ExtendScript Toolkit CS4 ReadMe

1. Overview

This document contains a list of new features, changes, and known issues in this ExtendScript Toolkit CS4 (ESTK) release. There is also a section that describes a few hidden gems, like additional Preferences settings.

2. New Features in CS4

The ExtendScript Toolkit comes with an updated and improved user interface that offers enhanced options for configuration, including the capability to create workspaces with different window arrangements.

The Object Model Viewer (OMV) has been upgraded and expanded, providing better documentation.

Other new features:

- The new Object Model Viewer shows all object models in a single window.
- Workspaces define the size, position and visibility of panels.
- Both a Functions panel and a flyout menu in the document window list all functions defined in the currently active document. Select a function in either the panel or the menu to jump directly to that function definition within the document.
- Code completion in the Script Editor can be configured to include any loaded object model dictionary.
- The Script Editor supports triple-quote syntax so strings can span several source code lines.
- The Scripts panel can exclude files and folders whose names begin with a dot character.
- Selecting the 'Reset' menu item resets the JavaScript engine.
- A 'Go to Line' dialog provides a means to jump to a specific line in the source code editor.
- A document can be split into multiple views with each document view reflecting any changes made.
- On Mac OS, there is a "Bring all documents to front" menu item as well as a new option to chose an application frame as on Windows for better management of panels and documents.

Good-to-know options regarding default and saved preferences:

- Press and hold the Shift key during startup to avoid loading preferences.
- Press and hold the Shift key during shutdown to avoid saving preferences.

2.1. Find and Replace

The Toolkit supports a limited set of Regular Expression syntax for the Find and Replace dialog:

- . Matches any character
- (Marks the start of a region for capturing a match
-) Marks the end of a capturing region
- \< Matches the start of a word using the editor's current definition of words
- \> Matches the end of a word using the editor's current definition of words
- \x Escapes a character x that would otherwise have a special meaning. For example, \[is interpreted as a left bracket, rather than the start of a character set
- [...] A set of characters; for example, [abc] means any of the characters a, b or c. You can also use ranges, for example [a-z] for any lower case character
- [^...] The complement of the characters in a set. For example, [^A-Za-z] means any character except an alphabetic character
- ^ Matches the start of a line (unless used inside a set)
- S Matches the end of a line
- * Matches 0 or more times. For example, Sa*m matches Sm, Sam, Saam, Saaam, etc.
- + Matches 1 or more times. For example, Sa+m matches Sam, Saam, Saaam, and so on

In a replace operation, use the captured regions of a match in the replacement expression by using the placeholders $\1$ through $\9$. $\1$ refers to the first captured region, $\2$ to the second, and so on. For example, if the search string is $Fred([1-9]) \times XXX$ and the replace string is Sam(1YYY), when applied to Fred2XXX this generates Sam(2YYY).

2.2. Adobe Scripts Folder

On first launch, the ESTK creates a folder named Adobe Scripts in the user's Documents folder. This is the folder whose contents the Default favorite in the Scripts panel displays.

When double-clicking a JSX file, the ESTK normally acts as an invisible security filter. Before actually launching the file, a security dialog pops up asking if it is OK to execute the script. The ESTK treats the user's Documents/Adobe Scripts folder as a trusted location. When you double-click a JSX file in that folder, the Toolkit does not display the security alert.

2.3. "Don't show again" in dialogs

Some dialog windows offer the "Don't show again" option. If you select this option, the ESTK remembers the choices made in this dialog. The next time this dialog would appear, it makes the same choices without showing the dialog.

To make these dialogs display again, click "Reset Dialogs" on the User Interface page in the Preferences dialog.

2.4. "Target engine 'engine name' is busy!" error message

This error message comes up whenever the ESTK attempts to communicate with the remote JavaScript engine and the engine does not respond. For example, if Photoshop is running and the "New Document" dialog is opened in Photoshop, then Photoshop is in a modal state and unable to communicate with the ESTK.

3. 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:

- Windows: {Program Files}\Adobe\ExtendScript Toolkit\Required\defs.xml
- Mac OS: /Applications/Utilities/Adobe Utilities/ExtendScript Toolkit.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.

3.1. "Save This File?" 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>

3.2. The Status Bar

The ExtendScript Toolkit displays the result of the execution of a script in the status bar as well as in the Console. To display the result only in the status bar, set this tag in the defs.xml to **false**:

<printResult>false</printResult>

3.3. Data Browser - Limited Length of Characters

Each entry in the Data Browser has a limited length of characters. The limit is defined with the tag in the defs.xml:

<databrowser><maxStringLength>64</maxStringLength></databrowser>

3.4. Opening Documents in Floating Windows

Newly created documents are by default always opened inside the application frame. To open newly created documents as single floating windows, set this tag in the defs.xml to **true**:

<document><floatingAppFrame>true</floatingAppFrame></document>

On the Mac when there is no application frame, by default newly created documents are tabbed together in the top most document window. By setting the floatingNoAppFrame tag in the defs.xml to true, newly created documents are opened as individual floating windows.

<document><floatingNoAppFrame>true</floatingNoAppFrame></document>

4. Known Issues

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

4.1. UTF-8 Signature Saved in Files

By default, the ESTK CS4 writes a UTF-8 signature at the beginning of all saved documents. This can cause issues for editors other than the ESTK (e.g. 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.

4.2. 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.

4.3. 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 (Macintosh). 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.

4.4. 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.

4.5. Comments in Preprocessor Directives

The ESTK CS4 does not allow comments after a preprocessor directive (such as #target). The comment will result in an "... undefined!" error message.

4.6. 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. Clicking on the green "Run" button will fix the link.

4.7. Debugging Session Termination

On Mac OS, when using the ESTK to debug a script in a target application, if the script invokes an operating system modal dialog, such as File->Open, the ESTK may terminate the debugging session if the modal dialog is left unattended for a short period of time.

4.8. Viewing Scripting Document on 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 will be shown in English. To view the document in the appropriate language, set the Language from the Edit->Preferences menu to the OS language.

4.9. Application Missing from Target Dropdown 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 ESTK dropdown list, the script to be executed must contain a #target directive that specifies the target application.

4.10. Extended Input

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

4.11. 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.

4.12. Documents Preferences

The following options in the Documents section of the Preferences dialog, take effect only for newly created documents or for documents that were never opened by the ESTK before:

```
"Display Line Numbers"
```

[&]quot;Word Wrap"

[&]quot;Code Collapse"

[&]quot;Enable Syntax Highlighting"

[&]quot;Line Endings"

J

4.13. ScriptUI Programming

4.13.1. 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.

4.13.2. titleLayout Object

4.13.2.1.

ustify Property

Changing the justify property value inside an existing titleLayout object always fails. As a workaround, construct an entirely new JavaScript object with the property values you want and replace the current titleLayout property value with this object.

4.13.2.2. M

argins Property

Setting the margins property to an array always causes a kErrBadArgument exception, either when trying to change margins in an existing titleLayout object, or constructing an entirely new titleLayout object (as in a resource definition). Setting the margins property to a single integer value will work in either case.

4.13.2.3.

haracters Property

Setting the characters property inside an existing titleLayout object interferes with the justify setting: it always resets it to 'left'. As a workaround, construct an entirely new JavaScript object with the property values you want and replace the current titleLayout property value with this object.

4.13.3. The ScriptUI FlashPlayer Element

- When programming the ScriptUI FlashPlayer element, use care when calling the loadMovie() method: it may only be called once in a FlashPlayer instance. Note that using 'add ("flashplayer", undefined, "SWF to load")' to create a FlashPlayer results in an implicit call to loadMovie(). If you need to re-start a movie that has already been loaded, you must destroy and recreate the FlashPlayer the movie is to run in.
- When programming the ScriptUI *FlashPlayer* element, do not use its playMovie() or stopMovie() methods. These methods are no longer functional (i.e., 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). For example, given a Window element that you wish to create a FlashPlayer element in:

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

Or you can use 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>);
```

Both examples will create a *FlashPlayer* element which handles Tab and Backtab characters.

4.13.4. Window closeOnKey: 'OSCmnd+W'

The ExtendScript Toolkit uses the shortcut key CTRL+W (Windows) / CMD+W (Macintosh) to close the top most document window or the OMV. So when executing a script that implements a window with ScriptUI that defines closeOnKey: 'OSCmnd+W', pressing that key combination would never affect the ScriptUI window, although it would close the top most document or OMV.

Third Party Legal Notices

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

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."
XX

- 43 This product contains either BSAFE and/or TIPEM software by RSA Security, Inc.
- 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 (tih@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.

- 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.]

--xx

- 54 This software is based in part on the work of the Independent JPEG Group". --xx
- 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 supportingdocumentation, and that the name of M.I.T. not be used in advertising orpublicity pertaining to distribution of the software without specific, written prior permission. M.I.T. makes no representations about thesuitability of this software for any purpose. It is provided "as is" without express or implied warranty. --xx

Copyright (c) 1994 Hewlett-Packard Company 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. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty. --xx

- Pool.c_Copyright 1987 NeXT, Inc. and Graphics.c_Copyright 1988 NeXT, Inc. as an unpublished work. All Rights Reserved. --xx
- The Apache Software License, Version 1.1

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

- 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/. --xx

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

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.

- 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.

This can be in the form of a textual message at program startup or in documentation (online or textual) provided with the package.

- 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.]

--xx

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.

--xx

183 The Apache Software License, Version 1.1

Copyright (c) 1999-2001 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 acknowlegement:

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

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

- 4. The names "The Jakarta Project", "Tomcat", 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 names without prior written permission of the Apache Group.

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. For more information on the Apache Software Foundation, please see http://www.apache.org/>. --xx

200 Copyright (c) 1982, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994 The Regents of the University of California. All rights reserved.

- 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. --xx

221 Copyright 2001 by Andrei Alexandrescu

This code accompanies the book: Alexandrescu, Andrei. "Modern C++ Design: Generic Programming and Design Patterns Applied". Copyright 2001. Addison Wesley.

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

The author or Addison-Wesley Longman make no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

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. --xx

392 Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

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, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

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.

--xx

- 542 Portions copyright (c) Chris Maunder, 1998
- 722 Source code version of the AAF technology is available under the terms of the AAF license. --xx
- 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.

--xx

- This product includes software that is Copyright (c) 2005, Mitsubishi Electric Research Laboratory Inc., All Rights Reserved. --xx
- Flash 9 video compression and decompression is powered by On2 TrueMotion video technology. © 1992-2005 On2 Technologies, Inc. All Rights Reserved. http://www.on2.com. –xx
- 791 AltiVec technology is used with the permission of Motorola, Inc. --xx
- 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. --xx
- Portions Speech compression and decompression technology licensed by Nellymoser, Inc. (http://www.nellymoser.com)

Sorenson Spark(tm) video compression and decompression technology licensed from Sorenson Media, Inc. --xx

"MPEG Layer-3 audio compression technology licensed by Fraunhofer IIS and THOMSON multimedia.." (http://www.iis.fhg.de/amm/)--xx

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. –xx

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. --xx

Apache Software Foundation The Software contains Xerces C++ Parser (v.2.6.0) code that is copyright the Apache Software Foundation, and the follow 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.

--xx

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. --xx

1380 RedSwoosh Library for ActionScript API License (or "RedSwoosh Library License")

THE WORK (AS DEFINED BELOW) IS PROVIDED UNDER THE TERMS OF THIS PUBLIC LICENSE ("LICENSE"). BY EXERCISING ANY RIGHTS TO THE WORK PROVIDED HERE, YOU ACCEPT AND AGREE TO BE BOUND BY THE TERMS OF THIS LICENSE. TO THE EXTENT THIS LICENSE MAY BE CONSIDERED TO BE A CONTRACT, THE LICENSOR GRANTS YOU THE RIGHTS CONTAINED HERE IN CONSIDERATION OF YOUR ACCEPTANCE OF SUCH TERMS AND CONDITIONS.

- 1. Definitions
- a. "Collective Work" means a work in which the Work in its entirety in unmodified form, along with one or more other contributions, constituting separate and independent works in themselves, are assembled into a collective whole. A work that constitutes a Collective Work will not be considered a Derivative Work (as defined below) for the purposes of this License.
- b. "Derivative Work" means a work based upon the Work or upon the Work and other pre-existing works, in any form in which the Work may be recast, transformed, or adapted, except that a work that constitutes a Collective Work will not be considered a Derivative Work for the purpose of this License.
- c. "Licensor" means the entity or entities that offer the Work under the terms of this License.

- d. "Original Author" means Akamai Technologies, Inc.
- e. "Work" means the copyrightable work of authorship offered under the terms of this License. The Work enables applications created in Adobe Flash or Adobe AIR to make ActionScript calls to Akamai's RedSwoosh client and consists only of the following code and documentation:
- o The RedSwoosh library for ActionScript a set of action script code that abstracts and simplifies usage of the ActionScript API
- o Documentation that outlines usage of the ActionScript API, available in the RedSwoosh SDK available at www.redswoosh.net/developers.php
- f. "You" means an individual or entity exercising permitted rights under this License.
- 2. License Grant. Subject to the terms and conditions of this License, Licensor hereby grants You a worldwide, royalty-free, non-exclusive, perpetual (for the duration of the applicable copyright) license to exercise the rights in the Work as stated below:
- a. to reproduce the Work, to incorporate the Work into one or more Collective Works (e.g., by compilation in a .swf container), and to reproduce the Work as incorporated in the Collective Works;
- b. to create and reproduce Derivative Works provided that any such Derivative Work, including any translation in any medium, takes reasonable steps to clearly label, demarcate or otherwise identify that changes were made to the original Work;
- c. to distribute copies of the Work including as incorporated in Collective Works;
- d. to distribute copies of Derivative Works.

The above rights may be exercised in all media and formats whether now known or hereafter devised. The above rights include the right to make such modifications as are technically necessary to exercise the rights in other media and formats. All rights not expressly granted by Licensor are hereby reserved.

- 3. Restrictions. The license granted in Section 2 above is expressly made subject to and limited by the following restrictions:
- a. You may distribute the Work only under the terms of this License, and You must include a copy of, or the Uniform Resource Identifier for, this License with every copy of the Work You distribute. You may not offer or impose any terms on the Work that restrict the terms of this License or the ability of a recipient of the Work to exercise the rights granted to that recipient under the terms of the License. You may not sublicense the Work. You must keep intact all notices that refer to this License and to the disclaimer of warranties. When You distribute the Work, You may not impose any technological measures on the Work that restrict the ability of a recipient of the Work from You to exercise the rights granted to that recipient under the terms of the License. This Section 3(a) applies to the Work as incorporated in a Collective Work, but this does not require the Collective Work apart from the Work itself to be made subject to the terms of this License. If You create a Collective Work or Derivative Work, upon notice from any Licensor You must, to the extent practicable, remove from the Collective Work or Derivative Work (as the case may be) any credit as required by Section 3(b), as requested.
- b. If You distribute the Work, any Collective Work, or any Derivative Work, You must, unless a request has been made pursuant to the last sentence of Section 3(a), keep intact all copyright notices for the Work and provide, reasonable to the medium or means You are utilizing: (i) the name of the Original Author (or pseudonym, if applicable), and/or (ii) if the Original Author and/or Licensor designate another party or parties for attribution ("Attribution Parties") in Licensor's copyright notice, terms of service or by other reasonable means, the name of such party or parties; the title of the Work if supplied; to the extent reasonably practicable, the Uniform Resource Identifier, if any, that Licensor specifies to be associated with the Work, unless such URI does not refer to the copyright notice or licensing information for the Work; and, consistent with Section 2(b) in the case of a Derivative Work, a credit identifying the use of the Work in the Derivative Work. The credit required by this Section 3(b) may be implemented in any reasonable manner; provided, however, that in the case of a Derivative Work or Collective Work, at a minimum such credit will appear, if a credit for all contributing authors

of the Derivative Work or Collective Work appears, then as part of these credits and in a manner at least as prominent as the credits for the other contributing authors. For the avoidance of doubt, You may only use the credit required by this Section for the purpose of attribution in the manner set out above and, by exercising Your rights under this License, You may not implicitly or explicitly assert or imply any connection with, sponsorship or endorsement by the Original Author, Licensor and/or Attribution Parties, as appropriate, of You or Your use of the Work, without the separate, express prior written permission of the Original Author, Licensor and/or Attribution Parties.

4. Representations, Warranties and Disclaimer

UNLESS OTHERWISE MUTUALLY AGREED TO BY THE PARTIES IN WRITING, LICENSOR OFFERS THE WORK AS-IS AND ONLY TO THE EXTENT OF ANY RIGHTS HELD IN THE LICENSED WORK BY THE LICENSOR. THE LICENSOR MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND CONCERNING THE WORK, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF TITLE, MARKETABILITY, MERCHANTIBILITY, FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT, OR THE ABSENCE OF LATENT OR OTHER DEFECTS, ACCURACY, OR THE PRESENCE OF ABSENCE OF ERRORS, WHETHER OR NOT DISCOVERABLE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO SUCH EXCLUSION MAY NOT APPLY TO YOU.

5. Limitation on Liability. EXCEPT TO THE EXTENT REQUIRED BY APPLICABLE LAW, IN NO EVENT WILL LICENSOR BE LIABLE TO YOU ON ANY LEGAL THEORY FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF THIS LICENSE OR THE USE OF THE WORK, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

6. Termination

- a. This License and the rights granted hereunder will terminate automatically upon any breach by You of the terms of this License. Individuals or entities who have received Derivative Works (as defined in Section 1 above) or Collective Works (as defined in Section 1 above) from You under this License, however, will not have their licenses terminated provided such individuals or entities remain in full compliance with those licenses. Sections 1, 4, 5, 6, and 7 will survive any termination of this License.
- b. Subject to the above terms and conditions, the license granted here is perpetual (for the duration of the applicable copyright in the Work). Notwithstanding the above, Licensor reserves the right to release the Work under different license terms or to stop distributing the Work at any time; provided, however that any such election will not serve to withdraw this License (or any other license that has been, or is required to be, granted under the terms of this License), and this License will continue in full force and effect unless terminated as stated above.

7. Miscellaneous

- a. Each time You distribute the Work or a Collective Work, the Licensor offers to the recipient a license to the Work on the same terms and conditions as the license granted to You under this License.
- b. Each time You distribute a Derivative Work, Licensor offers to the recipient a license to the original Work on the same terms and conditions as the license granted to You under this License.
- c. If any provision of this License is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this License, and without further action by the parties to this agreement, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.
- d. No term or provision of this License shall be deemed waived and no breach consented to unless such waiver or consent shall be in writing and signed by the party to be charged with such waiver or consent.
- e. This License constitutes the entire agreement between the parties with respect to the Work licensed here. There are no understandings, agreements or representations with respect to the Work not specified here. Licensor shall not be bound by any additional provisions that may appear in any communication from You. This License may not be modified without the mutual written agreement of the Licensor and You.