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Adobe(R) XMP Toolkit SDK 2014.12

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libtiff 4.0.7

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OpenCV 4.5.1

OpenSSL 3.1.0

Tesseract 5.0.0

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protobuf-net 2.4.3

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Jbig2enc 0.29

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Json.NET 13.0.2

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Microsoft.Win32.Registry 5.0.0

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zlib 1.2.3

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libjpeg-turbo 1.5.2, 2.1.4

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Apache log4net 2.0.12

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WinSCP.NET 6.3.1

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- protobuf-net 2.4.6.0

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- Prism.Core 7.2.0.1422  
- Prism.Wpf 7.2.0.1422  
- Prism.Unity 7.2.0.1422

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- Unity.Container 5.11.1.0  
- Unity.Abstractions 5.11.1.0  
- OpenCV 4.5.1  
- OpenSSL 3.1.0  
- Tesseract 5.0.0

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- ReactiveProperty 3.6.0.0

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- System.Reactive.Core 3.1.1.0  
- System.Reactive.Interfaces 3.1.1.0  
- System.Reactive.Linq 3.1.1.0  
- System.Reactive.PlatformServices 3.1.1.0  
- System.Reactive.Windows.Threading 3.1.1.0

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- System.ValueTuple 4.6.26515.6

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- Hardcodet.NotifyIcon.Wpf 1.0.5.0

URL : <http://www.codeproject.com/info/cpol10.aspx>

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- LibTiff.Net 2.4.639.0

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- LibJpeg.Net 1.3.311.0

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- VirtualizingWrapPanel 1.5.2.0

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- GongSolutions.WPF.DragDrop 3.1.1.3

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- Jbig2enc 0.29

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- OpenJPEG 2.4.0.1

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- zlib 1.2.3

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- Adobe(R) XMP Toolkit SDK 2014.12

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- Json.NET 13.0.2

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- Microsoft.Win32.Registry 5.0.20

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<fi Series Web API>

Json.NET 6.0.4

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JQuery 1.6.4

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Version 2, June 1991

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[This is the first released version of the library GPL. It is  
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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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.)

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Version 3, 29 June 2007

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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.

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Version 3.1, 31 March 2009

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Julian Seward, jseward@bzip.org  
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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 *
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*
*     printf("%s", png_get_copyright(NULL));
*
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* the first widely used release:
*
*
* source          png.h  png.h  shared-lib
* version         string  int   version
* -----
* 0.89c "1.0 beta 3"  0.89   89   1.0.89
* 0.90  "1.0 beta 4"  0.90   90   0.90 [should have been 2.0.90]
* 0.95  "1.0 beta 5"  0.95   95   0.95 [should have been 2.0.95]
* 0.96  "1.0 beta 6"  0.96   96   0.96 [should have been 2.0.96]
* 0.97b "1.00.97 beta 7" 1.00.97 97   1.0.1 [should have been 2.0.97]
* 0.97c          0.97   97   2.0.97
* 0.98          0.98   98   2.0.98
* 0.99          0.99   98   2.0.99
* 0.99a-m        0.99   99   2.0.99
* 1.00          1.00  100   2.1.0 [100 should be 10000]
* 1.0.0         (from here on, the 100 2.1.0 [100 should be 10000]
* 1.0.1         png.h string is 10001 2.1.0
* 1.0.1a-e      identical to the 10002 from here on, the shared library
* 1.0.2         source version) 10002 is 2.V where V is the source code
* 1.0.2a-b          10003 version, except as noted.
* 1.0.3          10003
* 1.0.3a-d       10004
* 1.0.4          10004
* 1.0.4a-f       10005
* 1.0.5 (+ 2 patches) 10005
* 1.0.5a-d       10006
* 1.0.5e-r       10100 (not source compatible)
* 1.0.5s-v       10006 (not binary compatible)
* 1.0.6 (+ 3 patches) 10006 (still binary incompatible)
* 1.0.6d-f       10007 (still binary incompatible)
* 1.0.6g         10007
* 1.0.6h         10007 10.6h (testing xy.z so-numbering)
* 1.0.6i         10007 10.6i

```

```

* 1.0.6j                10007 2.1.0.6j (incompatible with 1.0.0)
* 1.0.7beta11-14        DLLNUM 10007 2.1.0.7beta11-14 (binary compatible)
* 1.0.7beta15-18        1 10007 2.1.0.7beta15-18 (binary compatible)
* 1.0.7rc1-2            1 10007 2.1.0.7rc1-2 (binary compatible)
* 1.0.7                  1 10007 (still compatible)
* ...
* 1.0.19                 10 10019 10.so.0.19[.0]
* ...
* 1.2.56                 13 10256 12.so.0.56[.0]
* ...
* 1.5.27                 15 10527 15.so.15.27[.0]
* ...
* 1.6.26                 16 10626 16.so.16.26[.0]
*
* Henceforth the source version will match the shared-library major
* and minor numbers; the shared-library major version number will be
* used for changes in backward compatibility, as it is intended. The
* PNG_LIBPNG_VER macro, which is not used within libpng but is available
* for applications, is an unsigned integer of the form xyzzyz corresponding
* to the source version x.y.z (leading zeros in y and z). Beta versions
* were given the previous public release number plus a letter, until
* version 1.0.6j; from then on they were given the upcoming public
* release number plus "betaNN" or "rcNN".
*
* Binary incompatibility exists only when applications make direct access
* to the info_ptr or png_ptr members through png.h, and the compiled
* application is loaded with a different version of the library.
*
* DLLNUM will change each time there are forward or backward changes
* in binary compatibility (e.g., when a new feature is added).
*
* See libpng.txt or libpng.3 for more information. The PNG specification
* is available as a W3C Recommendation and as an ISO Specification,
* <http://www.w3.org/TR/2003/REC-PNG-20031110/
*/

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 *
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 *
 * TODO:
 * * show settings for all devices
 */
```

```
/*
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 *
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 */
```

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 *
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 *****/

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*   Due to various miscommunications, unforeseen code incompatibilities
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*   on the library has not always been consistent and straightforward.
*   The following table summarizes matters since version 0.89c, which was
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*
*   source          png.h  png.h  shared-lib
*   version          string  int   version
*   -----
*   0.89c "1.0 beta 3"  0.89   89   1.0.89
*   0.90  "1.0 beta 4"  0.90   90   0.90  [should have been 2.0.90]
*   0.95  "1.0 beta 5"  0.95   95   0.95  [should have been 2.0.95]
*   0.96  "1.0 beta 6"  0.96   96   0.96  [should have been 2.0.96]
*   0.97b "1.00.97 beta 7" 1.00.97 97   1.0.1 [should have been 2.0.97]
*   0.97c          0.97   97   2.0.97
*   0.98          0.98   98   2.0.98
*   0.99          0.99   98   2.0.99
*   0.99a-m        0.99   99   2.0.99
*   1.00          1.00  100   2.1.0 [100 should be 10000]
*   1.0.0          (from here on, the 100 2.1.0 [100 should be 10000]
*   1.0.1          png.h string is 10001 2.1.0
*   1.0.1a-e       identical to the 10002 from here on, the shared library
*   1.0.2          source version) 10002 is 2.V where V is the source code
*   1.0.2a-b              10003 version, except as noted.
*   1.0.3              10003
*   1.0.3a-d          10004
*   1.0.4              10004
*   1.0.4a-f          10005
*   1.0.5 (+ 2 patches) 10005
*   1.0.5a-d          10006
*   1.0.5e-r              10100 (not source compatible)
*   1.0.5s-v              10006 (not binary compatible)
*   1.0.6 (+ 3 patches) 10006 (still binary incompatible)
*   1.0.6d-f              10007 (still binary incompatible)
*   1.0.6g              10007
*   1.0.6h              10007 10.6h (testing xy.z so-numbering)
*   1.0.6i              10007 10.6i
*   1.0.6j              10007 2.1.0.6j (incompatible with 1.0.0)
*   1.0.7beta11-14      DLLNUM 10007 2.1.0.7beta11-14 (binary compatible)
*   1.0.7beta15-18      1      10007 2.1.0.7beta15-18 (binary compatible)
*   1.0.7rc1-2          1      10007 2.1.0.7rc1-2 (binary compatible)
*   1.0.7              1      10007 (still compatible)
*   1.0.8beta1-4        1      10008 2.1.0.8beta1-4
*   1.0.8rc1            1      10008 2.1.0.8rc1
```

|   |               |    |       |                               |
|---|---------------|----|-------|-------------------------------|
| * | 1.0.8         | 1  | 10008 | 2.1.0.8                       |
| * | 1.0.9beta1-6  | 1  | 10009 | 2.1.0.9beta1-6                |
| * | 1.0.9rc1      | 1  | 10009 | 2.1.0.9rc1                    |
| * | 1.0.9beta7-10 | 1  | 10009 | 2.1.0.9beta7-10               |
| * | 1.0.9rc2      | 1  | 10009 | 2.1.0.9rc2                    |
| * | 1.0.9         | 1  | 10009 | 2.1.0.9                       |
| * | 1.0.10beta1   | 1  | 10010 | 2.1.0.10beta1                 |
| * | 1.0.10rc1     | 1  | 10010 | 2.1.0.10rc1                   |
| * | 1.0.10        | 1  | 10010 | 2.1.0.10                      |
| * | 1.0.11beta1-3 | 1  | 10011 | 2.1.0.11beta1-3               |
| * | 1.0.11rc1     | 1  | 10011 | 2.1.0.11rc1                   |
| * | 1.0.11        | 1  | 10011 | 2.1.0.11                      |
| * | 1.0.12beta1-2 | 2  | 10012 | 2.1.0.12beta1-2               |
| * | 1.0.12rc1     | 2  | 10012 | 2.1.0.12rc1                   |
| * | 1.0.12        | 2  | 10012 | 2.1.0.12                      |
| * | 1.1.0a-f      | -  | 10100 | 2.1.1.0a-f (branch abandoned) |
| * | 1.2.0beta1-2  | 2  | 10200 | 2.1.2.0beta1-2                |
| * | 1.2.0beta3-5  | 3  | 10200 | 3.1.2.0beta3-5                |
| * | 1.2.0rc1      | 3  | 10200 | 3.1.2.0rc1                    |
| * | 1.2.0         | 3  | 10200 | 3.1.2.0                       |
| * | 1.2.1beta1-4  | 3  | 10201 | 3.1.2.1beta1-4                |
| * | 1.2.1rc1-2    | 3  | 10201 | 3.1.2.1rc1-2                  |
| * | 1.2.1         | 3  | 10201 | 3.1.2.1                       |
| * | 1.2.2beta1-6  | 12 | 10202 | 12.so.0.1.2.2beta1-6          |
| * | 1.0.13beta1   | 10 | 10013 | 10.so.0.1.0.13beta1           |
| * | 1.0.13rc1     | 10 | 10013 | 10.so.0.1.0.13rc1             |
| * | 1.2.2rc1      | 12 | 10202 | 12.so.0.1.2.2rc1              |
| * | 1.0.13        | 10 | 10013 | 10.so.0.1.0.13                |
| * | 1.2.2         | 12 | 10202 | 12.so.0.1.2.2                 |
| * | 1.2.3rc1-6    | 12 | 10203 | 12.so.0.1.2.3rc1-6            |
| * | 1.2.3         | 12 | 10203 | 12.so.0.1.2.3                 |
| * | 1.2.4beta1-3  | 13 | 10204 | 12.so.0.1.2.4beta1-3          |
| * | 1.0.14rc1     | 13 | 10014 | 10.so.0.1.0.14rc1             |
| * | 1.2.4rc1      | 13 | 10204 | 12.so.0.1.2.4rc1              |
| * | 1.0.14        | 10 | 10014 | 10.so.0.1.0.14                |
| * | 1.2.4         | 13 | 10204 | 12.so.0.1.2.4                 |
| * | 1.2.5beta1-2  | 13 | 10205 | 12.so.0.1.2.5beta1-2          |
| * | 1.0.15rc1-3   | 10 | 10015 | 10.so.0.1.0.15rc1-3           |
| * | 1.2.5rc1-3    | 13 | 10205 | 12.so.0.1.2.5rc1-3            |
| * | 1.0.15        | 10 | 10015 | 10.so.0.1.0.15                |
| * | 1.2.5         | 13 | 10205 | 12.so.0.1.2.5                 |
| * | 1.2.6beta1-4  | 13 | 10206 | 12.so.0.1.2.6beta1-4          |
| * | 1.0.16        | 10 | 10016 | 10.so.0.1.0.16                |
| * | 1.2.6         | 13 | 10206 | 12.so.0.1.2.6                 |
| * | 1.2.7beta1-2  | 13 | 10207 | 12.so.0.1.2.7beta1-2          |
| * | 1.0.17rc1     | 10 | 10017 | 12.so.0.1.0.17rc1             |
| * | 1.2.7rc1      | 13 | 10207 | 12.so.0.1.2.7rc1              |
| * | 1.0.17        | 10 | 10017 | 12.so.0.1.0.17                |
| * | 1.2.7         | 13 | 10207 | 12.so.0.1.2.7                 |
| * | 1.2.8beta1-5  | 13 | 10208 | 12.so.0.1.2.8beta1-5          |
| * | 1.0.18rc1-5   | 10 | 10018 | 12.so.0.1.0.18rc1-5           |
| * | 1.2.8rc1-5    | 13 | 10208 | 12.so.0.1.2.8rc1-5            |
| * | 1.0.18        | 10 | 10018 | 12.so.0.1.0.18                |
| * | 1.2.8         | 13 | 10208 | 12.so.0.1.2.8                 |
| * | 1.2.9beta1-3  | 13 | 10209 | 12.so.0.1.2.9beta1-3          |
| * | 1.2.9beta4-11 | 13 | 10209 | 12.so.0.9[.0]                 |
| * | 1.2.9rc1      | 13 | 10209 | 12.so.0.9[.0]                 |
| * | 1.2.9         | 13 | 10209 | 12.so.0.9[.0]                 |
| * | 1.2.10beta1-7 | 13 | 10210 | 12.so.0.10[.0]                |
| * | 1.2.10rc1-2   | 13 | 10210 | 12.so.0.10[.0]                |
| * | 1.2.10        | 13 | 10210 | 12.so.0.10[.0]                |
| * | 1.4.0beta1-5  | 14 | 10400 | 14.so.0.0[.0]                 |
| * | 1.2.11beta1-4 | 13 | 10211 | 12.so.0.11[.0]                |
| * | 1.4.0beta7-8  | 14 | 10400 | 14.so.0.0[.0]                 |
| * | 1.2.11        | 13 | 10211 | 12.so.0.11[.0]                |
| * | 1.2.12        | 13 | 10212 | 12.so.0.12[.0]                |
| * | 1.4.0beta9-14 | 14 | 10400 | 14.so.0.0[.0]                 |

|   |                 |    |       |                     |
|---|-----------------|----|-------|---------------------|
| * | 1.2.13          | 13 | 10213 | 12. so. 0. 13[. 0]  |
| * | 1.4.0beta15-36  | 14 | 10400 | 14. so. 0. 0[. 0]   |
| * | 1.4.0beta37-87  | 14 | 10400 | 14. so. 14. 0[. 0]  |
| * | 1.4.0rc01       | 14 | 10400 | 14. so. 14. 0[. 0]  |
| * | 1.4.0beta88-109 | 14 | 10400 | 14. so. 14. 0[. 0]  |
| * | 1.4.0rc02-08    | 14 | 10400 | 14. so. 14. 0[. 0]  |
| * | 1.4.0           | 14 | 10400 | 14. so. 14. 0[. 0]  |
| * | 1.4.1beta01-03  | 14 | 10401 | 14. so. 14. 1[. 0]  |
| * | 1.4.1rc01       | 14 | 10401 | 14. so. 14. 1[. 0]  |
| * | 1.4.1beta04-12  | 14 | 10401 | 14. so. 14. 1[. 0]  |
| * | 1.4.1           | 14 | 10401 | 14. so. 14. 1[. 0]  |
| * | 1.4.2           | 14 | 10402 | 14. so. 14. 2[. 0]  |
| * | 1.4.3           | 14 | 10403 | 14. so. 14. 3[. 0]  |
| * | 1.4.4           | 14 | 10404 | 14. so. 14. 4[. 0]  |
| * | 1.5.0beta01-58  | 15 | 10500 | 15. so. 15. 0[. 0]  |
| * | 1.5.0rc01-07    | 15 | 10500 | 15. so. 15. 0[. 0]  |
| * | 1.5.0           | 15 | 10500 | 15. so. 15. 0[. 0]  |
| * | 1.5.1beta01-11  | 15 | 10501 | 15. so. 15. 1[. 0]  |
| * | 1.5.1rc01-02    | 15 | 10501 | 15. so. 15. 1[. 0]  |
| * | 1.5.1           | 15 | 10501 | 15. so. 15. 1[. 0]  |
| * | 1.5.2beta01-03  | 15 | 10502 | 15. so. 15. 2[. 0]  |
| * | 1.5.2rc01-03    | 15 | 10502 | 15. so. 15. 2[. 0]  |
| * | 1.5.2           | 15 | 10502 | 15. so. 15. 2[. 0]  |
| * | 1.5.3beta01-10  | 15 | 10503 | 15. so. 15. 3[. 0]  |
| * | 1.5.3rc01-02    | 15 | 10503 | 15. so. 15. 3[. 0]  |
| * | 1.5.3beta11     | 15 | 10503 | 15. so. 15. 3[. 0]  |
| * | 1.5.3 [omitted] |    |       |                     |
| * | 1.5.4beta01-08  | 15 | 10504 | 15. so. 15. 4[. 0]  |
| * | 1.5.4rc01       | 15 | 10504 | 15. so. 15. 4[. 0]  |
| * | 1.5.4           | 15 | 10504 | 15. so. 15. 4[. 0]  |
| * | 1.5.5beta01-08  | 15 | 10505 | 15. so. 15. 5[. 0]  |
| * | 1.5.5rc01       | 15 | 10505 | 15. so. 15. 5[. 0]  |
| * | 1.5.5           | 15 | 10505 | 15. so. 15. 5[. 0]  |
| * | 1.5.6beta01-07  | 15 | 10506 | 15. so. 15. 6[. 0]  |
| * | 1.5.6rc01-03    | 15 | 10506 | 15. so. 15. 6[. 0]  |
| * | 1.5.6           | 15 | 10506 | 15. so. 15. 6[. 0]  |
| * | 1.5.7beta01-05  | 15 | 10507 | 15. so. 15. 7[. 0]  |
| * | 1.5.7rc01-03    | 15 | 10507 | 15. so. 15. 7[. 0]  |
| * | 1.5.7           | 15 | 10507 | 15. so. 15. 7[. 0]  |
| * | 1.6.0beta01-40  | 16 | 10600 | 16. so. 16. 0[. 0]  |
| * | 1.6.0rc01-08    | 16 | 10600 | 16. so. 16. 0[. 0]  |
| * | 1.6.0           | 16 | 10600 | 16. so. 16. 0[. 0]  |
| * | 1.6.1beta01-09  | 16 | 10601 | 16. so. 16. 1[. 0]  |
| * | 1.6.1rc01       | 16 | 10601 | 16. so. 16. 1[. 0]  |
| * | 1.6.1           | 16 | 10601 | 16. so. 16. 1[. 0]  |
| * | 1.6.2beta01     | 16 | 10602 | 16. so. 16. 2[. 0]  |
| * | 1.6.2rc01-06    | 16 | 10602 | 16. so. 16. 2[. 0]  |
| * | 1.6.2           | 16 | 10602 | 16. so. 16. 2[. 0]  |
| * | 1.6.3beta01-11  | 16 | 10603 | 16. so. 16. 3[. 0]  |
| * | 1.6.3rc01       | 16 | 10603 | 16. so. 16. 3[. 0]  |
| * | 1.6.3           | 16 | 10603 | 16. so. 16. 3[. 0]  |
| * | 1.6.4beta01-02  | 16 | 10604 | 16. so. 16. 4[. 0]  |
| * | 1.6.4rc01       | 16 | 10604 | 16. so. 16. 4[. 0]  |
| * | 1.6.4           | 16 | 10604 | 16. so. 16. 4[. 0]  |
| * | 1.6.5           | 16 | 10605 | 16. so. 16. 5[. 0]  |
| * | 1.6.6           | 16 | 10606 | 16. so. 16. 6[. 0]  |
| * | 1.6.7beta01-04  | 16 | 10607 | 16. so. 16. 7[. 0]  |
| * | 1.6.7rc01-03    | 16 | 10607 | 16. so. 16. 7[. 0]  |
| * | 1.6.7           | 16 | 10607 | 16. so. 16. 7[. 0]  |
| * | 1.6.8beta01-02  | 16 | 10608 | 16. so. 16. 8[. 0]  |
| * | 1.6.8rc01-02    | 16 | 10608 | 16. so. 16. 8[. 0]  |
| * | 1.6.8           | 16 | 10608 | 16. so. 16. 8[. 0]  |
| * | 1.6.9beta01-04  | 16 | 10609 | 16. so. 16. 9[. 0]  |
| * | 1.6.9rc01-02    | 16 | 10609 | 16. so. 16. 9[. 0]  |
| * | 1.6.9           | 16 | 10609 | 16. so. 16. 9[. 0]  |
| * | 1.6.10beta01-03 | 16 | 10610 | 16. so. 16. 10[. 0] |
| * | 1.6.10rc01-03   | 16 | 10610 | 16. so. 16. 10[. 0] |

```

*   1.6.10                16   10610  16.so.16.10[.0]
*   1.6.11beta01-06       16   10611  16.so.16.11[.0]
*   1.6.11rc01-02        16   10611  16.so.16.11[.0]
*   1.6.11                16   10611  16.so.16.11[.0]
*   1.6.12rc01-03        16   10612  16.so.16.12[.0]
*   1.6.12                16   10612  16.so.16.12[.0]
*   1.6.13beta01-04       16   10613  16.so.16.13[.0]
*   1.6.13rc01-02        16   10613  16.so.16.13[.0]
*   1.6.13                16   10613  16.so.16.13[.0]
*
*   Henceforth the source version will match the shared-library major
*   and minor numbers; the shared-library major version number will be
*   used for changes in backward compatibility, as it is intended. The
*   PNG_LIBPNG_VER macro, which is not used within libpng but is available
*   for applications, is an unsigned integer of the form xyyzz corresponding
*   to the source version x.y.z (leading zeros in y and z). Beta versions
*   were given the previous public release number plus a letter, until
*   version 1.0.6j; from then on they were given the upcoming public
*   release number plus "betaNN" or "rcNN".
*
*   Binary incompatibility exists only when applications make direct access
*   to the info_ptr or png_ptr members through png.h, and the compiled
*   application is loaded with a different version of the library.
*
*   DLLNUM will change each time there are forward or backward changes
*   in binary compatibility (e.g., when a new feature is added).
*
*   See libpng-manual.txt or libpng.3 for more information. The PNG
*   specification is available as a W3C Recommendation and as an ISO
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*
*   printf("%s", png_get_copyright(NULL));
*
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/\* serpent-decrypt.c

\*  
\* The serpent block cipher.  
\*  
\* For more details on this algorithm, see the Serpent website at  
\* <http://www.cl.cam.ac.uk/~rja14/serpent.html>  
\*/

/\* nettle, low-level cryptographics library

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* MA 02111-1301, USA.
*/

/* This file is derived from cipher/serpent.c in Libgcrypt v1.4.6.
   The adaption to Nettle was made by Simon Josefsson on 2010-12-07
   with final touches on 2011-05-30. Changes include replacing
   libgcrypt with nettle in the license template, renaming
   serpent_context to serpent_ctx, renaming u32 to uint32_t, removing
   libgcrypt stubs and selftests, modifying entry function prototypes,
   using FOR_BLOCKS to iterate through data in encrypt/decrypt, using
   LE_READ_UINT32 and LE_WRITE_UINT32 to access data in
   encrypt/decrypt, and running indent on the code. */

/* serpent-set-key.c
*
* The serpent block cipher.
*
* For more details on this algorithm, see the Serpent website at
* http://www.cl.cam.ac.uk/~rja14/serpent.html
*/

/* nettle, low-level cryptographics library
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   The adaption to Nettle was made by Simon Josefsson on 2010-12-07
   with final touches on 2011-05-30. Changes include replacing
   libgcrypt with nettle in the license template, renaming
   serpent_context to serpent_ctx, renaming u32 to uint32_t, removing
   libgcrypt stubs and selftests, modifying entry function prototypes,
   using FOR_BLOCKS to iterate through data in encrypt/decrypt, using
   LE_READ_UINT32 and LE_WRITE_UINT32 to access data in
   encrypt/decrypt, and running indent on the code. */

/*
* ifconfig This file contains an implementation of the command
* that either displays or sets the characteristics of

```

```

*           one or more of the system's networking interfaces.
*
* Version:   $Id: ifconfig.c,v 1.58 2008/10/02 23:31:04 ecki Exp $
*
* Author:    Fred N. van Kempen, <waltje@uwalnt.nl.mugnet.org>
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*           your option) any later version.
*
* Patched to support 'add' and 'del' keywords for INET(4) addresses
* by Mrs. Brisby <mrs.brisby@nimh.org>
*
* {1.34} - 19980630 - Arnaldo Carvalho de Melo <acme@conectiva.com.br>
*           - gettext instead of catgets for il8n
*           10/1998 - Andi Kleen. Use interface list primitives.
*           20001008 - Bernd Eckenfels, Patch from RH for setting mtu
*           (default AF was wrong)
*           20010404 - Arnaldo Carvalho de Melo, use setlocale
*/

```

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```

```

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#
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# Added reading in of packages.
# Added missing package information fields.
# Changed render_control() to __repr__().
#
# Current Issues:
#   The API doesn't validate package information fields.  It should be
#   throwing exceptions in the right places.
#   Executions of tar could silently fail.
#   Executions of tar *do* fail, and loudly, because you have to specify a full filename,
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Send patches to [sysvinit-devel@nongnu.org](mailto:sysvinit-devel@nongnu.org)

The of the start-stop-daemon

\* A rewrite of the original Debian's start-stop-daemon Perl script

```
* in C (faster - it is executed many times during system startup).
*
* Written by Marek Michalkiewicz <marekm@il7linuxb.ists.pwr.wroc.pl>,
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```
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#
# update-rc.d  Update the links in /etc/rc[0-9S].d/
#
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*/

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*
*      Jean II - HPLB 97->99 - HPL 99->07
*
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* manipulations...
* You need to link this code against "iwlib.c" and "-lm".
*
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*/

/*
* Wireless Tools
*
*      Jean II - HPL 99->04
*
* Main code for "iwevent". This listent for wireless events on rtnetlink.
* You need to link this code against "iwcommon.c" and "-lm".
*
* Part of this code is from Alexey Kuznetsov, part is from Casey Carter,
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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.8, April 28th, 2013

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|                  |                           |
|------------------|---------------------------|
| Jean-loup Gailly | Mark Adler                |
| jloup@gzip.org   | madler@alumni.caltech.edu |

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), [rfc1951](http://tools.ietf.org/html/rfc1951) (deflate format) and [rfc1952](http://tools.ietf.org/html/rfc1952) (gzip format).

\*/

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```
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 *
 * curve25519-donna: Curve25519 elliptic curve, public key function
 *
 * http://code.google.com/p/curve25519-donna/
 *
 * Adam Langley <agl@imperialviolet.org>
 *
 * Derived from public domain C code by Daniel J. Bernstein <djb@cr.yp.to>
 *
 * More information about curve25519 can be found here
 * http://cr.yp.to/ecdh.html
 *
 * djb's sample implementation of curve25519 is written in a special assembly
 * language called qhasm and uses the floating point registers.
 *
 * This is, almost, a clean room reimplementation from the curve25519 paper. It
 * uses many of the tricks described therein. Only the crecip function is taken
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 */
```

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loginrec.h  
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curve25519.c:

Modified TweetNaCl version 20140427, a self-contained public-domain C library.  
<https://tweetnacl.cr.yp.to/>

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=====

README for release 8d of 15-Jan-2012

=====

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DOCUMENTATION ROADMAP

=====

This file contains the following sections:

|                   |   |
|-------------------|---|
| OVERVIEW          | General description of JPEG and the IJG software.   |
| LEGAL ISSUES      | Copyright, lack of warranty, terms of distribution. |
| REFERENCES        | Where to learn more about JPEG.                     |
| ARCHIVE LOCATIONS | Where to find newer versions of this software.      |
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TO DO                Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:

|             |   |
|-------------|---|
| install.txt | How to configure and install the IJG software.                            |
| usage.txt   | Usage instructions for cjpeg, djpeg, jpegtran,<br>rdjpgcom, and wrjpgcom. |
| *.1         | Unix-style man pages for programs (same info as usage.txt).               |
| wizard.txt  | Advanced usage instructions for JPEG wizards only.                        |
| change.log  | Version-to-version change highlights.                                     |

Programmer and internal documentation:

|                |  |
|----------------|--|
| libjpeg.txt    | How to use the JPEG library in your own programs.          |
| example.c      | Sample code for calling the JPEG library.                  |
| structure.txt  | Overview of the JPEG library's internal structure.         |
| filelist.txt   | Road map of IJG files.                                     |
| coderrules.txt | Coding style rules --- please read if you contribute code. |

Please read at least the files install.txt and usage.txt. Some information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

## OVERVIEW

=====

This package contains C software to implement JPEG image encoding, decoding, and transcoding. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application.

We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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## REFERENCES

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We recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at <http://www.ijg.org/files/wallace.ps.gz>. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

The best currently available description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US\$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2). Although this is by far the most detailed and comprehensive exposition of JPEG publicly available, we point out that it is still missing an explanation of the most essential properties and algorithms of the underlying DCT technology.

If you think that you know about DCT-based JPEG after reading this book, then you are in delusion. The real fundamentals and corresponding potential of DCT-based JPEG are not publicly known so far, and that is the reason for all the mistaken developments taking place in the image coding domain.

The original JPEG standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

IJG JPEG 8 introduces an implementation of the JPEG SmartScale extension which is specified in two documents: A contributed document at ITU and ISO with title "ITU-T JPEG-Plus Proposal for Extending ITU-T T.81 for Advanced Image Coding", April 2006, Geneva, Switzerland. The latest version of this document is Revision 3. And a contributed document ISO/IEC JTC1/SC29/WG1 N 5799 with title "Evolution of JPEG", June/July 2011, Berlin, Germany.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. JFIF 1.02 has been adopted as an Ecma International Technical Report and thus received a formal publication status. It is available as a free download in PDF format from

<http://www.ecma-international.org/publications/techreports/E-TR-098.htm>.

A PostScript version of the JFIF document is available at

<http://www.ijg.org/files/jfif.ps.gz>. There is also a plain text version at

<http://www.ijg.org/files/jfif.txt.gz>, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from <ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz>. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from <http://www.ijg.org/files/>. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note.

#### ARCHIVE LOCATIONS

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The "official" archive site for this software is [www.ijg.org](http://www.ijg.org). The most recent released version can always be found there in directory "files". This particular version will be archived as <http://www.ijg.org/files/jpegsrc.v8d.tar.gz>, and in Windows-compatible "zip" archive format as <http://www.ijg.org/files/jpegsr8d.zip>.

The JPEG FAQ (Frequently Asked Questions) article is a source of some general information about JPEG.

It is available on the World Wide Web at <http://www.faqs.org/faqs/jpeg-faq/> and other news.answers archive sites, including the official news.answers archive at [rtfm.mit.edu](ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/): <ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/>.

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#### ACKNOWLEDGMENTS

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Thank to Juergen Bruder for providing me with a copy of the common DCT algorithm article, only to find out that I had come to the same result in a more direct and comprehensible way with a more generative approach.

Thank to Istvan Sebestyen and Joan L. Mitchell for inviting me to the ITU JPEG (Study Group 16) meeting in Geneva, Switzerland.

Thank to Thomas Wiegand and Gary Sullivan for inviting me to the Joint Video Team (MPEG & ITU) meeting in Geneva, Switzerland.

Thank to Thomas Richter and Daniel Lee for inviting me to the ISO/IEC JTC1/SC29/WG1 (also known as JPEG, together with ITU-T SG16) meeting in Berlin, Germany.

Thank to John Korejwa and Massimo Ballerini for inviting me to fruitful consultations in Boston, MA and Milan, Italy.

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Thank to Andrew Finkenstadt for hosting the [ijg.org](http://ijg.org) site.

Last but not least special thank to Thomas G. Lane for the original design and development of this singular software package.

## FILE FORMAT WARS

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The ISO/IEC JTC1/SC29/WG1 standards committee (also known as JPEG, together with ITU-T SG16) currently promotes different formats containing the name "JPEG" which is misleading because these formats are incompatible with original DCT-based JPEG and are based on faulty technologies.

IJG therefore does not and will not support such momentary mistakes (see REFERENCES).

There exist also distributions under the name "OpenJPEG" promoting such kind of formats which is misleading because they don't support original JPEG images.

We have no sympathy for the promotion of inferior formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, interoperable format standards for JPEG files.

Don't use an incompatible file format!

(In any case, our decoder will remain capable of reading existing JPEG image files indefinitely.)

Furthermore, the ISO committee pretends to be "responsible for the popular JPEG" in their public reports which is not true because they don't respond to actual requirements for the maintenance of the original JPEG specification.

There are currently distributions in circulation containing the name "libjpeg" which claim to be a "derivative" or "fork" of the original libjpeg, but don't have the features and are incompatible with formats supported by actual IJG libjpeg distributions. Furthermore, they violate the license conditions as described under LEGAL ISSUES above.

We have no sympathy for the release of misleading and illegal distributions derived from obsolete code bases.

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## TO DO

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Version 8 is the first release of a new generation JPEG standard to overcome the limitations of the original JPEG specification. More features are being prepared for coming releases...

Please send bug reports, offers of help, etc. to [jpeg-info@jpegclub.org](mailto:jpeg-info@jpegclub.org).

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/*****
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The development of Dynamically Loadable Zones (DLZ) for Bind 9 was

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This code implements the MD5 message-digest algorithm.  
The algorithm is due to Ron Rivest. This code was written by Colin Plumb in 1993, no copyright is claimed.  
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Equivalent code is available from RSA Data Security, Inc.

This code has been tested against that, and is equivalent, except that you don't need to include two pages of legalese with every copy.

To compute the message digest of a chunk of bytes, declare an MD5Context structure, pass it to MD5Init, call MD5Update as needed on buffers full of bytes, and then call MD5Final, which will fill a supplied 16-byte array with the digest.

--

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```

This package contains the `URI.pm` module with friends. The module implements the `URI` class. Objects of this class represent Uniform Resource Identifier references as specified in RFC 2396 and updated by RFC 2732.

`URI` objects can be used to access and manipulate the various components that make up these strings. There are also methods to combine URIs in various ways.

Some tests require an Internet connection to work and are skipped if one is not active.

You need perl-5.8.1 or better to install this package. You should also have the `MIME::Base64` module installed. Installation is otherwise as usual:

```

perl Makefile.PL
make
make test
make install

```

Questions about how to use this library should be directed to the `comp.lang.perl.modules` USENET Newsgroup. Bug reports and suggestions for improvements can be sent to the `<libwww@perl.org>` mailing list.

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The following individuals contributed in part to the Network Time Protocol Distribution Version 4 and are acknowledged as authors of this work.

1. [1]Takao Abe <takao\_abe@xurb.jp> Clock driver for JJY receivers
2. [2]Mark Andrews <mark\_andrews@isc.org> Leitch atomic clock controller
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11. [12]Jean-Francois Boudreault <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support
12. [13]Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)
13. [14]Steve Clift <clift@ml.csiro.au> OMEGA clock driver
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16. [17]John A. Dundas III <dundas@salt.jpl.nasa.gov> Apple A/UX port
17. [18]Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port
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19. [20]John Hay <jhay@icomtek.csiro.co.za> IPv6 support and testing
20. [21]Dave Hart <davehart@davehart.com> General maintenance, Windows port interpolation rewrite
21. [22]Claas Hilbrecht <neoclock4x@linum.com> NeoClock4X clock driver
22. [23]Glenn Hollinger <glenn@herald.usask.ca> GOES clock driver

23. [24]Mike Iglesias <iglesias@uci.edu> DEC Alpha port
24. [25]Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port
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26. [27]Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or  
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28. [30]Frank Kardel [31]<kardel (at) ntp (dot) org> PARSE <GENERIC> (driver 14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling
29. [32]Johannes Maximilian Kuehn <kuehn@ntp.org> Rewrote snTP to comply with NTPv4 specification, ntpq saveconfig
30. [33]William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HPUX modifications
31. [34]Dave Katz <dkatz@cisco.com> RS/6000 AIX port
32. [35]Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox GPS clock driver
33. [36]George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
34. [37]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
35. [38]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
36. [39]Danny Mayer <mayer@ntp.org>Network I/O, Windows Port, Code Maintenance
37. [40]David L. Mills <mills@udel.edu> Version 4 foundation, precision kernel; clock drivers: 1, 3, 4, 6, 7, 11, 13, 18, 19, 22, 36
38. [41]Wolfgang Moeller <moeller@gwdgvl.dnet.gwdg.de> VMS port
39. [42]Jeffrey Mogul <mogul@pa.dec.com> ntptrace utility
40. [43]Tom Moore <tmoore@fievel.daytonoh.ncr.com> i386 svr4 port
41. [44]Kamal A Mostafa <kamal@whence.com> SCO OpenServer port
42. [45]Derek Mulcahy <derek@toybox.demon.co.uk> and [46]Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver
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49. [53]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
50. [54]Michael Shields <shields@tembel.org> USNO clock driver
51. [55]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
52. [56]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
53. [57]Kenneth Stone <ken@sdd.hp.com> HP-UX port
54. [58]Ajit Thyagarajan <ajit@ee.udel.edu>IP multicast/anycast support
55. [59]Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp>TRAK clock driver
56. [60]Brian Utterback <brian.utterback@oracle.com> General codebase, Solaris issues
57. [61]Loganaden Velvindron <loganaden@gmail.com> Sandboxing (libseccomp) support
58. [62]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
59. [63]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD

---

## References

1. [mailto:%20takao\\_abe@xurb.jp](mailto:%20takao_abe@xurb.jp)



2. [mailto:mark\\_andrews@isc.org](mailto:mark_andrews@isc.org)  
3. <mailto:altmeier@atlsoft.de>  
4. <mailto:vbais@mailman1.intel.co>  
5. <mailto:kirkwood@striderfm.intel.com>  
6. <mailto:michael.barone@lmco.com>  
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15. <mailto:casey@csc.co.za>  
16. [mailto:Sven\\_Dietrich@trimble.COM](mailto:Sven_Dietrich@trimble.COM)  
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18. <mailto:duwe@immd4.informatik.uni-erlangen.de>  
19. <mailto:dennis@mrbill.canet.ca>  
20. <mailto:jhay@icomtek.csir.co.za>  
21. <mailto:davehart@davehart.com>  
22. <mailto:neoclock4x@linum.com>  
23. <mailto:glenn@herald.usask.ca>  
24. <mailto:iglesias@uci.edu>  
25. <mailto:jagubox.gsfc.nasa.gov>  
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29. <mailto:phk@FreeBSD.ORG>  
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32. <mailto:kuehn@ntp.org>  
33. <mailto:jones@hermes.chpc.utexas.edu>  
34. <mailto:dkatz@cisco.com>  
35. <mailto:leres@ee.lbl.gov>  
36. <mailto:lindholm@ucs.ubc.ca>  
37. <mailto:louie@ni.umd.edu>  
38. <mailto:thorinn@diku.dk>  
39. <mailto:mayer@ntp.org>  
40. <mailto:mills@udel.edu>  
41. <mailto:moeller@gwdgv1.dnet.gwdg.de>  
42. <mailto:mogul@pa.dec.com>  
43. <mailto:tmoore@fivel.daytonoh.ncr.com>  
44. <mailto:kamal@whence.com>  
45. <mailto:derek@toybox.demon.co.uk>  
46. <mailto:d@hd.org>  
47. <mailto:neal@ntp.org>  
48. <mailto:Rainer.Pruy@informatik.uni-erlangen.de>  
49. <mailto:dirce@zk3.dec.com>  
50. <mailto:wsanchez@apple.com>  
51. <mailto:mrapple@quack.kfu.com>  
52. <mailto:jack@innovativeinternet.com>  
53. <mailto:schnitz@unipress.com>  
54. <mailto:shields@tembel.org>  
55. <mailto:pebbles.jpl.nasa.gov>  
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57. <mailto:ken@sdd.hp.com>  
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59. <mailto:tsuruoka@nc.fukuoka-u.ac.jp>  
60. <mailto:brian.utterback@oracle.com>  
61. <mailto:loganaden@gmail.com>  
62. <mailto:vixie@vix.com>  
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