypto license clarification

Message-ID: <20090301024509.GA13195@rivest.dlitz.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Disposition: inline

User-Agent: Mutt/1.5.16 (2007-06-11)

Status: RO

Content-Length: 2535

Hi Barry,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at http://www.pycrypto.org/.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

Distribute and use freely; there are no restrictions on further dissemination and usage except those imposed by the laws of your country of residence. This software is provided "as is" without warranty of fitness for use or suitability for any purpose, express or implied. Use at your own risk or not at all.

Incorporating the code into commercial products is permitted; you do not have to make source available or contribute your changes back (though that would be nice).

--amk (www.amk.ca)

For the next PyCrypto release, I would like to take steps to move toward a clearer licensing regime. I am asking as many copyright holders as I can find if I can release PyCrypto under something clearer and more standard. Below, I have quoted a public domain dedication that was recommended in _Intellectual Property and Open Source: A Practical Guide to Protecting Code_, by Van Lindberg. I have already contacted A. M. Kuchling, Robey Pointer, and Wim Lewis, and they have all approved the following dedication for their contributions.

I understand that you have made contributions to PyCrypto. May I, on your behalf, dedicate to the public domain all your contributions to PyCrypto, with the following notice?

The contents of this file are dedicated to the public domain. To the extent that dedication to the public domain is not available, everyone is granted a worldwide, perpetual, royalty-free, non-exclusive license to exercise all rights associated with the contents of this file for any purpose whatsoever. No rights are reserved.

Regards,

- Dwayne

--

Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From barry@python.org Mon Mar 2 11:29:39 2009

X-Original-To: dwon@rivest.dlitz.net Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6]) by rivest.dlitz.net (Postfix) with ESMTP id 6E01AC6640B

for <dwon@rivest.dlitz.net>; Mon, 2 Mar 2009 11:29:39 -0500 (EST)

Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id 0644E1007A

for <dwon@rivest.dlitz.net>; Mon, 2 Mar 2009 10:29:39 -0600 (CST)

Received: (vmailmgr-postfix 8668 invoked by uid 1003); 2 Mar 2009 10:29:39 -0600

Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: none (python.org: No applicable sender policy available) receiver=goedel.dlitz.net; identity=mfrom; envelope-from="barry@python.org"; helo=mail.wooz.org; client-ip=216.15.33.230

Received: from mail.wooz.org (216-15-33-230.c3-0.slvr-ubr2.lnh-slvr.md.static.cable.rcn.com [216.15.33.230])

by goedel.dlitz.net (Postfix) with ESMTP id CCEA110073

for <dlitz@dlitz.net>; Mon, 2 Mar 2009 10:29:38 -0600 (CST)

Received: from snowdog.wooz.org (snowdog.wooz.org [192.168.11.202])

by mail.wooz.org (Postfix) with ESMTPSA id ACE30E3C9F

for <dlitz@dlitz.net>; Mon, 2 Mar 2009 11:29:35 -0500 (EST)

Message-Id: <09BF1A39-B015-4820-97A3-8642490C8254@python.org>

From: Barry Warsaw <barry@python.org>

To: Dwayne C. Litzenberger <dlitz@dlitz.net>

In-Reply-To: <20090301024509.GA13195@rivest.dlitz.net>

Content-Type: text/plain; charset=US-ASCII; format=flowed; delsp=yes

Content-Transfer-Encoding: quoted-printable

Mime-Version: 1.0 (Apple Message framework v930.3)

Subject: Re: PyCrypto license clarification Date: Mon, 2 Mar 2009 11:29:34 -0500

References: <20090301024509.GA13195@rivest.dlitz.net>

X-Pgp-Agent: GPGMail d55 (v55, Leopard)

```
X-Mailer: Apple Mail (2.930.3)
Status: RO
Content-Length: 869
----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1
On Feb 28, 2009, at 9:45 PM, Dwayne C. Litzenberger wrote:
> I am the new maintainer of the Python Cryptography Toolkit, and I am =20=
> working on a new release at http://www.pycrypto.org/.
Great! I'm glad to see someone taking up the mantle of this important =20=
Python library.
> I understand that you have made contributions to PyCrypto. May I, =20
> on your behalf, dedicate to the public domain all your contributions =20=
> to PyCrypto, with the following notice?
Absolutely yes.
Cheers.
Barry
----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.4.9 (Darwin)
iQCVAwUBSawJbnEjvBPtnXfVAQLZjgP/ecG+JdZwNvPJRfsa6rhY6+MHLDHI6agk\\
evkJnSJQAcVHlZnVlVeR5IXgvDUMakZjU4SOV7MqkhsKA9lIet7PaD9VSYgn3ra5
gElwI2DQDoOy5GExXMm74gqrrb1PCCbCRmpaYNo+DZohwHkeFBjbwDRA3wItOrH7
SK4w9VBJtfY=3D
=3DQduY
----END PGP SIGNATURE-----
Date: Mon. 16 Feb 2009 12:58:00 -0800
From: Robey Pointer <robey@lag.net>
Subject: Re: PyCrypto license clarification
To: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
Received-SPF: pass (goedel.dlitz.net: domain of robey@lag.net designates 69.61.78.186 as permitted sender)
Message-Id: <F469A078-6305-4484-BEA8-F4EC38A4154F@lag.net>
----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1
```

On 23 Nov 2008, at 07:42, Dwayne C. Litzenberger wrote:

```
> For the next PyCrypto release, I would like to take steps to move
> toward a clearer licensing regime. I am asking as many copyright
> holders as I can find if I can release PyCrypto under something
> clearer and more standard. Below, I have quoted a public domain
> dedication that was recommended in _Intellectual Property and Open
> Source: A Practical Guide to Protecting Code_, by Van Lindberg. I
> have already contacted A. M. Kuchling, and he has approved the
> following dedication for his contributions.
> May I, on your behalf, dedicate to the public domain all your
> contributions to PyCrypto, with the following notice?
>
> The contents of this file are dedicated to the public domain. To
> the
   extent that dedication to the public domain is not available,
> everyone
> is granted a worldwide, perpetual, royalty-free, non-exclusive
> to exercise all rights associated with the contents of this file
> for
   any purpose whatsoever. No rights are reserved.
>
In case I haven't replied to this yet: Yes, this is fine with me.
robey
----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.4.8 (Darwin)
iEYEARECAAYFAkmZ01gACgkQQQDkKvyJ6cOLvQCfQmYYuVODvIlyLg0hgCI9LAbQ
SH8AoLJgaq1lIi7/ZYDc+/Cd8VO0xLbr
=Mv6g
----END PGP SIGNATURE-----
From dlitz@dlitz.net Sun Nov 23 00:17:22 2008
Date: Sun, 23 Nov 2008 00:17:22 -0500
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
To: "A. M. Kuchling" <amk@amk.ca>
Subject: PyCrypto license clarification
Message-ID: <20081123051722.GA29253@rivest.dlitz.net>
MIME-Version: 1.0
Content-Type: multipart/signed; micalg=pgp-sha1;
```

```
protocol="application/pgp-signature"; boundary="YiEDa0DAkWCtVeE4"
Content-Disposition: inline
X-Primary-Address: dlitz@dlitz.net
X-Homepage: http://www.dlitz.net/
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;
id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);
preference=unprotected
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;
id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);
preference=signencrypt
User-Agent: Mutt/1.5.16 (2007-06-11)
Status: RO
Content-Length: 3461
Lines: 78
--YiEDa0DAkWCtVeE4
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Disposition: inline
Content-Transfer-Encoding: quoted-printable
Hi Andrew.
People often ask me what license PyCrypto is covered by, if it's=20
GPL-compatible, etc. Right now, I'm not really sure what to tell them. =20
The text in the current LICENSE file (quoted below) is not entirely clear=
=20
on the point of whether distributing modified versions is allowed. (It=20
says "distribute and use", but not "modify".)
 Distribute and use freely; there are no restrictions on further
 dissemination and usage except those imposed by the laws of your
 country of residence. This software is provided "as is" without
 warranty of fitness for use or suitability for any purpose, express
 or implied. Use at your own risk or not at all.
 Incorporating the code into commercial products is permitted; you do
 not have to make source available or contribute your changes back
 (though that would be nice).
 --amk
                            (www.amk.ca)
```

For the next PyCrypto release, I'd like to take steps to move toward a=20 clearer licensing regime. I'm asking as many copyright holders as I can=20 find, starting with you, if I can release PyCrypto under something clearer= =20

and more standard. Below, I have quoted a public domain dedication that=20 was recommended in _Intellectual Property and Open Source: A Practical=20 Guide to Protecting Code, by Van Lindberg.

May I, on your behalf, dedicate to the public domain your considerable=20 contributions to PyCrypto, with the following notice?

```
The contents of this file are dedicated to the public domain. To the
extent that dedication to the public domain is not available, everyone
is granted a worldwide, perpetual, royalty-free, non-exclusive license
to exercise all rights associated with the contents of this file for
any purpose whatsoever. No rights are reserved.
Regards,
```

- Dwayne

--=20

Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7 Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45

--YiEDa0DAkWCtVeE4

Content-Type: application/pgp-signature; name="signature.asc"

Content-Description: Digital signature

Content-Disposition: inline

----BEGIN PGP SIGNATURE-----

Version: GnuPG v1.4.5 (GNU/Linux)

iEYEARECAAYFAkko52IACgkQHBG4d+eAS0XPPQCfcyQ2DdAXKg9N7Z+jeSFFD5EZ yloAn33a3ZjkteyJaTbzEqImOEW8JGpf

=aBEW

----END PGP SIGNATURE-----

--YiEDa0DAkWCtVeE4--

From amk@amk.ca Sun Nov 23 07:51:59 2008

X-Maildir-Dup-Checked: Yes

Return-Path: <amk@amk.ca>

X-Original-To: dwon@rivest.dlitz.net Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6]) by rivest.dlitz.net (Postfix) with ESMTP id 5C2C75047D

for <dwon@rivest.dlitz.net>; Sun, 23 Nov 2008 07:51:59 -0500 (EST)

Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id D632D10111

for <dwon@rivest.dlitz.net>; Sun, 23 Nov 2008 06:51:58 -0600 (CST)

Received: (vmailmgr-postfix 12026 invoked by uid 1003); 23 Nov 2008 06:51:58 -0600

Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: none (goedel.dlitz.net: domain of amk@amk.ca does not designate permitted sender hosts)

Received: from mail5.sea5.speakeasy.net (mail5.sea5.speakeasy.net [69.17.117.7])

by goedel.dlitz.net (Postfix) with ESMTP id 97DC710105

for <dlitz@dlitz.net>; Sun, 23 Nov 2008 06:51:58 -0600 (CST)

Received: (qmail 3992 invoked from network); 23 Nov 2008 12:51:52 -0000

Received: from dsl092-163-165.wdc2.dsl.speakeasy.net (HELO localhost) (akuchling@[66.92.163.165])

(envelope-sender <amk@amk.ca>)

by mail5.sea5.speakeasy.net (qmail-ldap-1.03) with AES256-SHA encrypted SMTP

for <dlitz@dlitz.net>; 23 Nov 2008 12:51:52 -0000

Date: Sun, 23 Nov 2008 07:51:34 -0500 From: "A.M. Kuchling" <amk@amk.ca>

To: "Dwayne C. Litzenberger" <dlitz@dlitz.net>

Subject: Re: PyCrypto license clarification

Message-ID: <20081123125134.GA21239@amk.local>

Reply-To: amk@amk.ca

References: <20081123051722.GA29253@rivest.dlitz.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Disposition: inline

In-Reply-To: <20081123051722.GA29253@rivest.dlitz.net>

User-Agent: Mutt/1.5.13 (2006-08-11)

Status: RO

Content-Length: 537

Lines: 15

- > People often ask me what license PyCrypto is covered by, if it's
- > GPL-compatible, etc. Right now, I'm not really sure what to tell them.
- > The text in the current LICENSE file (quoted below) is not entirely clear
- > on the point of whether distributing modified versions is allowed. (It
- > says "distribute and use", but not "modify".)

The intention is that it be public domain.

- > May I, on your behalf, dedicate to the public domain your considerable
- > contributions to PyCrypto, with the following notice?

You may.

--amk

From dlitz@dlitz.net Sun Aug 2 21:48:25 2009

Date: Sun, 2 Aug 2009 21:48:25 -0400

From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>

To: Paul Swartz <paulswartz@gmail.com> Subject: PyCrypto license clarification

Message-ID: <20090803014825.GA1326@rivest.dlitz.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Disposition: inline

User-Agent: Mutt/1.5.16 (2007-06-11)

Status: RO

Content-Length: 2631

Hi Paul.

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at http://www.pycrypto.org/.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

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Incorporating the code into commercial products is permitted; you do not have to make source available or contribute your changes back (though that would be nice).

--amk (www.amk.ca)

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contributions.

I understand that you have made contributions to PyCrypto, under nickname "z3p" and/or other names. May I, on your behalf, dedicate to the public domain all your contributions to PyCrypto, with the following notice?

The contents of this file are dedicated to the public domain. To the extent that dedication to the public domain is not available, everyone is granted a worldwide, perpetual, royalty-free, non-exclusive license to exercise all rights associated with the contents of this file for any purpose whatsoever. No rights are reserved.

Regards,

- Dwayne

--

Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From paulswartz@gmail.com Mon Aug 3 12:14:07 2009

X-Maildir-Dup-Checked: Yes

Return-Path: <paulswartz@gmail.com>
X-Original-To: dwon@rivest.dlitz.net
Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6])

by rivest.dlitz.net (Postfix) with ESMTP id 30B9D984FC4

for <dwon@rivest.dlitz.net>; Mon, 3 Aug 2009 12:14:07 -0400 (EDT)

Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id AD9AE81068

for <dwon@rivest.dlitz.net>; Mon, 3 Aug 2009 10:14:06 -0600 (CST)

Received: (vmailmgr-postfix 32055 invoked by uid 1003); 3 Aug 2009 10:14:06 -0600

Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: pass (gmail.com ... _spf.google.com: 72.14.220.159 is authorized to use 'paulswartz@gmail.com' in 'mfrom' identity (mechanism 'ip4:72.14.192.0/18' matched)) receiver=goedel.dlitz.net; identity=mfrom; envelope-

from="paulswartz@gmail.com"; helo=fg-out-1718.google.com; client-ip=72.14.220.159

Received: from fg-out-1718.google.com (fg-out-1718.google.com [72.14.220.159])

by goedel.dlitz.net (Postfix) with ESMTP id 4E63881066

for <dlitz@dlitz.net>; Mon, 3 Aug 2009 10:14:05 -0600 (CST)

Received: by fg-out-1718.google.com with SMTP id d23so1076840fga.3

for <dlitz@dlitz.net>; Mon, 03 Aug 2009 09:14:04 -0700 (PDT)

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;

d=gmail.com; s=gamma;

h=domainkey-signature:mime-version:received:in-reply-to:references

:from:date:message-id:subject:to:content-type

:content-transfer-encoding;

bh=A0RHBf0TnribKS5qOHJ3WYbkZ+b0cuPeuoKAvpApWcc=;

```
b=gyTqkRhKlHadFKIZCBWsRbnMNVDq1PWlJbyC0EvxPskaoHr3HAR96MWQNBePu/40Ac
        Vn55qlIqTdom4e9zlUEE6MwZo9kqi/Qw0L/SLib0DlQeNqo/eHYqPmuVswltaYwNAyMJacket Market Mar
        Y9++76rPGzqYdALsfvsmwv7Q3/bEmjVTr0tQE=
DomainKey-Signature: a=rsa-sha1; c=nofws;
       d=gmail.com; s=gamma;
      h=mime-version:in-reply-to:references:from:date:message-id:subject:to
        :content-type:content-transfer-encoding;
       b=jze7KSMkUGilfVCXKXaaXMi5NAtGdMQOtVZZfRNyGSy68xOd2sxefjyyig3EfT6Nv6
        Q3opUMsT96Q6zjZND55w446kTh2uBTNz4d3NwIeEWJnG3xcliRQu/mXPFp8AzPI3CefL
        1ornJLM1eQ2XyuZA73jem+SJtfdHUcSD1UhgI=
MIME-Version: 1.0
Received: by 10.239.157.147 with SMTP id q19mr601802hbc.61.1249316043185; Mon,
03 Aug 2009 09:14:03 -0700 (PDT)
In-Reply-To: <20090803014825.GA1326@rivest.dlitz.net>
References: <20090803014825.GA1326@rivest.dlitz.net>
From: Paul Swartz <paulswartz@gmail.com>
Date: Mon, 3 Aug 2009 12:13:43 -0400
Message-ID: <324cfb540908030913x71d331f0kb069052f74e5ae6b@mail.gmail.com>
Subject: Re: PyCrypto license clarification
To: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
Content-Type: text/plain; charset=UTF-8
Content-Transfer-Encoding: quoted-printable
Status: RO
X-Status: A
Content-Length: 1450
On Sun, Aug 2, 2009 at 9:48 PM, Dwayne C. Litzenberger < dlitz@dlitz.net> wro=
te:
> Hi Paul.
> I am the new maintainer of the Python Cryptography Toolkit, and I am
> working on a new release at http://www.pycrypto.org/.
That's great!
> I understand that you have made contributions to PyCrypto, under nickname
> "z3p" and/or other names. =C2=A0May I, on your behalf, dedicate to the pu=
blic
> domain all your contributions to PyCrypto, with the following notice?
>
> =C2=A0The contents of this file are dedicated to the public domain. =C2=
=A0To the
> =C2=A0extent that dedication to the public domain is not available, every=
```

> =C2=A0is granted a worldwide, perpetual, royalty-free, non-exclusive lice=

```
nse
> =C2=A0to exercise all rights associated with the contents of this file fo=
> =C2=A0any purpose whatsoever. =C2=A0No rights are reserved.
Yes, that's fine. Good luck with the new release!
-p
--=20
Paul Swartz
paulswartz at gmail dot com
http://paulswartz.net/
AIM: z3penguin
From dlitz@dlitz.net Mon Aug 3 14:35:01 2009
Date: Mon, 3 Aug 2009 14:35:01 -0400
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
To: Paul Swartz <paulswartz@gmail.com>
Subject: Re: PyCrypto license clarification
Message-ID: <20090803183501.GA17472@rivest.dlitz.net>
References: <20090803014825.GA1326@rivest.dlitz.net>
<324cfb540908030913x71d331f0kb069052f74e5ae6b@mail.gmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1; format=flowed
Content-Disposition: inline
Content-Transfer-Encoding: 8bit
In-Reply-To: <324cfb540908030913x71d331f0kb069052f74e5ae6b@mail.gmail.com> \\
X-Primary-Address: dlitz@dlitz.net
X-Homepage: http://www.dlitz.net/
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;
id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);
preference=unprotected
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;
id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);
preference=signencrypt
User-Agent: Mutt/1.5.16 (2007-06-11)
Status: RO
Content-Length: 1250
On Mon, Aug 03, 2009 at 12:13:43PM -0400, Paul Swartz wrote:
>On Sun, Aug 2, 2009 at 9:48 PM, Dwayne C. Litzenberger<dlitz@dlitz.net> wrote:
>> Hi Paul,
```

>> I am the new maintainer of the Python Cryptography Toolkit, and I am

```
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>That's great!
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>> "z3p" and/or other names. May I, on your behalf, dedicate to the public
>> domain all your contributions to PyCrypto, with the following notice?
>> ==========
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>> extent that dedication to the public domain is not available, everyone
>> is granted a worldwide, perpetual, royalty-free, non-exclusive license
>> to exercise all rights associated with the contents of this file for
>> any purpose whatsoever. No rights are reserved.
>Yes, that's fine. Good luck with the new release!
Perfect! Thanks for the quick response!
Dwayne C. Litzenberger <dlitz@dlitz.net>
Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7
From dlitz@dlitz.net Mon May 4 22:49:14 2009
Date: Mon, 4 May 2009 22:49:14 -0400
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
To: Joris Bontje <joris@bontje.nl>
Subject: PyCrypto license clarification
Message-ID: <20090505024914.GA9219@rivest.dlitz.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Disposition: inline
User-Agent: Mutt/1.5.16 (2007-06-11)
Status: RO
Content-Length: 2553
Hi Joris.
I am the new maintainer of the Python Cryptography Toolkit, and I am
working on a new release at http://www.pycrypto.org/.
People often ask me what license PyCrypto is covered by, if it's
GPL-compatible, etc. Right now, I'm not really sure what to tell them.
The text in the current LICENSE file (quoted below) is not entirely clear
on the point of whether distributing modified versions is allowed. (It
says "distribute and use", but not "modify".)
```

Open Source Used In Video Service Manager Sofware Version 10.03.00 1106

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--amk (www.amk.ca)

For the next PyCrypto release, I would like to take steps to move toward a clearer licensing regime. I am asking as many copyright holders as I can find if I can release PyCrypto under something clearer and more standard. Below, I have quoted a public domain dedication that was recommended in _Intellectual Property and Open Source: A Practical Guide to Protecting Code_, by Van Lindberg. I have already contacted A. M. Kuchling, Robey Pointer, Barry Warsaw, Wim Lewis, Jeethu Rao, and Mark Moraes, and they have all approved the following dedication for their contributions.

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Regards,

- Dwayne

--

Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From joris@bontje.nl Tue May 5 03:08:32 2009

X-Maildir-Dup-Checked: Yes Return-Path: <joris@bontje.nl>

X-Original-To: dwon@rivest.dlitz.net Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6]) by rivest.dlitz.net (Postfix) with ESMTP id 7AA4B9E5078

for <dwon@rivest.dlitz.net>; Tue, 5 May 2009 03:08:32 -0400 (EDT)

Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id 2315B40583

for <dwon@rivest.dlitz.net>; Tue, 5 May 2009 01:08:32 -0600 (CST)

Received: (vmailmgr-postfix 16890 invoked by uid 1003); 5 May 2009 01:08:32 -0600

Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: none (bontje.nl: No applicable sender policy available) receiver=goedel.dlitz.net; identity=mfrom;

envelope-from="joris@bontje.nl"; helo=smtp6.versatel.nl; client-ip=62.58.50.97

Received: from smtp6.versatel.nl (smtp6.versatel.nl [62.58.50.97])

by goedel.dlitz.net (Postfix) with ESMTP id 2D76A4052C

for <dlitz@dlitz.net>; Tue, 5 May 2009 01:08:30 -0600 (CST)

Received: (qmail 4224 invoked by uid 0); 5 May 2009 07:08:25 -0000

Received: from gmail06.zonnet.nl (HELO dell062.admin.zonnet.nl) ([10.170.1.123])

(envelope-sender < joris@bontje.nl>)

by 10.170.1.96 (qmail-ldap-1.03) with SMTP

for <>; 5 May 2009 07:08:25 -0000

Received: by dell062.admin.zonnet.nl (Postfix, from userid 33)

id 9BE9B15759B; Tue, 5 May 2009 09:08:25 +0200 (CEST)

Received: from firewall66.interaccess.nl (firewall66.interaccess.nl

[193.173.35.66]) by www.webmail.vuurwerk.nl (Horde MIME library) with HTTP;

Tue, 05 May 2009 09:08:25 +0200

Message-ID: <20090505090825.gsq1ps7hg08wwwok@www.webmail.vuurwerk.nl>

Date: Tue, 05 May 2009 09:08:25 +0200

From: joris@bontje.nl

To: "Dwayne C. Litzenberger" <dlitz@dlitz.net>

Subject: Re: PyCrypto license clarification

References: <20090505024914.GA9219@rivest.dlitz.net> In-Reply-To: <20090505024914.GA9219@rivest.dlitz.net>

MIME-Version: 1.0 Content-Type: text/plain; charset=ISO-8859-1; format="flowed"

Content-Disposition: inline Content-Transfer-Encoding: 7bit

User-Agent: Internet Messaging Program (IMP) H3 (4.1.3)

Status: RO X-Status: A

Content-Length: 3488

Hi Dwayne,

Thanks for taking over the PyCrypto library and putting in the required

effort to keep this going.

I was very excited to read that it is now one of the installed

libraries for Google AppsEngine!

You have my full permission to dedicate all my contributions to

PyCrypto to the public domain with your suggested notice:

The contents of this file are dedicated to the public domain. To the extent that dedication to the public domain is not available, everyone is granted a worldwide, perpetual, royalty-free, non-exclusive license to exercise all rights associated with the contents of this file for any purpose whatsoever. No rights are reserved. Regards, **Joris** Citeren "Dwayne C. Litzenberger" <dlitz@dlitz.net>: > Hi Joris, > > I am the new maintainer of the Python Cryptography Toolkit, and I am > working on a new release at http://www.pycrypto.org/. > People often ask me what license PyCrypto is covered by, if it's > GPL-compatible, etc. Right now, I'm not really sure what to tell them. > The text in the current LICENSE file (quoted below) is not entirely clear > on the point of whether distributing modified versions is allowed. (It > says "distribute and use", but not "modify".) > > Distribute and use freely; there are no restrictions on further > dissemination and usage except those imposed by the laws of your > country of residence. This software is provided "as is" without > warranty of fitness for use or suitability for any purpose, express > or implied. Use at your own risk or not at all. > Incorporating the code into commercial products is permitted; you do > not have to make source available or contribute your changes back > (though that would be nice). > > --amk (www.amk.ca) > For the next PyCrypto release, I would like to take steps to move toward a > clearer licensing regime. I am asking as many copyright holders as I can > find if I can release PyCrypto under something clearer and more standard. > Below, I have quoted a public domain dedication that was recommended in > _Intellectual Property and Open Source: A Practical Guide to Protecting > Code_, by Van Lindberg. I have already contacted A. M. Kuchling, Robey > Pointer, Barry Warsaw, Wim Lewis, Jeethu Rao, and Mark Moraes, and they > have all approved the following dedication for their contributions.

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> Regards,
> - Dwayne
> --
> Dwayne C. Litzenberger <dlitz@dlitz.net>
> Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7
From dlitz@dlitz.net Tue May 5 17:53:47 2009
Date: Tue, 5 May 2009 17:53:47 -0400
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
To: joris@bontje.nl
Subject: Re: PyCrypto license clarification
Message-ID: <20090505215347.GB9933@rivest.dlitz.net>
References: <20090505024914.GA9219@rivest.dlitz.net>
<20090505090825.gsq1ps7hg08wwwok@www.webmail.vuurwerk.nl>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Disposition: inline
In-Reply-To: <20090505090825.gsq1ps7hg08wwwok@www.webmail.vuurwerk.nl>
X-Primary-Address: dlitz@dlitz.net
X-Homepage: http://www.dlitz.net/
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;
id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);
preference=unprotected
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;
id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);
preference=signencrypt
User-Agent: Mutt/1.5.16 (2007-06-11)
Status: RO
Content-Length: 3863
Excellent! Thank you!
On Tue, May 05, 2009 at 09:08:25AM +0200, joris@bontje.nl wrote:
```

```
> Hi Dwayne,
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> Regards,
> Joris
> Citeren "Dwayne C. Litzenberger" <dlitz@dlitz.net>:
>> Hi Joris,
>>
>> I am the new maintainer of the Python Cryptography Toolkit, and I am
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>> People often ask me what license PyCrypto is covered by, if it's
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>> warranty of fitness for use or suitability for any purpose, express
>> or implied. Use at your own risk or not at all.
>>
>> Incorporating the code into commercial products is permitted; you do
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>> (though that would be nice).
>>
>> --amk
                                         (www.amk.ca)
>>
```

```
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>> any purpose whatsoever. No rights are reserved.
>> Regards,
>> - Dwayne
>> --
>> Dwayne C. Litzenberger <dlitz@dlitz.net>
>> Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7
>
Dwayne C. Litzenberger <dlitz@dlitz.net>
Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7
Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45
A. HISTORY OF THE SOFTWARE
```

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 (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

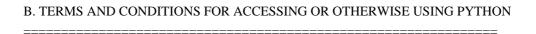
All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Deriv	red Yea	ar Owi	ner GPL-
from	compatible? (1)			
0.9.0 thru 1.2		1991-1995 CWI		'I yes
1.3 thru 1	.5.2 1.2	1995	5-1999 CI	NRI yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.	.com no
1.6.1	1.6	2001	CNRI	no
2.1	2.0+1.6	.1 2001	PSF	no
2.0.1	2.0+1.6	5.1 2001	PSF	yes
2.1.1	2.1+2.0	0.1 2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.



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From dlitz@dlitz.net Wed Aug 27 20:54:38 EDT 2008

X-Maildir-Dup-Checked: Yes Return-Path: <dlitz@dlitz.net>

X-Original-To: dwon@rivest.dlitz.net Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6]) by rivest.dlitz.net (Postfix) with ESMTP id ECFDFC6641D

for <dwon@rivest.dlitz.net>; Wed, 27 Aug 2008 20:45:06 -0400 (EDT)

Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id 99A9D100AA

for <dwon@rivest.dlitz.net>; Wed, 27 Aug 2008 18:45:05 -0600 (CST)

Received: (vmailmgr-postfix 3270 invoked by uid 1003); 27 Aug 2008 18:45:05 -0600

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Received: from stamper.itconsult.co.uk (stamper.itconsult.co.uk

[193.201.42.31]) by m14.stamper.itconsult.co.uk (GMS

15.01.3664/NT8923.00.54dca388) with SMTP id jfxsjqaa for dlitz@dlitz.net;

Thu, 28 Aug 2008 01:45:02 +0100

To: crypt@bis.doc.gov,

enc@nsa.gov,

web_site@bis.doc.gov,

pycrypto@lists.dlitz.net,

PYTHON-CRYPTO@NIC.SURFNET.NL,

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m14.stamper.itconsult.co.uk (GMS 15.01.3664/NT8923.00.54dca388) with ESMTP id

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Received: by rivest.dlitz.net (Postfix, from userid 1000)

id B92F8C66420; Wed, 27 Aug 2008 20:42:55 -0400 (EDT)

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Wed, 27 Aug 2008 20:42:54 -0400

Date: Wed, 27 Aug 2008 20:42:54 -0400

Cc: post@stamper.itconsult.co.uk

Subject: PyCrypto TSU NOTIFICATION

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Message-ID: <20080828004254.GA31214@rivest.dlitz.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Disposition: inline
X-Primary-Address: dlitz@dlitz.net
X-Homepage: http://www.dlitz.net/
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;
id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);
preference=unprotected
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;
id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);
preference=signencrypt
User-Agent: Mutt/1.5.16 (2007-06-11)
X-Delivery-Agent: TMDA/1.1.9 (Jura)
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
X-DNSBL: 0
Status: O
Content-Length: 2182
Lines: 65
----BEGIN PGP SIGNED MESSAGE----
# This is a proof of posting certificate from
# stamper.itconsult.co.uk certifying that a user
# claiming to be:-
   dlitz@dlitz.net
# requested that this message be sent to:-
   crypt@bis.doc.gov
#
   enc@nsa.gov
   web_site@bis.doc.gov
   pycrypto@lists.dlitz.net
   PYTHON-CRYPTO@NIC.SURFNET.NL
   dlitz@dlitz.net
# This certificate was issued at 00:45 (GMT)
# on Thursday 28 August 2008 with reference 0520978
# CAUTION: while the message may well be from the sender
#
      indicated in the "From:" header, the sender
#
      has NOT been authenticated by this service
#
# For information about the Stamper service see
     http://www.itconsult.co.uk/stamper.htm
#
```

SUBMISSION TYPE: TSU

SUBMITTED BY: Dwayne C. Litzenberger SUBMITTED FOR: Dwayne C. Litzenberger POINT OF CONTACT: Dwayne C. Litzenberger

PHONE and/or FAX: +1-613-693-1296

MANUFACTURER: n/a

PRODUCT NAME/MODEL #: The Python Cryptography Toolkit ("PyCrypto")

ECCN: 5D002

NOTIFICATION: http://www.pycrypto.org/

Note: I am a Canadian citizen posting software to my website located in Canada. I am not certain whether PyCrypto contains enough US-origin cryptography to be covered by U.S. export controls, but I am submitting this anyway.

(Sorry for spamming the lists, but I want there to be a record of this.)

- --

Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7 Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45

----BEGIN PGP SIGNATURE-----

Version: 2.6.3i Charset: noconv

Comment: Stamper Reference Id: 0520978

iQEVAgUBSLX1DYGVnbVwth+BAQEcuwf9EWnXLqSO5bPzR9K9QnTPcsKbTljKjPxrd+q0E7eE8VtnvvijUcTAR9o27yvzOPxdFT864MQA7OTSbPK39aGAgA4fgAgvYH9tUNjJ/kv8QLz/aq2fi/HNjyrwnqFnUl0uqwpOrQGbz8Y+SGpVh1gKqy1Ju45L+doqsxbzCOpjgRv2zDdNR/2SnFmDWQXv8dSeonwIHpQDft8/LVA/gHiTDmteQlOhJQ6oXYhY+HbRjsD741/GSpOt9IlN5ln0UgshFoLIndnNSAvWf4aPyh5KCN7ho+/BC0v/W/pqSSlPkwmbhlPHoOltTkNc0qKLAHXqMGJNhO8AkrYZOyJksb0HsA== = 30IX

----END PGP SIGNATURE----

1.184 python-deltarpm 3.6 :3.el7

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1.185 python-ipaddress 1.0.16 :2.el7

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1.186 python-jinja2 2.7.2 :2.el7

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1.187 python-kitchen 1.1.1 :5.el7

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1.189 python-msgpack 0.4.6 :1.el7

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1.190 python-psutil 2.2.1 :1.el7

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1.191 python-requests 2.6.0 :1.el7_1

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1.192 python-six 1.9.0 :2.el7

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1.193 python-tornado 4.2.1 :3.el7

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1.194 python-urlgrabber 3.10 :8.el7

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- * Added Timeout examples in docs
- * Arthur Grunseid http://grunseid.com
- * source_address support and tests (with https://github.com/bui)
- * Ian Cordasco <graffatcolmingov@gmail.com>
- * PEP8 Compliance and Linting
- * Add ability to pass socket options to an HTTP Connection
- * Erik Tollerud <erik.tollerud@gmail.com>
- * Support for standard library io module.
- * Krishna Prasad < kprasad.iitd@gmail.com>
- * Google App Engine documentation
- * Aaron Meurer <asmeurer@gmail.com>
- * Added Url.url, which unparses a Url
- * Evgeny Kapun <abacabadabacaba@gmail.com>
- * Bugfixes
- * Benjamen Meyer
 witness@yahoo.com>
- * Security Warning Documentation update for proper capture
- * Shivan Sornarajah < github@sornars.com>
- $\ensuremath{^{*}}$ Support for using ConnectionPool and PoolManager as context managers.
- * Alex Gaynor <alex.gaynor@gmail.com>
- * Updates to the default SSL configuration
- * [Your name or handle] < [email or website]>
- * [Brief summary of your changes]

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1.196 python-zmq 15.3.0 :2.el7

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Version 3, 29 June 2007

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1.197 PyYAML 3.11

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1.201 rpm 4.11.3 :32.el7

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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) 19yy <name of author>

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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) 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.

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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.....

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Version 2, June 1991

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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.]

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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

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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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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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(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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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.

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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.

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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.

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- 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.

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Appendix: How to Apply These Terms to Your New Libraries

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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

1.202 rsync 3.1.2 :4.el7

1.202.1 Available under license:

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Version 3, 29 June 2007

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For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

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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

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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.

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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.

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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:

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- b) The work must carry prominent notices stating that it is released under this License and any conditions added under section
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1.204 salt 2017.7.7

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Salt - Remote execution system

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```
salt.modules.win_license module
.. automodule:: salt.modules.win_license
 :members:
salt.states.win_license module
.. automodule:: salt.states.win_license
 :members:
 Salt - Remote execution system
 Copyright 2011 Thomas S Hatch
 Licensed under the Apache License, Version 2.0 (the "License");
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   http://www.apache.org/licenses/LICENSE-2.0
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 distributed under the License is distributed on an "AS IS" BASIS.
 WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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 limitations under the License.
# -*- coding: utf-8 -*-
This module allows you to manage windows licensing via slmgr.vbs
```

salt '*' license.install XXXXX-XXXXX-XXXXX-XXXXX

.. code-block:: bash

```
# Import Python Libs
from __future__ import absolute_import
import re
import logging
# Import Salt Libs
import salt.utils
log = logging.getLogger(__name__)
__virtualname__ = 'license'
def __virtual__():
 Only work on Windows
 if salt.utils.is windows():
    return __virtualname__
 return False
def installed(product_key):
 Check to see if the product key is already installed.
 Note: This is not 100% accurate as we can only see the last
  5 digits of the license.
 CLI Example:
 .. code-block:: bash
    salt '*' license.installed XXXXX-XXXXX-XXXXXX-XXXXX
 out = __salt__['cmd.run'](cmd)
 return product_key[-5:] in out
def install(product_key):
 Install the given product key
 CLI Example:
 .. code-block:: bash
```

```
cmd = r'cscript C:\Windows\System32\slmgr.vbs /ipk {0}'.format(product_key)
 return __salt__['cmd.run'](cmd)
def uninstall():
 Uninstall the current product key
 CLI Example:
 .. code-block:: bash
   salt '*' license.uninstall
 cmd = r'cscript C:\Windows\System32\slmgr.vbs /upk'
 return __salt__['cmd.run'](cmd)
def activate():
 Attempt to activate the current machine via Windows Activation
 CLI Example:
 .. code-block:: bash
   salt '*' license.activate
 cmd = r'cscript C:\Windows\System32\slmgr.vbs /ato'
 return __salt__['cmd.run'](cmd)
def licensed():
 Return true if the current machine is licensed correctly
 CLI Example:
 .. code-block:: bash
   salt '*' license.licensed
 cmd = r'cscript C:\Windows\System32\slmgr.vbs /dli'
 out = \underline{\quad} salt\underline{\quad} ['cmd.run'](cmd)
 return 'License Status: Licensed' in out
```

```
def info():
      Return information about the license, if the license is not
      correctly activated this will return None.
      CLI Example:
      .. code-block:: bash
              salt '*' license.info
      cmd = r'cscript C:\Windows\System32\slmgr.vbs /dli'
      out = __salt__['cmd.run'](cmd)
      match = re.search(r'Name: (.*)\r\nDescription: (.*)\r\nPartial Product Key: (.*)\r\nLicense Status: (.*)', out, and the product Key: (.*)\r\nDescription: 
                                          re.MULTILINE)
      if match is not None:
              groups = match.groups()
              return {
                       'name': groups[0],
                      'description': groups[1],
                       'partial_key': groups[2],
                      'licensed': 'Licensed' in groups[3]
               }
      return None
# -*- coding: utf-8 -*-
Installation and activation of windows licenses
Install and activate windows licenses
.. code-block:: yaml
      XXXXX-XXXXX-XXXXX-XXXXX:
          license.activate
# Import python libs
from __future__ import absolute_import
import logging
# Import Salt Libs
import salt.utils
```

```
log = logging.getLogger(__name__)
__virtualname__ = 'license'
def __virtual__():
 Only work on Windows
 if salt.utils.is_windows():
    return __virtualname__
 return False
def activate(name):
 Install and activate the given product key
 name
    The 5x5 product key given to you by Microsoft
 ret = { 'name': name,
      'result': True,
      'comment': ",
      'changes': {}}
 product_key = name
 license_info = __salt__['license.info']()
 licensed = False
 key_match = False
 if license_info is not None:
    licensed = license_info['licensed']
    key_match = license_info['partial_key'] in product_key
 if not key_match:
    out = __salt__['license.install'](product_key)
    licensed = False \\
    if 'successfully' not in out:
       ret['result'] = False
       ret['comment'] += 'Unable to install the given product key is it valid?'
       return ret
 if not licensed:
    out = __salt__['license.activate']()
    if 'successfully' not in out:
       ret['result'] = False
       ret['comment'] += 'Unable to activate the given product key.'
       return ret
```

```
ret['comment'] += 'Windows is now activated.'
 else:
    ret['comment'] += 'Windows is already activated.'
Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: salt
Upstream-Contact: salt-users@googlegroups.com
Source: https://github.com/saltstack/salt
Files: *
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```

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Files: salt/auth/pam.py

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```
# -*- coding: utf-8 -*-
# Import Python libs
from __future__ import absolute_import
# Import Salt Libs
import salt.modules.win_license as win_license
# Import Salt Testing Libs
from tests.support.mixins import LoaderModuleMockMixin
from tests.support.unit import TestCase
from tests.support.mock import (
 MagicMock,
 patch
)
class LicenseTestCase(TestCase, LoaderModuleMockMixin):
 def setup_loader_modules(self):
    return {win_license: {}}
 def test_installed(self):
      Test to see if the given license key is installed
    mock = MagicMock(return_value='Partial Product Key: ABCDE')
    with patch.dict(win_license.__salt__, {'cmd.run': mock}):
      out = win_license.installed('AAAAA-AAAAA-AAAAA-AAAA-AAAA-ABCDE')
      mock.assert_called_once_with(r'cscript C:\Windows\System32\slmgr.vbs /dli')
```

```
self.assertTrue(out)
def test_installed_diff(self):
    Test to see if the given license key is installed when the key is different
  mock = MagicMock(return value='Partial Product Key: 12345')
  with patch.dict(win_license.__salt__, {'cmd.run': mock}):
    out = win_license.installed('AAAAA-AAAAA-AAAAA-AAAA-AAAA-ABCDE')
    mock.assert called once with(r'cscript C:\Windows\System32\slmgr.vbs/dli')
    self.assertFalse(out)
def test install(self):
    Test installing the given product key
  mock = MagicMock()
  with patch.dict(win license. salt , {'cmd.run': mock}):
    win_license.install('AAAAA-AAAAA-AAAAA-AAAA-AAAA-ABCDE')
    mock.assert_called_once_with(r'cscript C:\Windows\System32\slmgr.vbs /ipk '
                     'AAAAA-AAAAA-AAAA-AAAA-ABCDE')
def test_uninstall(self):
    Test uninstalling the given product key
  mock = MagicMock()
  with patch.dict(win_license.__salt__, {'cmd.run': mock}):
    win license.uninstall()
    mock.assert_called_once_with(r'cscript C:\Windows\System32\slmgr.vbs /upk')
def test_activate(self):
    Test activating the current product key
  mock = MagicMock()
  with patch.dict(win_license.__salt__, {'cmd.run': mock}):
    win_license.activate()
    mock.assert_called_once_with(r'cscript C:\Windows\System32\slmgr.vbs /ato')
def test_licensed(self):
    Test checking if the minion is licensed
  mock = MagicMock(return_value='License Status: Licensed')
  with patch.dict(win_license.__salt__, {'cmd.run': mock}):
    win_license.licensed()
    mock.assert_called_once_with(r'cscript C:\Windows\System32\slmgr.vbs /dli')
```

```
def test_info(self):
      Test getting the info about the current license key
    expected = {
      'description': 'Prof',
      'licensed': True,
      'name': 'Win7',
      'partial_key': '12345'
    mock = MagicMock(return_value='Name: Win7\r\nDescription: Prof\r\nPartial Product Key: 12345\r\n'
                      'License Status: Licensed')
    with patch.dict(win_license.__salt__, {'cmd.run': mock}):
      out = win_license.info()
      mock.assert\_called\_once\_with (r'cscript~C:\Windows\System 32\slmgr.vbs~/dli')
      self.assertEqual(out, expected)
# -*- coding: utf-8 -*-
# Import Python libs
from __future__ import absolute_import
# Import Salt Libs
import salt.states.win_license as win_license
# Import Salt Testing Libs
from tests.support.mixins import LoaderModuleMockMixin
from tests.support.unit import TestCase
from tests.support.mock import (
 MagicMock,
 patch
)
class LicenseTestCase(TestCase, LoaderModuleMockMixin):
 def setup_loader_modules(self):
    return {win_license: {}}
 def test_activate(self):
      Test activating the given product key
    expected = {
      'changes': {},
      'comment': 'Windows is now activated.',
      'name': 'AAAAA-AAAAA-AAAAA-AAAA-ABCDE',
```

```
'result': True
  info = {
    'description': 'Prof',
    'licensed': False,
    'name': 'Win7',
    'partial_key': 'XXXXX'
  info_mock = MagicMock(return_value=info)
  install_mock = MagicMock(return_value='Installed successfully')
  activate_mock = MagicMock(return_value='Activated successfully')
  with patch.dict(win_license.__salt__, { 'license.info': info_mock,
                         'license.install': install_mock,
                         'license.activate': activate_mock}):
    out = win_license.activate('AAAAA-AAAAA-AAAAA-AAAA-AAAA-ABCDE')
    info mock.assert called once with()
    install_mock.assert_called_once_with('AAAAA-AAAAA-AAAA-AAAA-AAAA-ABCDE')
    activate_mock.assert_called_once_with()
    self.assertEqual(out, expected)
def test_installed_not_activated(self):
    Test activating the given product key when the key is installed but not activated
  expected = {
    'changes': {},
    'comment': 'Windows is now activated.',
    'name': 'AAAAA-AAAAA-AAAA-AAAA-ABCDE',
    'result': True
  info = {
    'description': 'Prof',
    'licensed': False,
    'name': 'Win7',
    'partial_key': 'ABCDE'
  info_mock = MagicMock(return_value=info)
  install_mock = MagicMock(return_value='Installed successfully')
  activate_mock = MagicMock(return_value='Activated successfully')
  with patch.dict(win_license.__salt__, { 'license.info': info_mock,
                         'license.install': install_mock,
                         'license.activate': activate_mock}):
    out = win_license.activate('AAAAA-AAAAA-AAAAA-AAAA-AAAA-ABCDE')
    info_mock.assert_called_once_with()
```

```
assert not install_mock.called
    activate_mock.assert_called_once_with()
     self.assertEqual(out, expected)
def test_installed_activated(self):
    Test activating the given product key when its already activated
  expected = {
    'changes': {},
     'comment': 'Windows is already activated.',
     'name': 'AAAAA-AAAAA-AAAAA-AAAA-ABCDE',
    'result': True
  info = {
    'description': 'Prof',
     'licensed': True,
    'name': 'Win7',
     'partial_key': 'ABCDE'
  info_mock = MagicMock(return_value=info)
  install_mock = MagicMock(return_value='Installed successfully')
  activate\_mock = MagicMock(return\_value='Activated\ successfully')
  with patch.dict(win_license.__salt__, { 'license.info': info_mock,
                         'license.install': install mock,
                         'license.activate': activate_mock}):
    out = win_license.activate('AAAAA-AAAAA-AAAAA-AAAA-AAAA-ABCDE')
    info_mock.assert_called_once_with()
    assert not install_mock.called
    assert not activate_mock.called
    self.assertEqual(out, expected)
def test_installed_install_fail(self):
    Test activating the given product key when the install fails
  expected = {
     'changes': {},
     'comment': 'Unable to install the given product key is it valid?',
     'name': 'AAAAA-AAAAA-AAAA-AAAA-ABCDE',
     'result': False
  info = {
     'description': 'Prof',
     'licensed': False,
```

```
'name': 'Win7',
      'partial_key': '12345'
   info_mock = MagicMock(return_value=info)
   install_mock = MagicMock(return_value='Failed')
    activate mock = MagicMock()
    with patch.dict(win_license.__salt__, { 'license.info': info_mock,
                          'license.install': install_mock,
                          'license.activate': activate mock}):
      out = win_license.activate('AAAAA-AAAAA-AAAAA-AAAA-AAAA-ABCDE')
      info_mock.assert_called_once_with()
      install_mock.assert_called_once_with('AAAAA-AAAAA-AAAA-AAAA-AAAA-ABCDE')
      assert not activate_mock.called
      self.assertEqual(out, expected)
 def test_installed_activate_fail(self):
      Test activating the given product key when the install fails
   expected = {
      'changes': {},
      'comment': 'Unable to activate the given product key.',
      'name': 'AAAAA-AAAAA-AAAA-AAAA-ABCDE',
      'result': False
    }
   info = {
      'description': 'Prof',
      'licensed': False,
      'name': 'Win7',
      'partial_key': 'ABCDE'
   info_mock = MagicMock(return_value=info)
   install_mock = MagicMock()
    activate_mock = MagicMock(return_value='Failed to activate')
    with patch.dict(win_license.__salt__, { 'license.info': info_mock,
                          'license.install': install_mock,
                          'license.activate': activate_mock}):
      out = win_license.activate('AAAAA-AAAAA-AAAAA-AAAA-AAAA-ABCDE')
      info_mock.assert_called_once_with()
      assert not install_mock.called
      activate_mock.assert_called_once_with()
      self.assertEqual(out, expected)
salt.modules.win_license module
```

.. automodule:: salt.states.win_license
:members:

1.205 sendmail 8.14.7 :5.el7

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\$Id: BSD.m4,v 8.6 1999/05/27 22:03:28 peterh Exp \$

depend: \${BEFORE} \${LINKS}
@mv Makefile Makefile.old

@sed -e '/^# Do not edit or remove this line or anything below it.\$\$/,\$\$d' < Makefile.old > Makefile @echo "# Do not edit or remove this line or anything below it." >> Makefile mkdep -a -f Makefile \${COPTS} \${SRCS}

End of \$RCSfile: BSD.m4,v \$

1.206 servlet-api 2.5-20081211

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1.212 snmp4j-agent 2.3.3

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1.214 Spring Integration 1.0.3.RELEASE

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1.215 Spring LDAP Core 1.3.1.RELEASE

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1.216 spring-aop 3.2.11.RELEASE

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3.2.11.RELEASE

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1.241 tornado 4.2.1

1.242 unzip 6.0 :19.el7

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*

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*

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*

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1.243 urw-fonts 2.4 :16.el7

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1.244 uuid 3.3.2

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1.245 w3c.dom.events 3.0.0

:3.0.0.draft20060413 v200905140418

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1.249 XPP3 1.1.4c

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1.250 xz-java_ASLv2.0 1.8 :1

1.250.1 Available under license:

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Upstream-Name: XZ for Java

Upstream-Contact: Lasse Collin classe.collin@tukaani.org

Source: http://git.tukaani.org/?p=xz-java.git

Files: *

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1.251 yum 3.4.3 :158.el7.centos

1.251.1 Available under license:

```
diff -up yum-3.4.3/yum/update_md.py.org yum-3.4.3/yum/update_md.py
--- yum-3.4.3/yum/update_md.py.org 2017-01-24 18:55:03.529842775 +0100
+++ yum-3.4.3/yum/update_md.py 2017-01-24 18:55:57.213511475 +0100
@@ -58,7 +58,7 @@ class UpdateNotice(object):
  A single update notice (for instance, a security fix).
- def __init__(self, elem=None):
+ def __init__(self, elem=None, repoid=None, vlogger=None):
    self. md = {
       'from'
                    : ",
       'type'
                    : ",
@@ -83,6 +83,9 @@ class UpdateNotice(object):
    if elem:
       self._parse(elem)
      self._repoid = repoid
      self._vlogger = vlogger
  def __getitem__(self, item):
     """ Allows scriptable metadata access (ie: un['update_id']). """
    if type(item) is int:
@@ -103,6 +106,24 @@ class UpdateNotice(object):
    # Tests to see if it's "the same data", which means that the
    # packages can be different (see add_notice).
      def rid(un):
        if hasattr(un, '_repoid') and un._repoid is not None:
           return un._repoid
        else:
           return '<unknown>'
      def _log_failure(data):
        """Log the mismatched data similarly to conflict markers in git."""
        if self._vlogger is None:
        msg = \_('Duplicate of %s differs in some fields:\n')
```

```
msg %= other._md['update_id']
        msg += '<<<< %s:%s\n' % (_rid(other), data)
+
        msg += '\%r = ==== n\%r ' \% (other._md[data], self._md[data])
        msg += '>>>> %s:%s' % (_rid(self), data)
        # --verbose mode enables this
        self._vlogger.log(logginglevels.DEBUG_3, msg)
    if not other or not hasattr(other, '_md'):
       return False
@@ -113,6 +134,7 @@ class UpdateNotice(object):
       if data == 'status': # FIXME: See below...
       if self._md[data] != other._md[data]:
           _log_failure(data)
         return False
    # FIXME: Massive hack, Fedora is really broken and gives status=stable
    # and status=testing for updateinfo notices, just depending on which
@@ -120,8 +142,10 @@ class UpdateNotice(object):
    data = 'status'
    if self. md[data] != other. md[data]:
       if self._md[data] not in ('stable', 'testing'):
           _log_failure(data)
         return False
       if other._md[data] not in ('stable', 'testing'):
           log failure(data)
         return False
       # They are both really "stable" ...
       self. md[data] = 'stable'
@@ -574,7 +598,7 @@ class UpdateMetadata(object):
    for event, elem in safe_iterparse(infile, logger=self._logger):
       if elem.tag == 'update':
         try:
            un = UpdateNotice(elem)
             un = UpdateNotice(elem, repoid, self._vlogger)
         except UpdateNoticeException, e:
            msg = _("An update notice%s is broken, skipping.") % _rid(repoid)
            if self._vlogger:
@@ -587,6 +611,8 @@ class UpdateMetadata(object):
            msg = _("Update notice %s%s is broken, or a bad duplicate, skipping.") % (un['update_id'],
_rid(repoid))
            if not have_dup:
              msg += _('\nYou should report this problem to the owner of the %srepository.') % _rid(repoid, "%s")
                msg += _('\nIf you are the owner, consider re-running the same command with --verbose to see the '
                     'exact data that caused the conflict.')
            have_dup = True
            if self._vlogger:
              self._vlogger.warn("%s", msg)
```

```
diff --git a/yum/update_md.py b/yum/update_md.py
--- a/yum/update_md.py 2015-01-19 07:44:35.567107008 -0500
+++ b/yum/update_md.py 2015-01-19 08:57:31.576489424 -0500
@@ -398,6 +399,9 @@ class UpdateMetadata(object):
       except Errors.RepoMDError:
          continue # No metadata found for this repo
      self.arch_storage = ArchStorage()
      self.archlist = self.arch_storage.archlist
  def get_notices(self, name=None):
     """ Return all notices. """
    if name is None:
@@ -434,16 +438,29 @@ class UpdateMetadata(object):
    name = oldpkgtup[0]
    arch = oldpkgtup[1]
    ret = []
      other arch list = []
      notices = set()
    for notice in self.get_notices(name):
       for upkg in notice['pkglist']:
         for pkg in upkg['packages']:
             other\_arch = False
            if pkg['name'] != name or pkg['arch'] != arch:
               continue
                if (notice not in notices and pkg['name'] == name and pkg['arch'] in self.archlist):
                  other arch = True
                else:
                  continue
            pkgtup = (pkg['name'], pkg['arch'], pkg['epoch'] or '0',
                  pkg['version'], pkg['release'])
            if _rpm_tup_vercmp(pkgtup, oldpkgtup) <= 0:
              continue
            ret.append((pkgtup, notice))
             if other arch:
                other_arch_list.append((pkgtup, notice))
             else:
                ret.append((pkgtup, notice))
                notices.add(notice)
+
      for pkgtup, notice in other_arch_list:
+
+
        if notice not in notices:
           ret.append((pkgtup, notice))
    ret.sort(cmp=_rpm_tup_vercmp, key=lambda x: x[0], reverse=True)
    return ret
diff -up yum-3.4.3/yum/update_md.py.old yum-3.4.3/yum/update_md.py
--- yum-3.4.3/yum/update_md.py.old 2015-05-28 19:23:35.589691937 +0200
+++ yum-3.4.3/yum/update_md.py 2015-05-28 19:24:05.971806965 +0200
```

@@ -33,6 +33,7 @@ import Errors import logginglevels

import rpmUtils.miscutils
+from rpmUtils.arch import ArchStorage

def safe_iterparse(filename, logger=None):
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Version 2. June 1991

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1.253 zeromq 4.1.4 :5.el7

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