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base64.cpp and base64.h

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Ren Nyffenegger [rene.nyffenegger@adp-gmbh.ch](mailto:rene.nyffenegger@adp-gmbh.ch)

\*\*\*\*\* SHA1 Library (sha1/sha1.hpp) \*\*\*\*\*

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md5.hpp is a reformulation of the md5.h and md5.c code from <http://www.opensource.apple.com/source/cups/cups-59/cups/md5.c> to allow it to function as a component of a header only library. This conversion was done by Peter Thorson ([webmaster@zaphoyd.com](mailto:webmaster@zaphoyd.com)) in 2012 for the WebSocket++ project. The changes are released under the same license as the original (listed below)

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L. Peter Deutsch  
[ghost@aladdin.com](mailto:ghost@aladdin.com)

\*\*\*\*\* UTF8 Validation logic (utf8\_validation.hpp) \*\*\*\*\*

utf8\_validation.hpp is adapted from code originally written by Bjoern Hoehrmann <[bjoern@hoehrmann.de](mailto:bjoern@hoehrmann.de)>. See <http://bjoern.hoehrmann.de/utf-8/decoder/dfa/> for details.

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## HTML parser and pretty printer

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helped with testing, bug fixes and suggestions for improvements.  
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```
<one line to give the program's name and a brief idea of what it does.>  
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```

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```
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This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c'  
for details.
```

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`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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The End

## 1.9 safestring 2.0

### 1.9.1 Available under license :

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* safe_mem_lib.h -- Safe C Library Memory APIs  
*  
* October 2008, Bo Berry  
*  
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*/
```

Found in path(s):

\* /safe-lib-2-0-1-tar-gz/safe\_lib\_2\_0/include/safe\_mem\_lib.h  
No license file was found, but licenses were detected in source scan.

```
/*-----  
* strljustify_s.c  
*  
* November 2008, Bo Berry  
*  
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*-----  
*/
```

Found in path(s):

\* /safe-lib-2-0-1-tar-gz/safe\_lib\_2\_0/src/safe\_string/strljustify\_s.c  
No license file was found, but licenses were detected in source scan.

```
/*-----  
* mem_primitives_lib.c - Unguarded Memory Copy Routines  
*  
* February 2005, Bo Berry  
*  
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*-----  
*/
```

Found in path(s):

\* /safe-lib-2-0-1-tar-gz/safe\_lib\_2\_0/src/safe\_string/mem\_primitives\_lib.c

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```
/*-----  
* strcasestr_s.c  
*  
* November 2008, Bo Berry  
*  
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*/
```

Found in path(s):

\* /safe-lib-2-0-1-tar-gz/safe\_lib\_2\_0/src/safe\_string/strcasestr\_s.c

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```
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* safe_string.h  
*  
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*-----  
*/
```

Found in path(s):

\* /safe-lib-2-0-1-tar-gz/safe\_lib\_2\_0/include/safe\_string.h

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

```
/*-----  
* strstr_s.c  
*  
* November 2008, Bo Berry  
*  
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*-----  
*/
```

Found in path(s):

\* /safe-lib-2-0-1-tar-gz/safe\_lib\_2\_0/src/safe\_string/strstr\_s.c

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

```
/*-----  
* safe_mem_constraint.h  
*  
* October 2008, Bo Berry  
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*-----  
*/
```

Found in path(s):

\* /safe-lib-2-0-1-tar-gz/safe\_lib\_2\_0/src/safe\_string/safe\_mem\_constraint.h

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```
/*-----  
* strremovews_s.c  
*  
* November 2008, Bo Berry  
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*-----  
*/
```

Found in path(s):

\* /safe-lib-2-0-1-tar-gz/safe\_lib\_2\_0/src/safe\_string/strremovews\_s.c

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```
/*-----  
* strzero_s.c  
*  
* October 2008, Bo Berry  
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*-----  
*/
```

Found in path(s):

\* /safe-lib-2-0-1-tar-gz/safe\_lib\_2\_0/src/safe\_string/strzero\_s.c

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```
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* mem_primitives_lib.h - Unguarded Memory Copy Routines  
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*/

```

Found in path(s):

```

* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/include/mem_primitives_lib.h
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```

```

/*-----
* strcat_s.c
*
* October 2008, Bo Berry
*
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*/

```

Found in path(s):

```

* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/src/safe_string/strcat_s.c
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```

```

/*-----
* strispassword_s.c
*
* October 2008, Bo Berry
*
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*-----
*/

```

Found in path(s):

```

* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/src/safe_string/strispassword_s.c
No license file was found, but licenses were detected in source scan.

```

```

/*-----
* safe_str_constraint.h
*
* October 2008, Bo Berry
*

```

```

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*-----
*/

```

Found in path(s):

```
* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/src/safe_string/safe_str_constraint.h
```

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

```

/*-----
* strlastsame_s.c
*
* November 2008, Bo Berry
*
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*-----
*/

```

Found in path(s):

```
* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/src/safe_string/strlastsame_s.c
```

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

```

/*-----
* safe_limits.h -- limits include for portability
*
* February 2009, Bo Berry
*
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```

```

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*-----
*/

```

Found in path(s):

```
* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/include/safe_limits.h
```

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

```

/*-----
* strlastchar_s.c
*
* November 2008, Bo Berry
*
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*/

```

Found in path(s):

```
* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/src/safe_string/strlastchar_s.c
```

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```

/*-----
* strncat_s.c
*
* October 2008, Bo Berry
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*-----

```



\*/

Found in path(s):

\* /safe-lib-2-0-1-tar-gz/safe\_lib\_2\_0/src/safe\_string/strncat\_s.c

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/\*-----

\* strcpyfldin\_s.c

\*

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/\*-----

\* strisupercase\_s.c

\*

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/\*-----

\* strislowercase\_s.c

\*

\* February 2005, Bo Berry

\*

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\*/

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\* /safe-lib-2-0-1-tar-gz/safe\_lib\_2\_0/src/safe\_string/strislowercase\_s.c

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/\*-----

```

* safe_types.h -- types include for portability
*
* March 2007, Bo Berry
*
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*-----
*/

```

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```
* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/include/safe_types.h
```

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```

/*-----
* strprefix_s.c
*
* November 2008, Bo Berry
*
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*-----
*/

```

Found in path(s):

```
* /safe-lib-2-0-1-tar-gz/safe_lib_2_0/src/safe_string/strprefix_s.c
```

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```

/*-----
* safe_lib.h -- library include for portability
*

```

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/\*-----  
 \* strncpy\_s.c  
 \*  
 \* October 2008, Bo Berry  
 \*  
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 \*-----  
 \*/

Found in path(s):

\* /safe-lib-2-0-1-tar-gz/safe\_lib\_2\_0/src/safe\_string/strncpy\_s.c

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/\*-----  
 \* strishex\_s.c  
 \*  
 \* October 2008, Bo Berry  
 \*

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/\*-----

\* safe\_str\_lib.h -- Safe C Library String APIs

\*

\* October 2008, Bo Berry

\*

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\* strspn\_s.c

\*

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```
*-----  
*/
```

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```
/*-----  
* strpbrk_s.c  
*  
* November 2008, Bo Berry  
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*-----  
*/
```

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```
/*-----  
* strtok_s.c  
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* October 2008, Bo Berry  
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*-----  
*/
```

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# 1.12 adaptivecards 2.9.0

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\* /adaptivecards-zip/adaptivecards/shared/cpp/ObjectModel/TableRow.h  
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\* /adaptivecards-zip/adaptivecards/shared/cpp/ObjectModel/ImageSet.cpp

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\* /adaptivecards-zip/adaptivecards/shared/cpp/ObjectModel/AdaptiveCardParseException.h

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- \* /adaptivecards-zip/adaptivecards/shared/cpp/ObjectModel/MarkdownParsedResult.h

- \* /adaptivecards-zip/adaptivecards/shared/cpp/ObjectModel/ColumnSet.h
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- /adaptivecards-zip/adaptivecards/shared/cpp/ObjectModel/ToggleVisibilityAction.cpp
- \* /adaptivecards-zip/adaptivecards/shared/cpp/ObjectModel/Refresh.h
- \* /adaptivecards-zip/adaptivecards/shared/cpp/ObjectModel/SemanticVersion.h
- \* /adaptivecards-zip/adaptivecards/shared/cpp/ObjectModel/MarkdownBlockParser.cpp
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## 1.17 zlib 1.2.12

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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.

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| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 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                 |
| 2.3            | 2.2.2        | 2002-2003 | PSF        | yes                 |
| 2.3.1          | 2.3          | 2002-2003 | PSF        | yes                 |
| 2.3.2          | 2.3.1        | 2002-2003 | PSF        | yes                 |
| 2.3.3          | 2.3.2        | 2002-2003 | PSF        | yes                 |
| 2.3.4          | 2.3.3        | 2004      | PSF        | yes                 |
| 2.3.5          | 2.3.4        | 2005      | PSF        | yes                 |
| 2.4            | 2.3          | 2004      | PSF        | yes                 |
| 2.4.1          | 2.4          | 2005      | PSF        | yes                 |
| 2.4.2          | 2.4.1        | 2005      | PSF        | yes                 |
| 2.4.3          | 2.4.2        | 2006      | PSF        | yes                 |
| 2.4.4          | 2.4.3        | 2006      | PSF        | yes                 |

|       |       |      |     |     |
|-------|-------|------|-----|-----|
| 2.5   | 2.4   | 2006 | PSF | yes |
| 2.5.1 | 2.5   | 2007 | PSF | yes |
| 2.5.2 | 2.5.1 | 2008 | PSF | yes |
| 2.5.3 | 2.5.2 | 2008 | PSF | yes |
| 2.6   | 2.5   | 2008 | PSF | yes |
| 2.6.1 | 2.6   | 2008 | PSF | yes |
| 2.6.2 | 2.6.1 | 2009 | PSF | yes |
| 2.6.3 | 2.6.2 | 2009 | PSF | yes |
| 2.6.4 | 2.6.3 | 2009 | PSF | yes |
| 2.6.5 | 2.6.4 | 2010 | PSF | yes |
| 3.0   | 2.6   | 2008 | PSF | yes |
| 3.0.1 | 3.0   | 2009 | PSF | yes |
| 3.1   | 3.0.1 | 2009 | PSF | yes |
| 3.1.1 | 3.1   | 2009 | PSF | yes |
| 3.1.2 | 3.1.1 | 2010 | PSF | yes |
| 3.1.3 | 3.1.2 | 2010 | PSF | yes |
| 3.1.4 | 3.1.3 | 2011 | PSF | yes |
| 3.2   | 3.1   | 2011 | PSF | yes |
| 3.2.1 | 3.2   | 2011 |     |     |
| PSF   | yes   |      |     |     |
| 3.2.2 | 3.2.1 | 2011 | PSF | yes |
| 3.2.3 | 3.2.2 | 2012 | PSF | yes |
| 3.3.0 | 3.2   | 2012 | PSF | yes |

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## 1.24 firebase 10.24.0

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FImmutableSortedDictionary  
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Wrap-leveldb  
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