

ExtendScript Toolkit CC ReadMe

1. Overview

This document contains a list of new features, changes, and known issues in this ExtendScript Toolkit CC (ESTK) release. It also describes a few hidden gems, like additional Preferences settings.

2. Updates in CC

The ExtendScript Toolkit comes with a number of improvements related to its usability:

- The APIP\Headlights library is used for software usage tracking. The library logs all sessions of software products on a user's computer. These logs contain information about the product version, operating system, processor, session durations, and other machine and product details. The logs are then sent to the Headlights server where they can be analyzed for product usage patterns.
- ESTK is now available as a standalone application. ESTK is the Integrated Development Environment (IDE) for ES scripts.
- Bug fixes.

2.1. **Document backup preferences**

The ESTK provides the ability to automatically back up documents whenever you modify them in any way. The Documents section of the Preferences dialog now provides the option Backup documents automatically. By default, the option is off.

When you select this option, you must also set a value for After seconds. This is the number of seconds to wait after making a change before creating the backup. The delay period begins when you modify a document; if you open a document and do not modify it, no backup is created. If you make another modification after the backup is created, the backup file is updated. When you start a debug session, all open documents are backed up, regardless of their modification state.

2.1.1. **Backup files**

Backup files are created in the `backup/` folder, which is a subfolder of `Preferences/`:

- In Windows: `User Folder\Application Data\Adobe\ExtendScript Toolkit\4.0\backup`
- In Mac OS: `User Folder/Library/Preferences/ExtendScript Toolkit/4.0/backup`

The backup file names concatenate the marker `BK`, a unique identifier and the actual document name, separated by `#`. For example: `BK#12345#chromeless FlashPlayer.jsx`.

If backup files are available, they are listed in the **Files > Recent Files** menu with their complete name. When you save a modified document, the backup file for that document is removed. When you quit the ESTK normally, all backup files are removed.

If the ESTK exits abnormally, the backup files cannot be removed automatically, and remain in the `backup/` folder. When the ESTK is started again, they are listed in the **Files > Recent Files** menu, and you can open them to recover the content and save it properly.

2.2. Hidden preferences

The ESTK contains a few hidden settings. These settings can be edited manually by editing the Preferences template file `defs.xml`. The file is located here:

- **In Windows:** `{Program Files}\Adobe\Adobe ExtendScript Toolkit CC\Required\defs.xml`
- **In Mac OS:** In `/Applications/Utilities/Adobe ExtendScript Toolkit CC.app`, control-click the application icon and select "Show Package Contents" to open the package. The file is located here:
`Contents/SharedSupport/Required/defs.xml`

After editing the file, start the ESTK while holding the Shift key down. This reverts to the default preferences by loading this file. Note that this also removes any keyboard shortcuts, favorites, and so on, that you have set.

Note: As in previous releases, you can press and hold the Shift key during startup to avoid loading preferences, and during shutdown to avoid saving preferences.

2.2.1. Enable a confirmation dialog before debugging

To enable a confirmation dialog asking to "Save this file?" before debugging, set this tag in the `defs.xml` file to **true**:

```
<debug><saveBeforeDebug>false</saveBeforeDebug></debug>
```

2.2.2. Results in status bar

By default, the ESTK displays the result of the execution of a script in both the status bar and the Consoler. To display the result only in the status bar, set this tag in the `defs.xml` file to **false**:

```
<printResult>false</printResult>
```

3. Known Issues: ESTK

This section explains a few limitations in this version of the ESTK which may be addressed in a future release.

3.1. Cross-Suite Script Debugging Not Supported

Although it is possible to target a non-Creative application and run it from the ESTK CC, such a cross-suite scripting workflow is not supported. The script may or may not execute as expected within the target application.

3.2. UTF-8 signature saved in files

By default, the ESTK writes a UTF-8 signature at the beginning of all saved documents. This can cause issues for editors other than the ESTK (such as Word Pad) if that signature cannot be properly interpreted when the file is read into one of those editors. To change this default behavior, change the setting in the

UTF-8 Signature section of the Documents page of the Preferences dialog to the “Never write signature” option.

3.3. **Favorites**

Aliases are displayed as files in the Scripts pane if the JSX file filter is not used. Aliases to files must also have the same extension in order to display in the Scripts pane.

3.4. **Window placement**

The ESTK attempts to adjust itself to the current layout of the desktop, including multiple screens. It cannot detect that a screen has been added or removed without the user having notified the operating system first by using the Desktop Properties (Windows) or System Preferences (Mac OS). Also, it attempts to adjust its window size to a new desktop size when it detects that the desktop has changed between program runs. There are circumstances, however, where manual adjustment of the ESTK's windows is necessary.

3.5. **Windows font support**

The Preferences panels cannot display East Asian characters if East Asian language support is not installed in Windows. Also, it cannot display files containing East Asian characters correctly if that package is not installed.

3.6. **Comments in preprocessor directives**

The ESTK does not allow comments after a preprocessor directive such as `#target`. The comment causes an "... undefined!" error message.

3.7. **Unrepaired link to target application**

When the ESTK is launched and a target application is selected from the drop-down list, if the application is not already running, the ESTK asks whether the target application should be launched. After answering yes, even if the target application is successfully launched, the link next to the target application name in the ESTK remains broken. Click the green "Run" button to fix the link.

3.8. **Viewing scripting document in non-English OS**

If you run the ESTK on one of the supported non-English OSs (French, German, Italian, Japanese, and Spanish) and the ESTK Language preference is set to Default, the “Adobe Intro to Scripting” document on the Help menu is shown in English. To view the document in the appropriate language, set the Language from the **Edit > Preferences** menu to the OS language.

3.9. **Application missing from target list**

In rare circumstances due to some unlikely product installation scenarios, the name of an installed target application may not show up in the ESTK dropdown list. If the name of the desired target application is

not shown in the list, the script to be executed must contain a `#target` directive that specifies the target application.

3.10. Extended input

The ESTK does not fully support Extended Input to enter non-Roman characters (such as Japanese). Reconversion is not supported.

3.11. Compiled scripts

If a script is compiled to a `.jsxbin` file, the `#target` directive is ignored. Double-clicking a `.jsxbin` file does not execute the script in the application that the `#target` directive defines.

4. Known Issues: ScriptUI Programming

This section explains known problems encountered in ScriptUI programming, which may be addressed in a future release.

4.1. “Nested” modal dialogs

The following sequence of operations using dialog (modal) windows is illegal, and will result in an application crash (assuming the script created two separate dialog windows - `win1` and `win2`):

```
var result1 = win1.show();
win1.hide();
/* Create and show a nested dialog */
var result2 = win2.show();
win2.close();
win1.show();
win1.close();
```

As noted in the JavaScript Tools Guide document, calling `hide()` for a dialog window does not only change the window's visibility; it is equivalent to calling `close()`, which removes the window from its modal state. If the script calls `show()` a second time for this window to make it visible again, the application is likely to crash when the window is finally closed. If your script requires the use of "nested" modal dialogs, use a sequence like this instead:

```
var result1 = win1.show();
/* Create and show a nested dialog */
var result2 = win2.show();
win2.close();
win1.close();
```

4.2. Application-specific appearance and behavior

When using the ESTK to develop scripts targeted at Adobe Photoshop® CC or Adobe After Effects® CC, you will notice differences in the appearance of ScriptUI content created by running a script directly in the ESTK, and content created by running the script in the application.

The ESTK uses a different version of ScriptUI than Photoshop and After Effects.

- In the ESTK, user interface elements are created and managed by the operating system; a ScriptUI Button element looks like (and is) a Mac OS X button, or Windows OS button, depending on the platform.
- In the ScriptUI version used by Photoshop and After Effects, user-interface elements are created and managed by the Adobe Flash® Player; a ScriptUI Button created by a script run in Photoshop or After Effects has the same appearance on both platforms, not a platform-specific appearance.

You may also notice slight differences between the two ScriptUI versions in the layout of UI elements, and in the behaviors of certain UI elements. These differences are documented in the Scripting documentation distributed with the Photoshop and After Effects applications.

4.3. ScriptUI modal dialogs

When programming ScriptUI dialogs, the ESTK ignores breakpoints in callback functions if the dialog is modal and the target engine is the ESTK itself. The modal ScriptUI dialog causes the ESTK to go into a modal state, where most of the user interface is disabled. Therefore, it cannot easily switch back into normal debug mode when a breakpoint is hit.

4.4. The ScriptUI FlashPlayer element

- Call `loadMovie()` method only once

When programming the ScriptUI `FlashPlayer` element, use care when calling the `loadMovie()` method: you can call it only once in a `FlashPlayer` instance. Using `'add ("flashplayer", undefined, "SWF to load")'` to create a `FlashPlayer` results in an implicit call to `loadMovie()`. If you need to restart a movie that has already been loaded, you must destroy and recreate the `FlashPlayer` the movie is to run in.

- The `playMovie()` and `stopMovie()` methods are deprecated

When programming the ScriptUI `FlashPlayer` element, do not use its `playMovie()` or `stopMovie()` methods. These methods are no longer functional; calling them is allowed, but they have no effect. Remove calls to them from any scripts for safety in future ScriptUI versions. The `loadMovie()` method loads and starts playing the Flash movie.

- Handling Tab characters in the `FlashPlayer`

The `FlashPlayer` element has a new creation property `letPlayerHandleTabs` which controls how Tab and Backtab (Shift+Tab) characters are handled when the `FlashPlayer` has the keyboard focus.

- If `letPlayerHandleTabs` is defined with a `true` value, Tabs are sent to the `FlashPlayer` element, so ActionScript code running in the player can handle them (or not).
- If `letPlayerHandleTabs` is undefined or `false`, Tab and Backtab are treated as keyboard navigation cues to move the keyboard focus to the next or previous element in the tab sequence. This is the normal ScriptUI behavior.

These examples create a `FlashPlayer` element that handles Tab and Backtab characters:

```
var fp = w.add ("flashplayer",undefined, <SWF to load>,
{letPlayerHandleTabs:true});
```

Or using the resource format:

```

var resourceDef = ""palette {
    fp: FlashPlayer {
        properties:{ letPlayerHandleTabs:true }
    }
}""";
var w = new Window (resourceDef);
w.fp.loadMovie (<pathname, URL, or File object for SWF file>);

```

4.5. Interaction of window-closing shortcut with ESTK

The ExtendScript Toolkit uses the shortcut key `CTRL+W` (Windows) / `CMD+W` (Mac OS) to close the topmost document window or the OMV. When executing a script that implements a window in ScriptUI which defines `closeOnKey: 'OSCmd+W'`, pressing that key combination would never affect the ScriptUI window, although it would close the topmost document or OMV.

5. Third Party Legal Notices

This product may include software licensed under terms that requires Adobe to display the following notices.

- 41 The contents of this file are subject to the Netscape Public License Version 1.1 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <http://www.mozilla.org/NPL/>

Software distributed under the License is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the specific language governing rights and limitations under the License.

The Original Code is Mozilla Communicator client code, released March 31, 1998.

The Initial Developer of the Original Code is Netscape Communications Corporation. Portions created by Netscape are Copyright (C) 1998-1999 Netscape Communications Corporation. All Rights Reserved.

Contributor(s):_____.

Alternatively, the contents of this file may be used under the terms of the _____ license (the "[_____] License"), in which case the provisions of [_____] License are applicable instead of those above. If you wish to allow use of your version of this file only under the terms of the [] License and not to allow others to use your version of this file under the NPL, indicate your decision by deleting the provisions above and replace them with the notice and other provisions required by the [_____] License. If you do not delete the provisions above, a recipient may use your version of this file under either the NPL or the [_____] License.

- 46 Copyright (C) 1995-1997 Eric Young (eay@mincom.oz.au) All rights reserved.

This package is an SSL implementation written by Eric Young (eay@mincom.oz.au).

The implementation was written so as to conform with Netscapes SSL.

This library is free for commercial and non-commercial use as long as the following conditions are adhered to. The following conditions apply to all code found in this distribution including RC4, RSA, lhash, DES, etc... The SSL documentation included with this distribution is covered by the same copyright terms except the holder is Tim Hudson (tjh@cryptosoft.com).

Copyright remains Eric Young's, and as such any Copyright notices in the code are not to be removed.

If this package is used in a product, Eric Young should be given attribution as the author of the parts of the library used. This can be in the form of a textual message at program startup or in documentation (online or textual) provided with the package.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: "This product includes cryptographic software written by Eric Young (eay@cryptsoft.com)"

The word 'cryptographic' can be left out if the routines from the library being used are not cryptographic related.

4. If you include any Windows specific code (or a derivative thereof) from the apps directory (application code) you must include an acknowledgement: "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"

THIS SOFTWARE IS PROVIDED BY ERIC YOUNG "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The licence and distribution terms for any publicly available version or derivative of this code cannot be changed. i.e. this code cannot simply be copied and put under another distribution licence [including the GNU Public Licence.]

- 52 Copyright (c) 1998-2001 Greg Roelofs. All rights reserved.

This software is provided "as is," without warranty of any kind, express or implied. In no event shall the author or contributors be held liable for any damages arising in any way 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. Redistributions of source code must retain the above copyright notice, disclaimer, and this list of conditions.
2. Redistributions in binary form must reproduce the above copyright notice, disclaimer, and this list of conditions in the documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software must display the following acknowledgment:

This product includes software developed by Greg Roelofs and contributors for the book, "PNG: The Definitive Guide," published by O'Reilly and Associates.

54 This software is based in part on the work of the Independent JPEG Group.

74 Copyright 1991 by the Massachusetts Institute of Technology

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of M.I.T. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. M.I.T. makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

82 Pool.c_Copyright 1987 - NeXT, Inc. and Graphics.c_Copyright 1988 NeXT, Inc. as an unpublished work. All Rights Reserved.

83 The Apache Software License, Version 1.1

Copyright (c) 1998-2000 The Apache Software Foundation. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The end-user documentation included with the redistribution, if any, must include the following acknowledgment:

"This product includes software developed by the Apache Software Foundation
<http://www.apache.org/>."

Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear.

4. The names "Xerces" and "Apache Software Foundation" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact apache@apache.org.

5. Products derived from this software may not be called "Apache", nor may "Apache" appear in their name, without prior written permission of the Apache Software Foundation.

THIS SOFTWARE IS PROVIDED ``AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER

IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the Apache Software Foundation and was originally based on software copyright (c) 1999, International Business Machines, Inc., <http://www.ibm.com>. For more information on the Apache Software Foundation, please see <http://www.apache.org/>.

104 Portions licensed from Apple Computer, Inc. under the terms of the Apple Public Source License, Version 1.1. The source code version of these portions and the license are available at <http://www.opensource.apple.com/apsl/>.

108 Original Code. The Original Code is: OpenGL Sample Implementation, Version 1.2.1, released January 26, 2000, developed by Silicon Graphics, Inc. The Original Code is Copyright (c) 1991-2000 Silicon Graphics, Inc. Copyright in any portions created by third parties is as indicated elsewhere herein. All Rights Reserved.

156 OPENSSL

The OpenSSL toolkit stays under a dual license, i.e. both the conditions of the OpenSSL License and the original SSLeay license apply to the toolkit. See below for the actual license texts. Actually both licenses are BSD-style Open Source licenses. In case of any license issues related to OpenSSL please contact openssl-core@openssl.org.

OpenSSL License

Copyright (c) 1998-2001 The OpenSSL Project. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgment: "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<http://www.openssl.org/>)"
4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact openssl-core@openssl.org.
5. Products derived from this software may not be called "OpenSSL" nor may "OpenSSL" appear in their names without prior written permission of the OpenSSL Project.
6. Redistributions of any form whatsoever must retain the following acknowledgment:

This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>)

THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR ITS

CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This product includes cryptographic software written by Eric Young (eay@cryptsoft.com). This product includes software written by Tim Hudson (tjh@cryptsoft.com).

Original SSLeay License

Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)

All rights reserved.

This package is an SSL implementation written by Eric Young (eay@cryptsoft.com).

The implementation was written so as to conform with Netscapes SSL.

This library is free for commercial and non-commercial use as long as the following conditions are aheared to. The following conditions apply to all code found in this distribution, be it the RC4, RSA, lhash, DES, etc., code; not just the SSL code. The SSL documentation included with this distribution is covered by the same copyright terms except that the holder is Tim Hudson (tjh@cryptsoft.com).

Copyright remains Eric Young's, and as such any Copyright notices in the code are not to be removed.

If this package is used in a product, Eric Young should be given attribution as the author of the parts of the library used.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: "This product includes cryptographic software written by Eric Young (eay@cryptsoft.com)" The word 'cryptographic' can be left out if the rouines from the library being used are not cryptographic related :-).
4. If you include any Windows specific code (or a derivative thereof) from the apps directory (application code) you must include an acknowledgement: "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"

THIS SOFTWARE IS PROVIDED BY ERIC YOUNG "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS

INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The licence and distribution terms for any publically available version or derivative of this code cannot be changed. i.e. this code cannot simply be copied and put under another distribution licence [including the GNU Public Licence.]

175 ICU4J license - ICU4J 1.3.1 and later

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1995-2001 International Business Machines Corporation and others

All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, provided that the above copyright notice(s) and this permission notice appear in all copies of the Software and that both the above copyright notice(s) and this permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR

HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

183 The following can be placed in any end user documentation (User Guide, ReadMe, About Box)

1. Redistributions in binary form must reproduce the above Apache copyright notice and license in the documentation and/or other materials provided with the distribution.
2. The end User documentation included with the redistribution, if any, must include the following acknowledgement: "This product includes software developed by the Apache Software Foundation (<http://www.apache.org/>).\" Alternately, this acknowledgement may appear in the software itself, if and wherever such third-party acknowledgements normally appear.

200 Copyright (c) 1982, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994

The Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the University of California, Berkeley and its contributors.
4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

223 W3C® SOFTWARE NOTICE AND LICENSE

<http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231>

This work (and included software, documentation such as READMEs, or other related items) is being provided by the copyright holders under the following license. By obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions.

Permission to copy, modify, and distribute this software and its documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and documentation or portions thereof, including modifications:

1. The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.
2. Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, the W3C Software Short Notice should be included (hypertext is preferred, text is permitted) within the body of any redistributed or derivative code.
3. Notice of any changes or modifications to the files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". Otherwise, this version is the same as the previous version and is written so as to preserve the Free Software Foundation's assessment of GPL compatibility and OSI's certification under the Open Source Definition. Please see our Copyright FAQ for common questions about using materials from our site, including specific terms and conditions for packages like libwww, Amaya, and Jigsaw. Other questions about this notice can be directed to site-policy@w3.org.

467 Copyright (c) 2000-2002

Joerg Walter, Mathias Koch

Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. The authors make no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

The authors gratefully acknowledge the support of GeNeSys mbH & Co. KG in producing this work.

533 Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of M.I.T. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. M.I.T. makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty. Calling this script `install-sh` is preferred over `install.sh`, to prevent 'make' implicit rules from creating a file called `install` from it when there is no `Makefile`.

This script is compatible with the BSD `install` script, but was written from scratch. It can only install one file at a time, a restriction shared with many OS's `install` programs.

722 Source code version of the AAF technology is available under the terms of the AAF license.

742 Copyright 1990, 1998 The Open Group

Copyright (c) 2000 The XFree86 Project, Inc.

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation.

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE OPEN GROUP BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of The Open Group shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from The Open Group.

- 787 Portions of this software are copyright © <year> The FreeType Project (www.freetype.org). All rights reserved. (1996-2000)
- 788 This product includes software that is Copyright (c) 2005, Mitsubishi Electric Research Laboratory Inc., All Rights Reserved.
- 791 AltiVec technology is used with the permission of Motorola, Inc.
- 798 Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 801 Put following in Player third party page: Speech compression and decompression technology licensed by Nellymoser, Inc. (<http://www.nellymoser.com>)

In File Format SDK documentation, indicate that Nellymoser can provide audio encoding capabilities.

- 802 Sorenson Spark(tm) video compression and decompression technology licensed from Sorenson Media, Inc.
- 805 credit FhG as licensor in associated documentation
- "MPEG Layer-3 audio compression technology licensed by Fraunhofer IIS and THOMSON multimedia.." also need to include URL (<http://www.iis.fhg.de/amm/>), and the attribution notice listed above, in at least one about box. DO NOT HAVE TO DO THIS for Players, but need to put in associated documentation.
- 811 To go in product literature: ADPCM speech compression algorithm is used with the permission of Sun Microsystems, Inc.
- 820 This copyright notice may be placed with other copyright notices, including the Licensee's own copyright notice, or in any reasonably visible location in the product's packaging, software or documentation. "The Sentry Spelling-Checker Engine Copyright © 2001 Wintertree Software Inc."
- 843 Copyright 1991 by Andreas Stolcke

Copyright 1990 by Solbourne Computer Inc. Longmont, Colorado . All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Solbourne not be used in advertising in publicity pertaining to distribution of the software without specific, written prior permission.

ANDREAS STOLCKE AND SOLBOURNE COMPUTER INC. DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL ANDREAS

STOLCKE OR SOLBOURNE BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

844 If you use it, or only parts of it, in a program, you must acknowledge somewhere in your documentation that you have used the Catharon Code. Any additions, deletions or changes to the original files must be clearly indicated in accompanying documentation.

851 Copyright © 2004, Apple Computer, Inc. and The Mozilla Foundation.

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the names of Apple Computer, Inc. ("Apple") or The Mozilla Foundation ("Mozilla") nor the names of their contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY APPLE, MOZILLA AND THEIR CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL APPLE, MOZILLA OR THEIR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

858 Copyright (c) 1999 University of California. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the author nor the names of any co-contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE

ARE DISCLAIMED. IN NO EVENT SHALL CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

- 867 If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

Put following notice on the Third Party Notice Webpage: Apache Software Foundation

The Software contains Xerces C++ Parser (v.2.6.0) code that is copyright the Apache Software Foundation, and the following shall apply with respect to such code: Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

- 870 Portions Copyright © 2001 artofcode LLC.

Portions Copyright © 1996, 2001 Artifex Software Inc.

This software is based in part on the work of the Independent JPEG Group.

Portions Copyright © 1998 Soft Horizons.

Portions Copyright © 2001 URW++.

All Rights Reserved.

- 905 This source code was modified by Martin Hedenfalk <mhe@stacken.kth.se> for use in Curl. His latest changes were done 2000-09-18.

It has since been patched away like a madman by Daniel Stenberg <daniel@haxx.se> to make it better applied to curl conditions, and to make it not use globals, pollute name space and more. This source code awaits a rewrite to work around the paragraph 2 in the BSD licenses as explained below.

Copyright (c) 1995, 1996, 1997, 1998, 1999 Kungliga Tekniska Högskolan (Royal Institute of Technology, Stockholm, Sweden).

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the Institute nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE INSTITUTE AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE INSTITUTE OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

945 Copyright (c) 1997 Moscow Center for SPARC Technology

Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Moscow Center for SPARC Technology makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

1021 License for Scintilla and SciTE

Copyright 1998-2003 by Neil Hodgson neilh@scintilla.org All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation.

NEIL HODGSON DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL NEIL HODGSON BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.