



Cadence Help User Guide

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Contents

1		8
Understanding Cadence Help Interface		8
Right-Click Options		9
2		11
Modifying Cadence Help Settings (How-To)		11
Specify the View Settings of the Content		12
Specify Video Playback Settings		16
Video Playback		16
Specify the Number of Search Results per Page		17
Specify Web Browser and a Mail Client		17
Associate an Application to a File Type		18
Add/Remove/Alter/Show/Hide a Library		20
Load a Predefined Set of Libraries on Cadence Help Startup		24
Using Environment Variables		24
Using USE_PATH entry		25
Disabling Cadence Help Features		26
Configure the Proxy Settings for Cadence Help		26
Proxy Server		27
Proxy Authentication		27
Display Browse History and Usage Statistics		28
Enable/Disable Usage Statistics		29
User Details		29
Using Environment Variable to Disable Usage Statistics		29
Disabling Notifications		29
3		30
Customizing Libraries (How-To)		30
Adding Custom HTML Documents		30
Adding PDF		32
4		34
Searching Through the Content (How-To)		34
Auto search suggestions and Instant Search		35

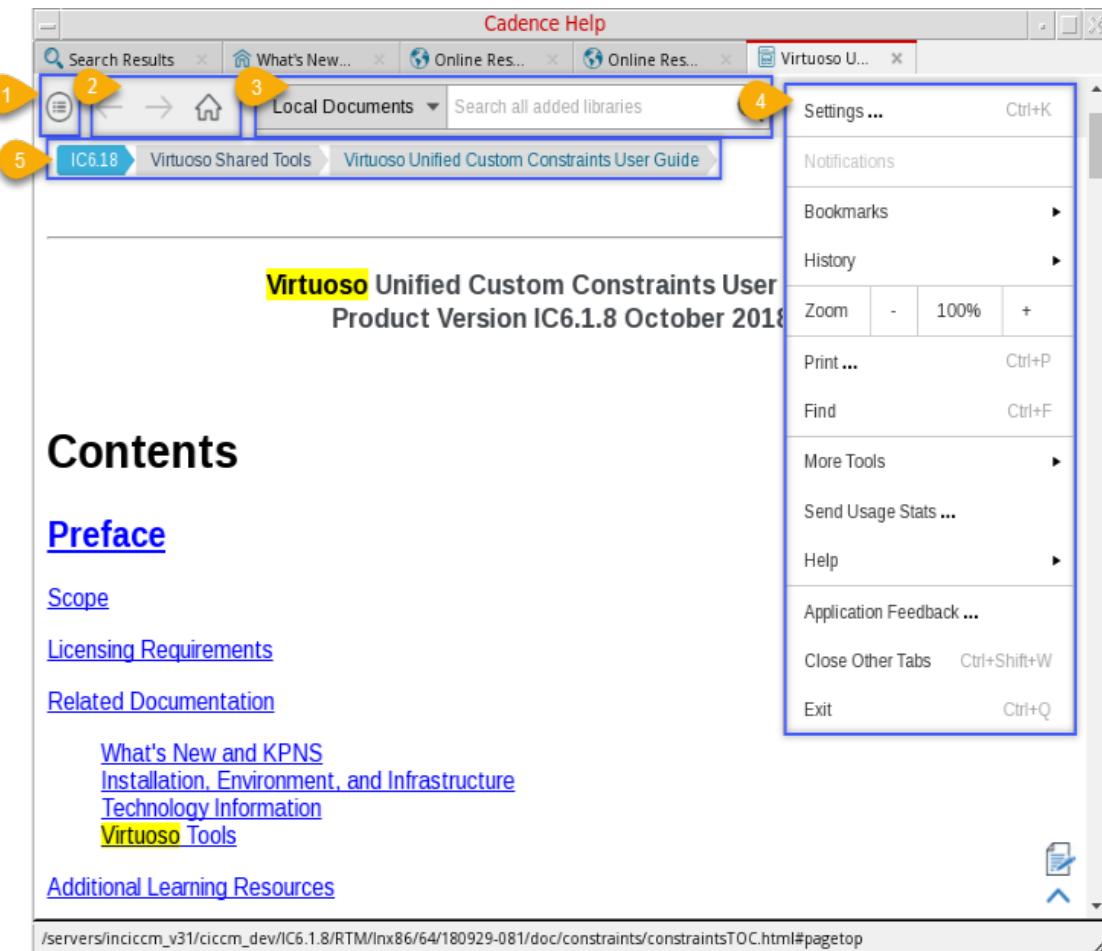
Search Location	35
Accessing Cadence Online Support via Cadence Help	37
Specify Search Criteria	38
Search Criteria	39
Filters	40
Show/Hide Attributes	40
5	41
Finding Content on a Page	41
6	43
Navigating Through the Content (How-To)	43
Library pane	43
Right-Click Options	43
Browse Between Pages and Topics	44
Navigate Through Context-Sensitive Content	45
7	47
Providing Feedback	47
8	49
Sharing Documents	49
9	50
Viewing Notifications	50
10	53
Troubleshooting	53
Debugging Cadence Help	53
Accessing Cadence Help	54
Viewing Tool and Application Menu	55
Modifying Configuration Settings in Cadence Help	55
Delay in Viewing Online Documents via CDNSHelp DocServer	55
Debugging Proxy Settings and Firewall Issues in Cadence Help	56
Topics not displayed in documentation browser	57
Viewing the Updated Content in Cadence Help	57
Working with Tag Files	57
Opening custom help forms in Cadence Help	62
Moving documents from UNIX to Windows	64
Opening Cadence Help in the Windows Operating System	65

Using Cascading Style Sheets	65
CSS Selectors Supported by Cadence Help	66
Referencing CSS Within HTML	66
Appendix	68
Starting Cadence Help	68
Cadence Help Search Mechanism	68
Cadence Help Welcome Page	69
Cadence Help Shortcuts	70
Importing Documents	71
Exporting Documents	72
Indexing	72
Configuring Documents	73
Managing Bookmarks	75
Manage Bookmarks	75
Generating XML Files	77
Show History	78
Command-Line Switches	79
12	81
Cadence Help Known Problems and Solutions	81
CCR 2118592: Cadence Help should be able to show PDF documents on Cadence Support	81
CCR 2038001: Cadence Help sometimes exits unexpectedly due to Qt Network calls in SLES environment	81
CCR 2037982: The Cadence Help window size decreases on clicking the Hide/Show Library button	81
CCR 1989146: Cadence Help exits unexpectedly when regression scripts run on a specific machine	82
CCR 1970835: Cadence Help exits unexpectedly in case of insufficient space in the user home directory	82
CCR 1269977: Cadence Help should appear in foreground when a user clicks any Help button	82
CCR 1925037: Cadence Help does not render large HTML pages (73k lines or more)	83
CCR 1833969: QIODevice Error generated on Cadence Help startup	83
CCR 1315476: Provide native video playback support for swf [flash] files on Linux	83
CCR 1638319: 'Go to Top' icon is missing in the TOC pages if opened from CDNSHelp Doc Server	83
CCR 1639735: Inconsistency found in display while viewing videos and GUI updates in Cadence	83

Help	84
CCR 1639117: Glossary definition box appears with transparent background in some VNC sessions	84
CCR 1552145: Issue with Cadence Help on RHEL6	84

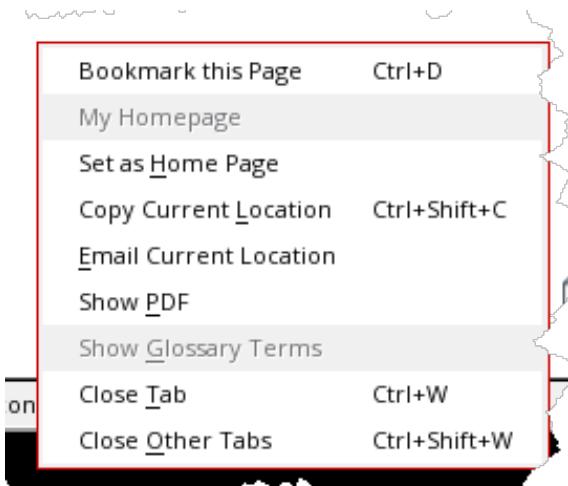
Understanding Cadence Help Interface

The makeover of Cadence Help interface has given it a web application-like look and feel. The new components are explained as below.



1	You can click  to open the <i>Library</i> pane. This button enables the feature to show/hide <i>Library</i> pane. The <i>Library</i> pane displays the entire set of documentation for Cadence products that are installed on your machine. You can use this pane to explore the product documentation organized in the order of Releases → Products → Manuals → Topics. It sorts and displays the topics within a library either numerically or alphabetically, unless there is a pre-specified order.
2	The contemporary toolbar is used to browse between pages/topics (Previous and Next), go to the welcome page, search through documentation, access hamburger menu, and use breadcrumbs to navigate.
3	The search box lets you perform a search from the Topic Viewer.
4	The consolidated application menu provides various options to use/modify Cadence Help.
5	The breadcrumbs on each topic page support secondary navigation, so that you do not have to open Library pane.

Right-Click Options



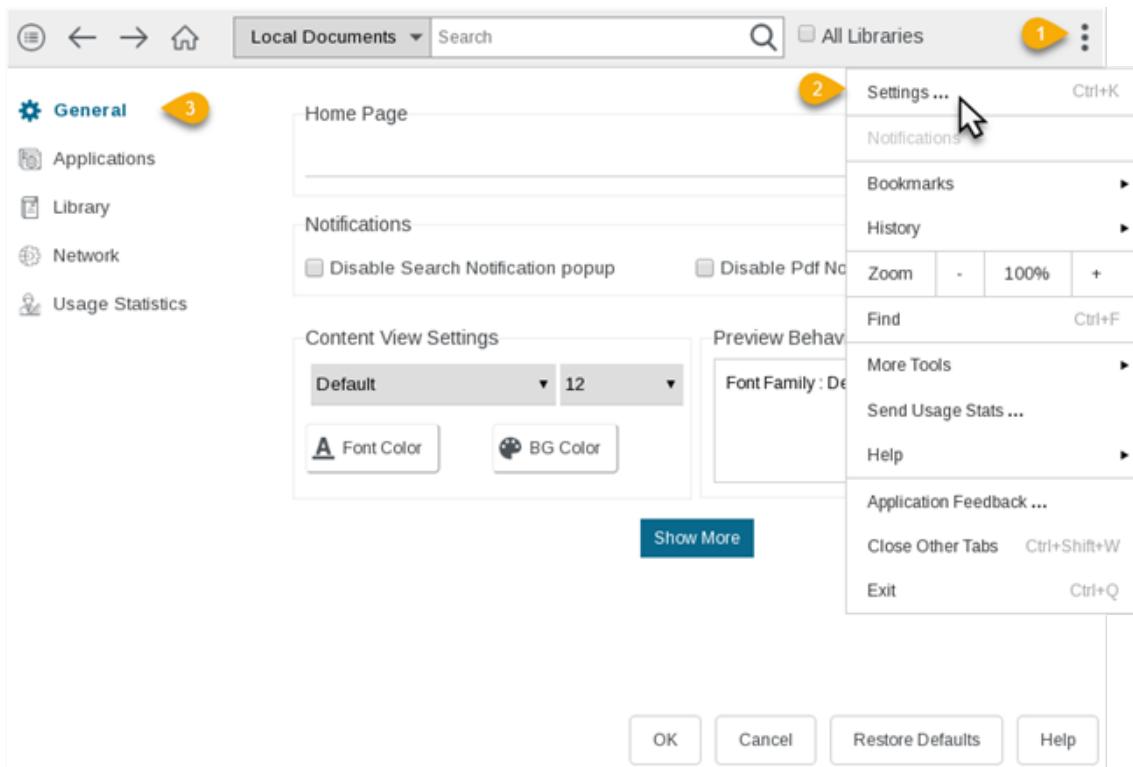
You can right-click a topic in the Topic Viewer to:

- Bookmark the page
- Open the home page
- Set the topic as Home Page
- Copy the displayed location

- Mail the displayed location
- View the PDF associated with the topic
- View glossary terms
- Submit feedback for a page
- Close the current tab
- Close various other tabs

Modifying Cadence Help Settings (How-To)

Click *Settings* in the hamburger menu to modify the Cadence Help settings. You can perform various tasks, such customizing Cadence Help view settings, specifying number of search results to be displayed in a page, or enabling the collation of usage statistics.



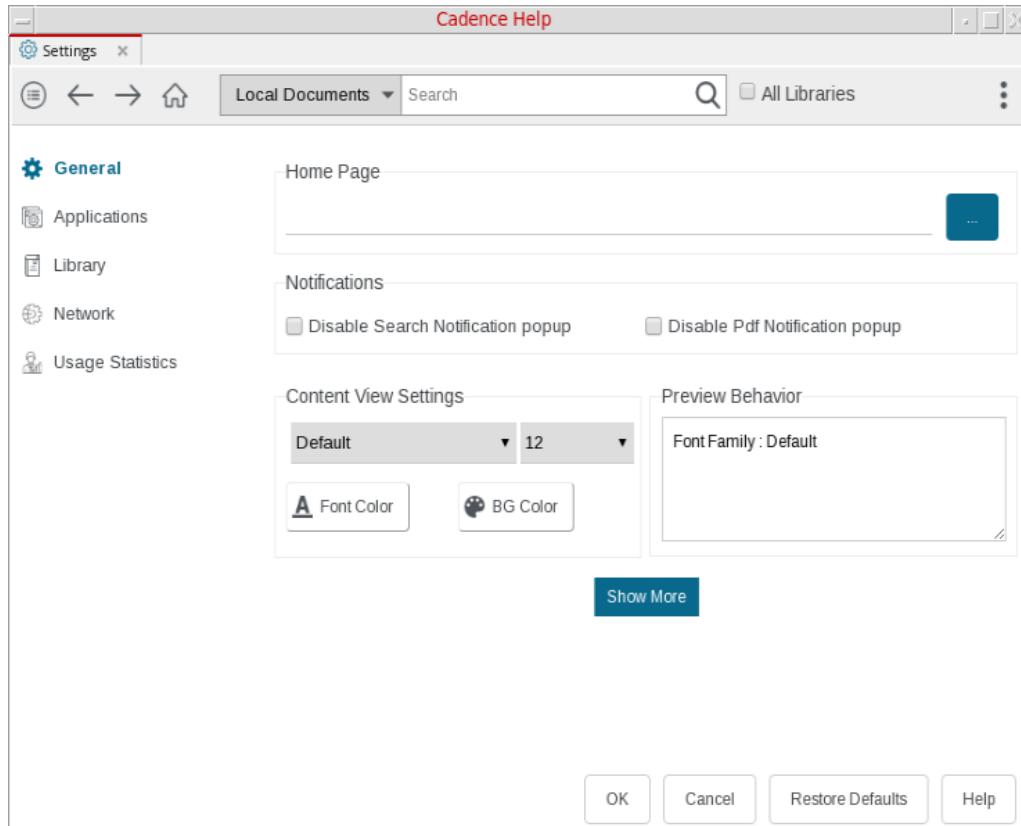
To restore the default settings, click the *Restore Defaults...* button in the *Settings* dialog box. Refer to the following related tasks:

- [Specify the View Settings of the Content](#)
- [Specify Video Playback Settings](#)
- [Specify the Number of Search Results per Page](#)
- [Specify Web Browser and a Mail Client](#)

- Associate an Application to a File Type
- Add/Remove/Alter/Show/Hide a Library
- Load a Predefined Set of Libraries on Cadence Help Startup
- Configure the Proxy Settings for Cadence Help
- Display Browse History and Usage Statistics
- Disabling Notifications

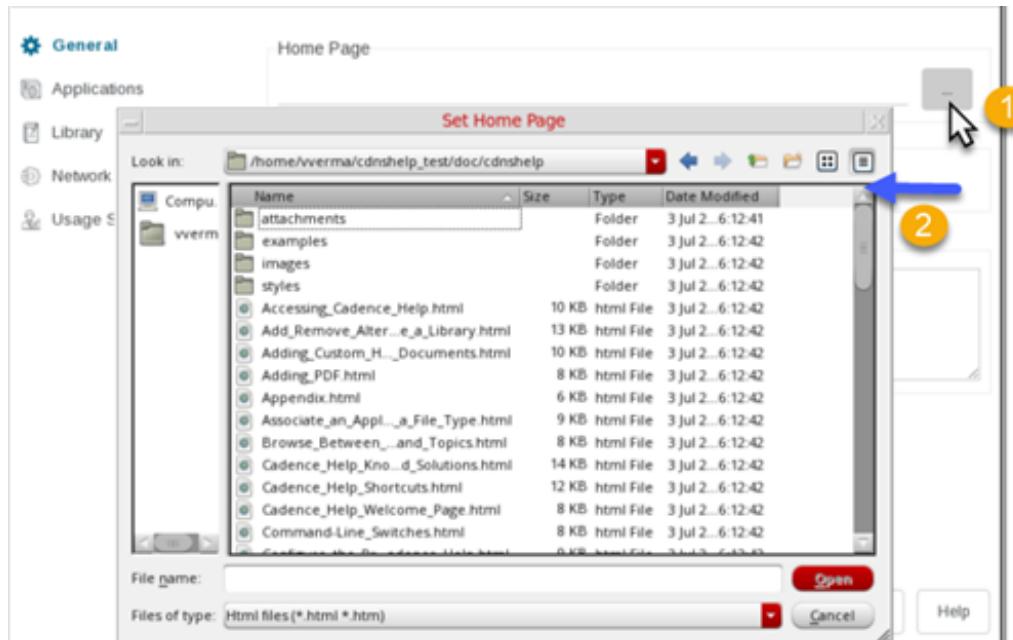
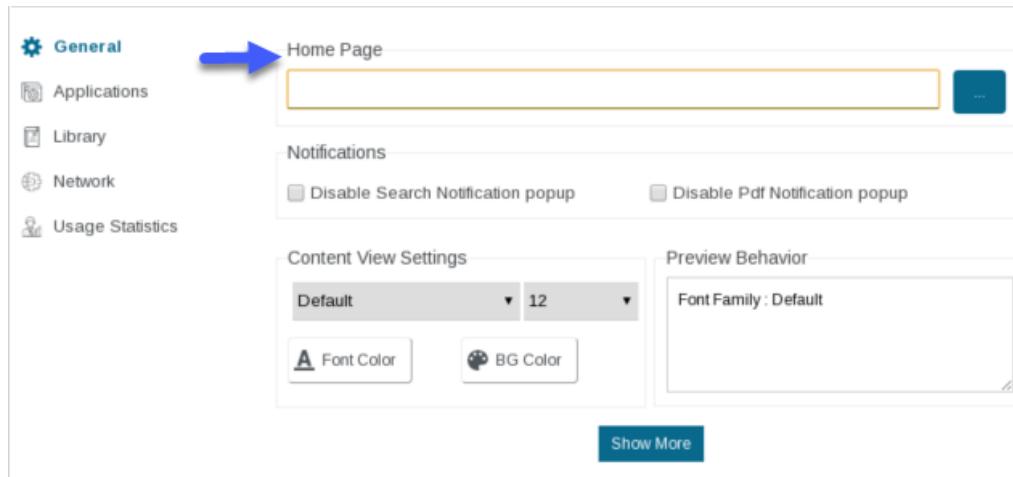
Specify the View Settings of the Content

You can use the *General* tab to set a home page, specify the geometry, font, navigation, and shutdown behavior of the Cadence Help application.



Home Page

You can specify any HTML page from the doc hierarchy as your home page. This page will be displayed in the Topic Viewer when you click the *Home* button on the Topic Viewer toolbar. You can specify the home page in the General Settings.



Disable Notifications

You can disable the notifications related to unsuccessful search attempts and PDF not found.

Notifications

Disable Search Notification popup Disable Pdf Notification popup

Content View Settings

You can specify the font type, size, font color and background color in this section.



Preview Behavior

You can see the font style and size selected.

You can see more settings and change them according to your preferences by clicking [Show More](#). The following options are displayed:

Geometry <input type="checkbox"/> Save the Window Position <input type="checkbox"/> Save the Window Size	Library Pane Behavior <input checked="" type="checkbox"/> Always Expand Documentation <input type="checkbox"/> Always Show Library Pane
Shutdown Behavior <input checked="" type="checkbox"/> Allow Calling Application to Close Cadence Help	
Weblinks <input type="checkbox"/> Open Weblinks in browser	
Search Preferences 10 <input checked="" type="checkbox"/> Match All Words Results per page	

Geometry

Save the window position	Drag the Cadence Help window to any position and then select <i>Save the Window Position</i> to save the current position of the window. The window will be opened at the saved location in future.
Save the window size	Change the size of the window and select <i>Save the Window Size</i> to ensure that Cadence Help opens with the specified size in future.

⚠ The view settings cannot be customized for standard pages, such as Welcome Page, History Page, and Results Page.

Shutdown Behavior

Allow Calling Application to Close Cadence Help: Cadence Help will exit when the Cadence tool from which it was invoked is closed.

Library Pane Behavior

Always Expand Documentation	Keep the Documentation Browser in the <i>always expanded</i> mode.
Always Show Library Pane	Keep the Library Pane in the <i>always visible</i> mode.

Weblinks

Open Weblinks in browser: Cadence Help opens the weblinks in an external web browser, outside of Cadence Help window. This setting also enables the Cadence Online Support links to open in an external web browser.

Search Preferences

You can set the number of search results to be displayed per page.

If you select *Match All Words*, the search results with the strings containing the search keyword will be displayed. This is a default setting,

Specify Video Playback Settings

Video Playback

Allows you to specify whether the videos will be played in the Cadence Help native player or the external web browser. By default, the option is deselected. The recommended resolution is **1280x768** to avail the best viewing experience.

Cadence Help supports the native playback for following video formats:

- [Video Support \(.mp4\)](#)
- [Video Support \(.swf\)](#)

Video Support (.mp4)

Cadence Help now supports the ability to play mp4 videos natively. You can view multimedia demonstrations, which are part of Cadence documentation hierarchy in Cadence Help viewer. You do not require any other software to play mp4 video files in Cadence Help.

To enable mp4 video playback support on Windows, you need to download and install third-party

codec (K-Lite 10.5 or later) from the [free-codecs](#) website.

Video Support (.swf)

To be able to play .swf video format shipped with Cadence documentation, the Windows users must have Adobe Shockwave plug-in installed on your computer. These plug-ins are available at [Adobe](#) website. The Unix users must install Pepper flash player libraries to play .swf videos natively.

You can use the following capabilities to control the pause/play operation of videos in the native player:

- Pause or play a video by clicking anywhere on the video screen.
- Control pause or play operation using the keys on the keyboard. For example, the space bar.
- Move the video back or forward using arrow keys.

Specify the Number of Search Results per Page

Search Preferences

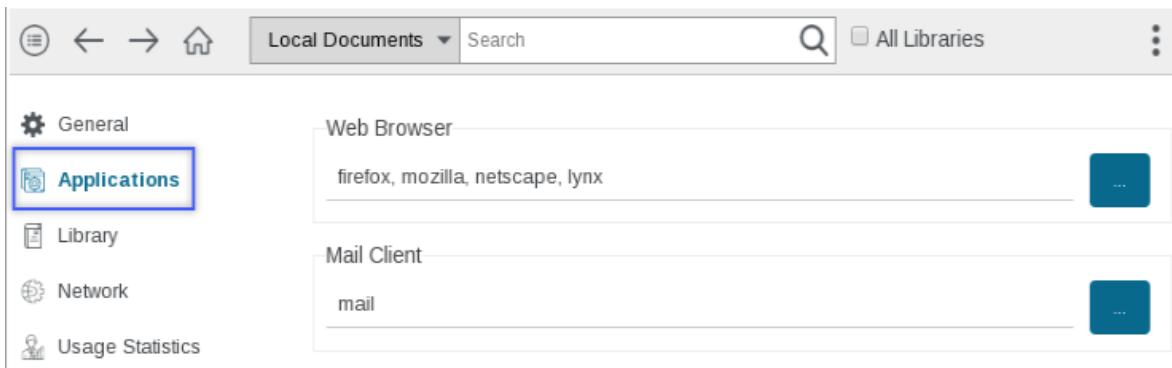
Allows you to specify the number of search results to be displayed per page.

Default: 10

The screenshot shows a dialog box titled "Search Preferences". It contains a numeric input field with the value "10", a checked checkbox labeled "Match All Words", and a label "Results per page" below the input field.

Specify Web Browser and a Mail Client

You can use the *Applications* tab to specify a Web browser, specify a mail client, and associate applications to different file types.



Web Browser

You need to specify a Web browser to open HTTP URLs. To specify a Web browser:

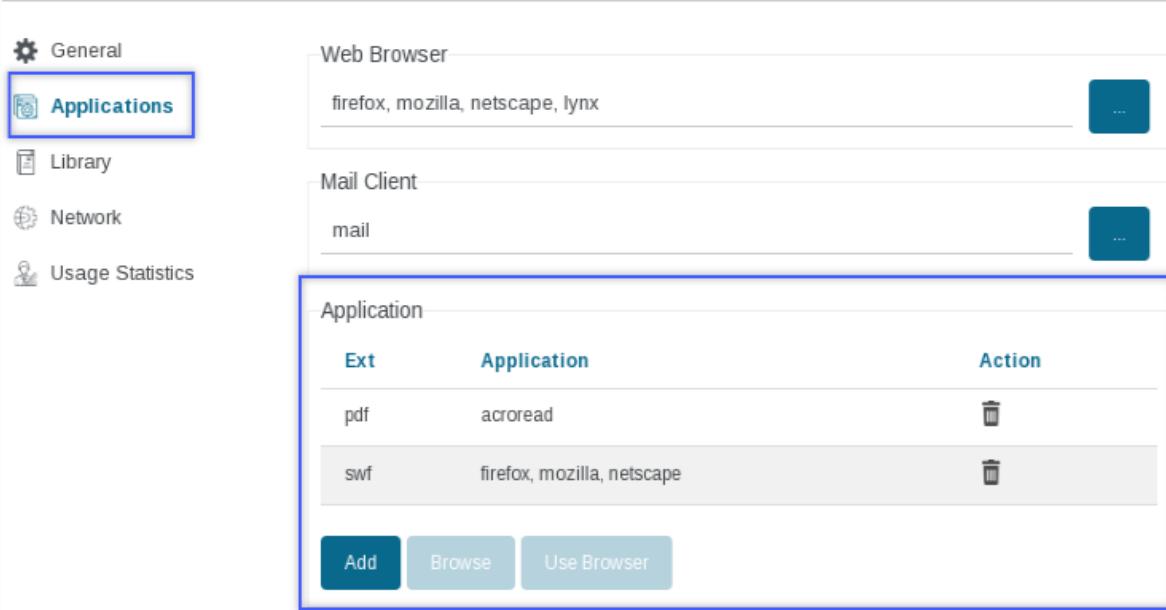
1. Specify the path to the Web browser in the *Web Browser* box.
2. Click *OK*.

Mail Client

Specifies the default mail client. You can browse and select the mail client application that you want to see as the default.

Associate an Application to a File Type

You can use the *Applications* section to associate an application to a file type.



Follow the steps:

1. Click *Add*.
2. Type the extension for the file type in the *Ext* field. For example, type `.txt` for text files.
3. Add the path to the application to open the specified file type.
4. Click *OK* to confirm.

Unsupported File Types

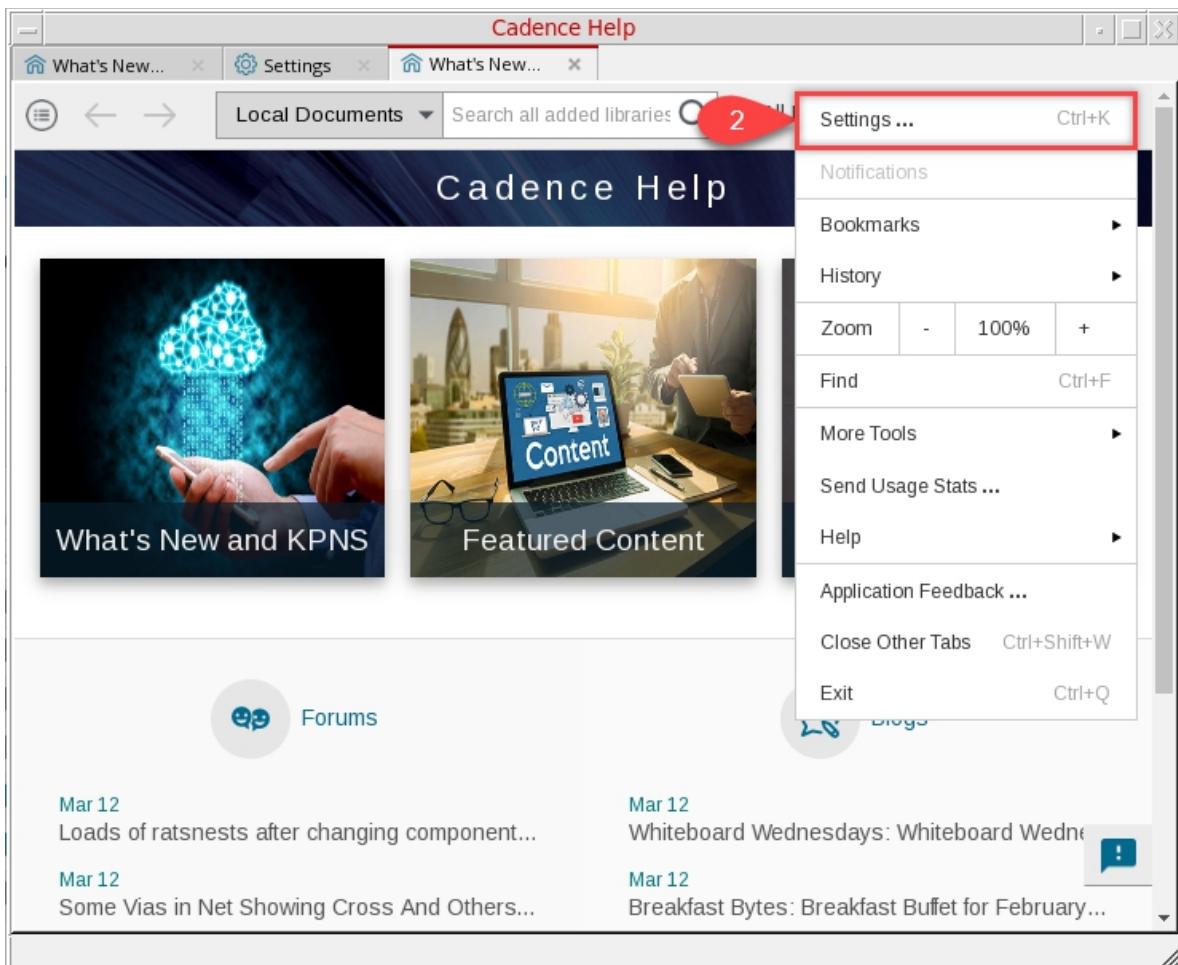
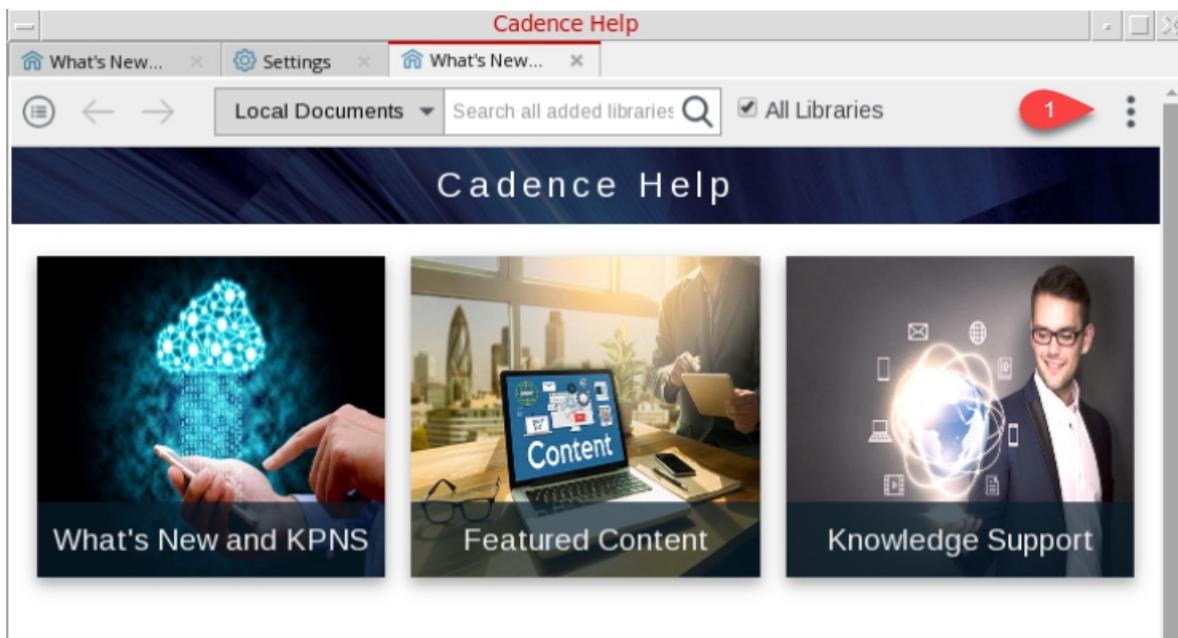
Cadence Help provides the ability to download any binary format (zip or tar, xml) link. It checks for the file extension in the *Application* settings tab and if the given file extension is not supported, it prompts the following dialog box to download the supporting application executable.

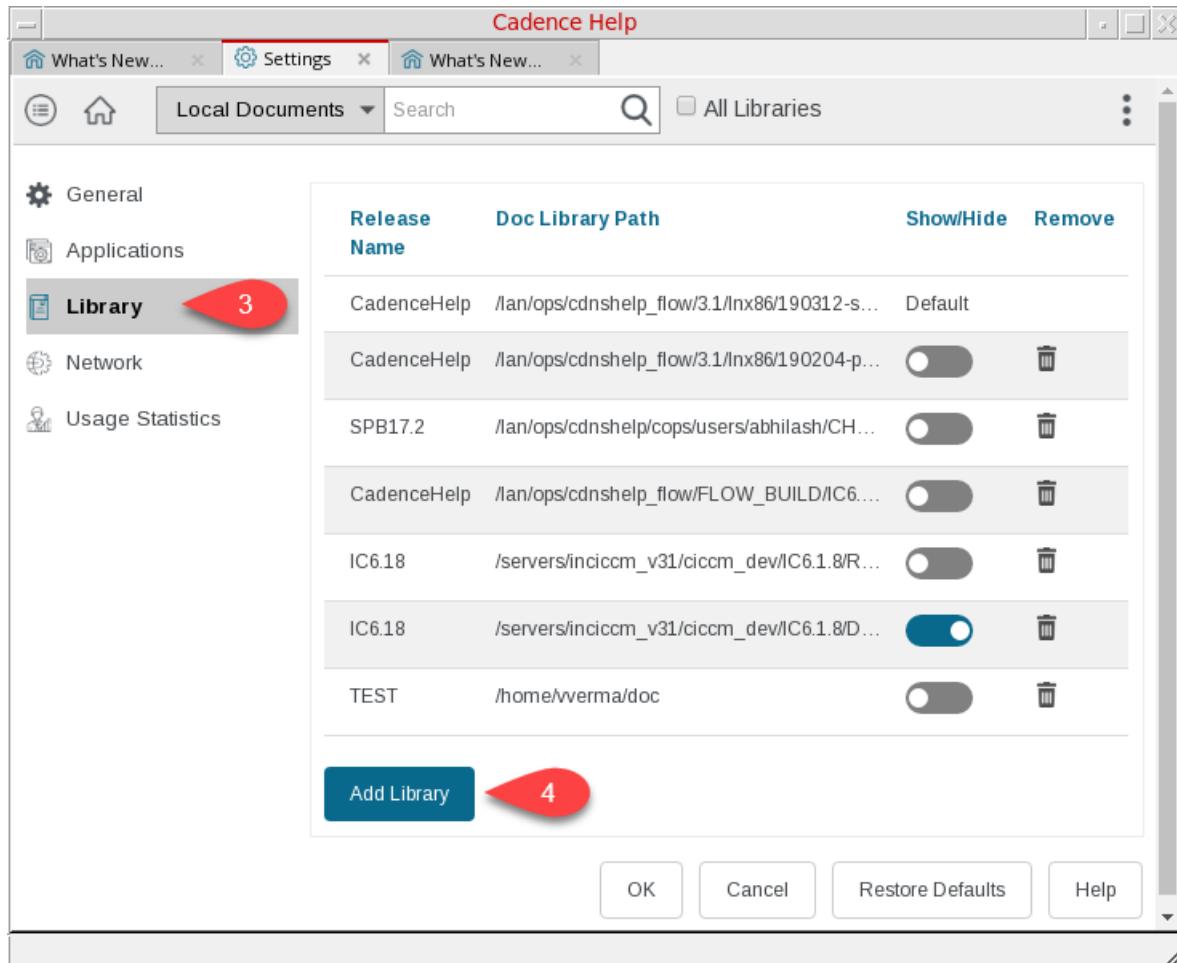


Add/Remove/Alter>Show/Hide a Library

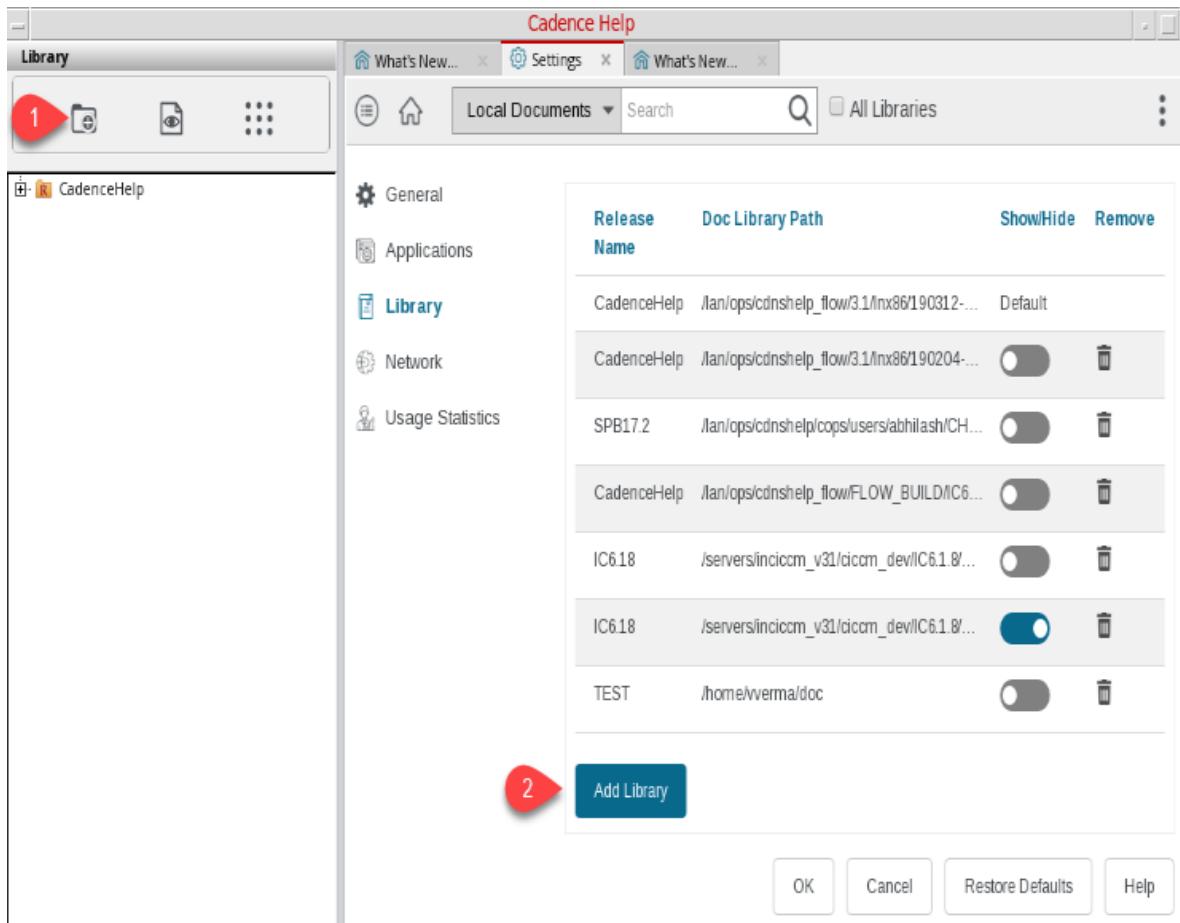
A library in Cadence Help refers to the set of documentation for all products installed at a single location. The default library for Cadence Help is the library corresponding to the location where Cadence Help is installed. Click *Settings*, choose *Library* and click *Add Library*.

Cadence Help User Guide
Modifying Cadence Help Settings (How-To)





Alternatively, Click from the Cadence Help window to open the *Library* tab. Here you can add or remove a library, alter the position of a library, and hide or show a library.



Add a library

Click **Add Library** and browse to the doc directory under the installation directory. Typically, the location of the doc directory will be: <installation_dir>\doc. Then, select the doc directory and press **Choose**. The name of the new library appears in the list of added libraries.

⚠️ This is a per-user setting. See [Load a Predefined Set of Libraries on Cadence Help Startup](#) if you want to add a set of libraries for all users of a Cadence Help installation.

Remove a library

Click **Remove** to remove a library.

Move a library

To move a library up or down in the doc hierarchy displayed in the *Library* pane, select the library and drag its position.

Show/Hide a library

Select the library and check or uncheck  . Note that you cannot hide the default library.

You can also:

[Configure libraries from other locations](#)

[Load a Predefined Set of Libraries on Cadence Help Startup](#)

[Adding PDF](#)

[Adding Custom HTML Documents](#)

Load a Predefined Set of Libraries on Cadence Help Startup

Libraries from other locations can be configured to make them visible to those who are accessing Cadence Help from a particular location. For this, you need to create a `help.ini` file at the location:

```
<inst_dir>/tools.<port>/cdnshelp/config/
```

The content of this `help.ini` file will be:

```
[library]
```

```
<Path of Library 1> (For example: /home/usr1/cadence/IC615/doc/xmlreg/library.lbr)
```

```
<Path of Library 2> (For example: /servers/etstore2/et/setup/111/ET111101.2012-01-21/lnx86/doc/xmlreg/lnx86/library.lbr)
```

Using Environment Variables

You can also specify the environment variables in the path of the library in the `help.ini` file. This enables site administrators to configure Cadence Help installation across the site users.

For example, if you have your Cadence tools installed at `/grid/avs/install/incisiv/latest`, you set an environment variable, `AVS_INSTALL`, which points to the Cadence tools installation directory (using the command `setenv AVS_INSTALL /grid/avs/install/incisiv/latest`).

Now, you can specify the environment variable in the `help.ini` file so that whenever you change the variable to point to a new installation, the corresponding documentation library is loaded. In the

example above, the *help.ini* file looks as shown here:

```
[library]
$AVS_INSTALL/doc/xmlreg/library.lbr
```

- The documentation hierarchies specified in the `CDNSHELP_DOC` variable are also loaded by default. For example, if you specify:

```
setenv CDNSHELP_DOC <install_dir1>/doc:<install_dir2>/doc
```

Cadence Help loads the documentation hierarchies for `install_dir1` as well as `install_dir2`.

 The above command works for Linux platform. Windows platform does not support ':' as a delimiter. Use the following syntax for setting variable:

```
set CDNSHELP_DOC <install_dir1>/doc;<install_dir2>/doc
```

-  You can use a combination of command-line switches with the environment variables to launch Cadence Help. For example, you can use the switches such as `-hierarchy` and `-openpage` to launch and load a topic directly into Cadence Help.

For example,

```
cdnshelp -hierarchy $MYLIB/doc/xmlreg/library.lbr -openpage mydoc:mytopic
```

In this example, the *mytopic* page of the *mydocbook* loads into Cadence Help.

- You can run Cadence Help in Offline mode, without making any network calls. Specify the following command:

```
setenv CDNSHELP_OFFLINE t
```

Using `USE_PATH` entry

If your Cadence Help installation location is present in the PATH variable, you can specify the `USE_PATH` entry in the *help.ini* file. This enables Cadence Help to load all the documentation libraries present in the PATH. A sample *help.ini* file looks as shown here:

```
[library]
$AVS_INSTALL/11.1/11.10.076/doc/xmlreg/library.lbr
```

USE_PATH

Disabling Cadence Help Features

- To disable *Show Usage Statistics*, add the following entry in *help.ini*:

REMOVE_STATS

- To disable *Glossary*, add the following entry in *help.ini*:

REMOVE_GLOSSARY

- To limit network calls, sharing information like context, release version, call mode etc., while launching Cadence Help, add the following entry in *help.ini*:

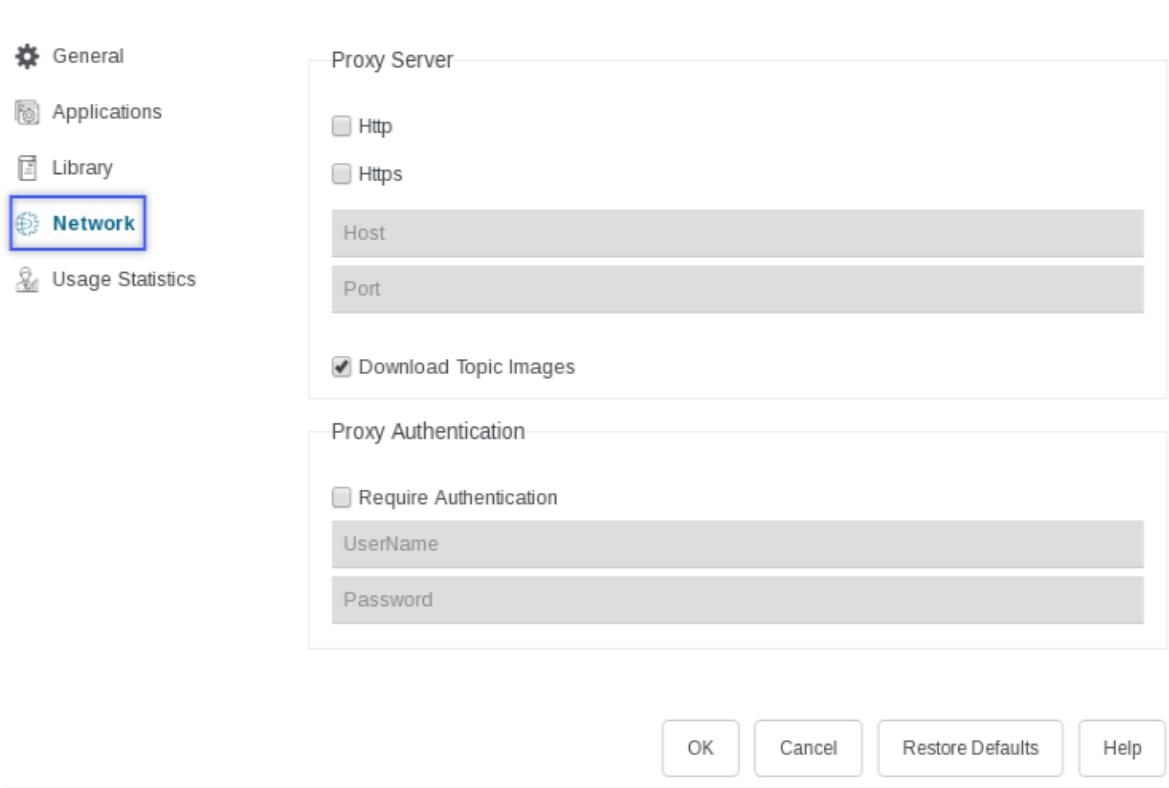
REMOVE_TRACK

- To launch Cadence Help in offline mode, completely cutting the network calls, set the following environment variable:

```
setenv CDNSHELP_OFFLINE t
```

Configure the Proxy Settings for Cadence Help

The *Network* settings let you manually configure the proxy server for Cadence Help. These settings will be specific to your corporate network and are applicable to all supported platform, such as Windows and LINUX. If you are not able to access online documents in Cadence Help, you may need to configure these settings. The network administrator of your corporate network is able to provide you with the details.



Proxy Server

To manually configure the proxy server settings:

1. Click *Settings* in the hamburger menu.
2. Click the *Network* tab.
3. Specify *Server Type* - *Http/Https*.
4. In the *Host* field, specify the name of the host computer.
5. In the *Port* field, specify the port number.
6. Click *OK*.

⚠ Deselect the *Download topic images* option if you want to load the online pages faster. This only load the text of the topic from the CDNSHelp DocServer.

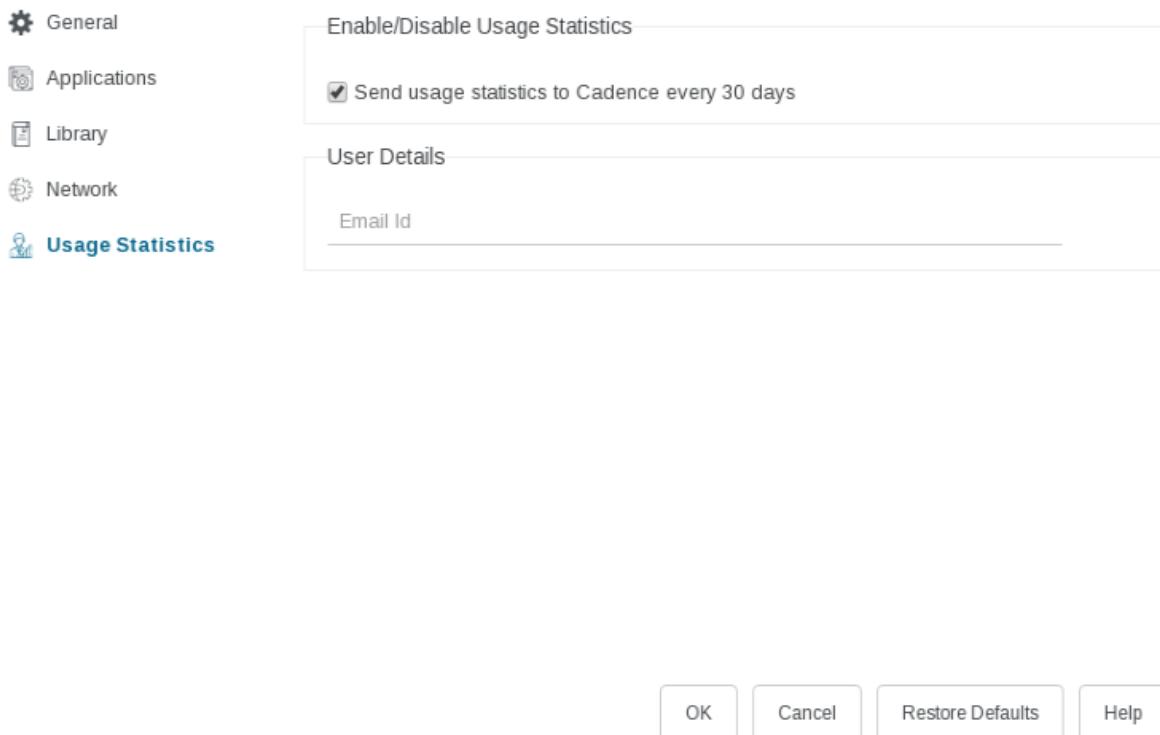
Proxy Authentication

To manually configure the proxy authentication settings:

1. Click *Settings* in the hamburger menu.
2. Click the *Network* tab.
3. Select the *Require Authentication* option.
4. In the *User* field, specify the login name.
5. In the *Password* field, specify the password.
6. Click OK.

Display Browse History and Usage Statistics

The *Usage Statistics* let you define the settings for sending the Cadence Help usage details for a user to Cadence.



We recommend to enable this option.

 It is ensured that no confidential or system-specific information is shared with Cadence.

Enable/Disable Usage Statistics

Select the *Send Usage Statistics to Cadence every 30 days* check box to enable this feature.

User Details

This is an optional field. You can provide an e-mail address to the Cadence Help support team along with the approval for sending the usage statistics.

Using Environment Variable to Disable Usage Statistics

You can add the following entry in the help initialization file, *help.ini*, to disable this feature:

REMOVE_STATS

Disabling Notifications

To disable the notifications related to unsuccessful search attempts and PDF not found, you can select the respective option in the *General* tab in *Settings*.



Customizing Libraries (How-To)

You can customize the existing libraries by adding the HTMLs and PDFs. Refer to the following procedures to add the custom content:

- [Adding Custom HTML Documents](#)
- [Adding PDF](#)

Adding Custom HTML Documents

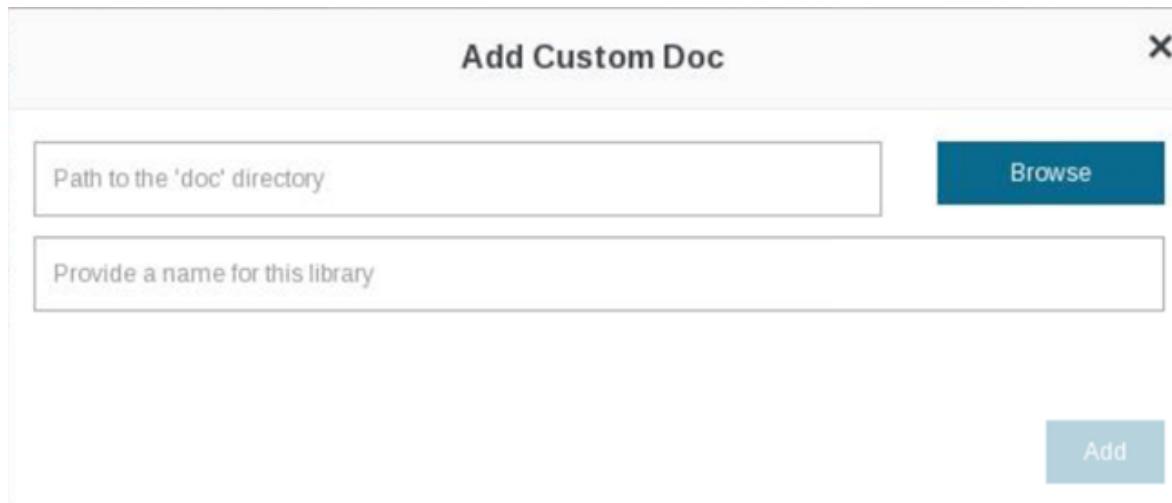
Cadence Help allows you to add non-Cadence HTML documents so that you can browse and search for them using the Cadence Help interface. This process has been automated by the *Add Custom Documents* command. Refer to the following steps:

1. Create a `doc` directory.
2. In the `doc` directory, create a sub-directory. The name of the sub-directory appears as a node (manual name) in the *Library* pane.
3. Place all the HTML documents within the sub-directory.



You can specify multiple sub-directories.

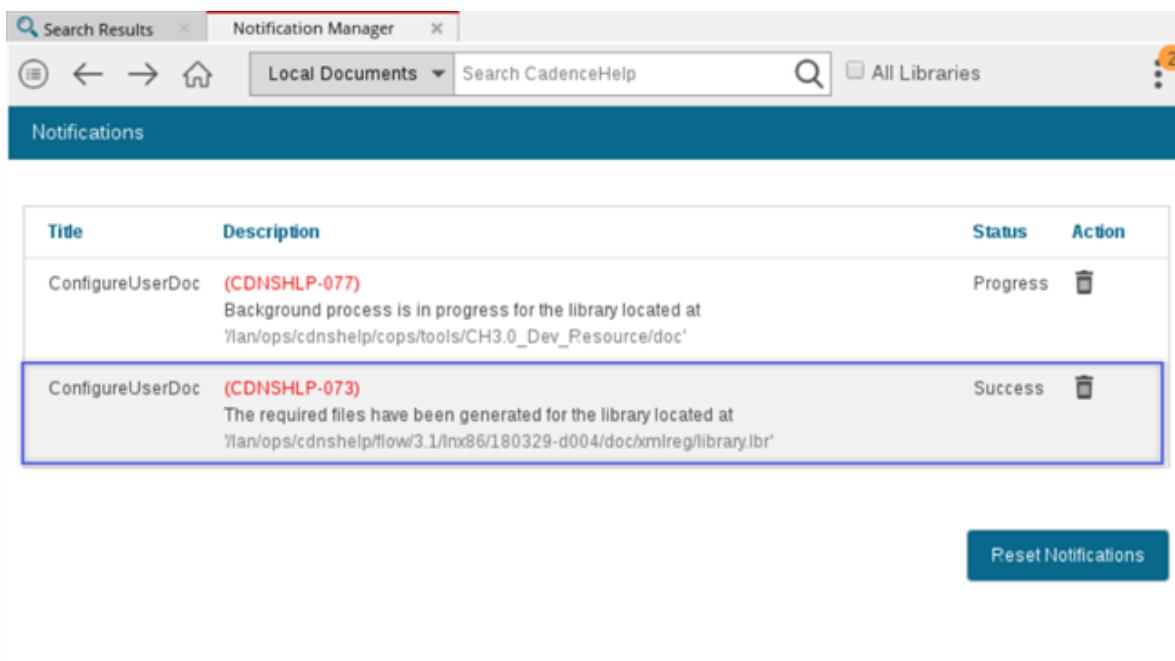
4. Click *More Tools - Add Custom Documents* in the hamburger menu.
The *Add Custom Documents* wizard appears.



5. Click *Browse* to navigate to the `doc` directory you have created in the earlier steps.

⚠ Before you click *Browse*, make sure that you have write permission on the specified directory.

6. Enter the name of the custom documentation library. The default value is `Custom Docset`. Click *Add*.
7. Notification messages for adding the custom doc and successfully completing it come on the same page and then appear in the *Notifications* table.



Adding PDF

To add a PDF to Cadence Help:

1. Close the Cadence Help window, if open.
2. Open `install_dir/doc`.
3. Create a subdirectory within the doc directory, and add the PDF to this subdirectory.
4. Go to foolabs.com and download the `xpdf` precompiled binaries specific to your platform.

⚠ At present the precompiled binaries are available only for Linux, Solaris, and Windows platforms.

5. Copy the `xpdf` executable file to a location which is in `PATH`. For example, on Windows XP, copy the file to `C:\WINDOWS\system32`.
6. Run the command: `cdnshelp -refresh`.
7. An alert (CDNSHLP-042) appears. Click *Yes* to continue.
8. The *Configure Cadence Help* dialog box appears. Click *Go*. After completion, click *Ok*.

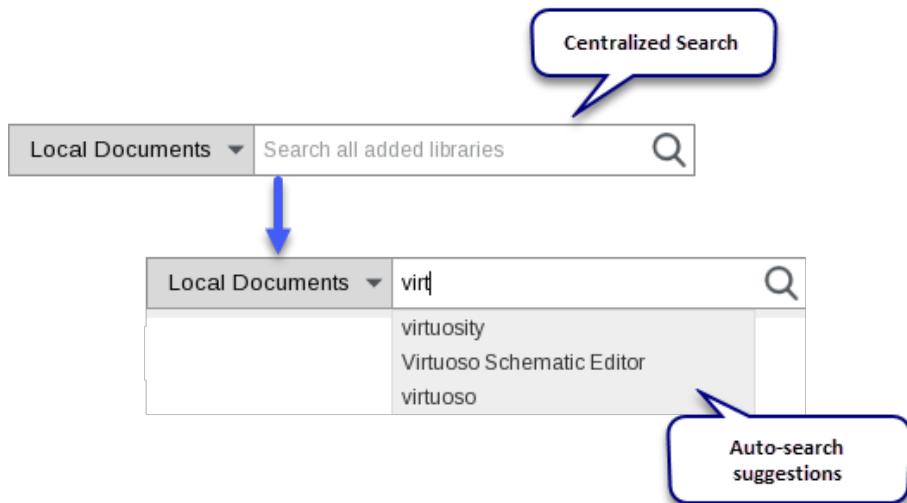
9. Under the Documentation Browser, locate the directory named PDF, containing the subdirectory you had created. You can find the newly added PDF within this subdirectory.

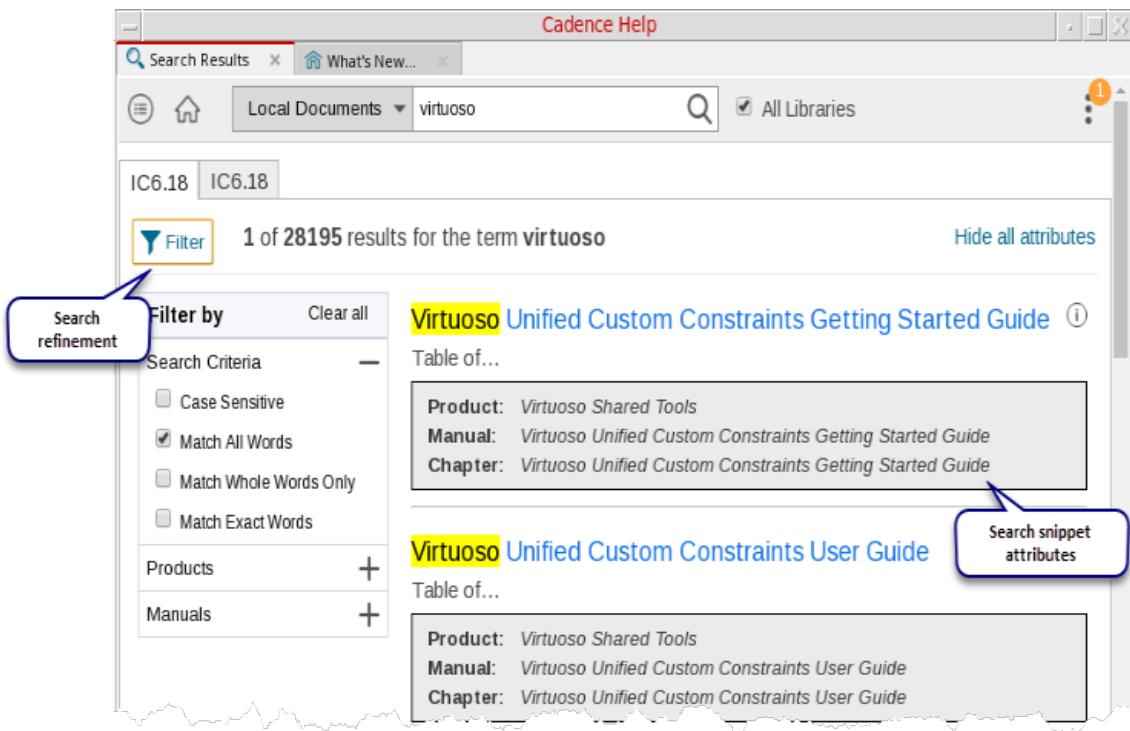
Searching Through the Content (How-To)

You can perform a search from the Topic Viewer by using global search box (

Local Documents ▾ Smart view ). Define the search location, such as Local Documents, CDNSHelp DocServer, or Cadence Online Support (COS). By default, local documents are searched.

When you search through an online resource like COS, by default, the search results open in Cadence Help window.





To open a search result in the web browser, instead of Cadence Help window, you can change the opening mode in Settings menu.

Auto search suggestions and Instant Search

Specify a keyword in the search box to use auto-complete functionality and see the predicted results in a list. These are called 'Auto-suggestions'. They are sourced from past history and search data on COS.

Scroll down each option in the drop-down list to see the search results update dynamically. This is called 'Instant Search'.

Search Location

Local Documents	Search within the product documentation available on your machine.
CDNSHelp DocServer	Search the latest version of product documentation available on the doc server.
Cadence	Search the product documentation on Cadence Online Support. When you

Online Support

search for a topic, it displays the content on the Cadence Online Support web site. Enter your user credentials to access the content. The results include the following (but not limited to) document types:

- Product manuals
- Application notes
- Troubleshooting information
- New or changed features
- Design info
- Installation and configuration

The screenshot shows the Cadence Help interface with a search results page for the term "timing". The search bar at the top contains "timing". Below the search bar, the title "Online results for the term timing" is displayed. The results are organized into several categories:

- App Notes**: Includes links to "Conditional and Negative Timing Checks in Verilog Designs", "Negative Timing Checks - Non-convergence and Delayed Signals", "Clock Gating and Associated Timing Checks using Genus", and "Stylus Unified Metrics".
- Blog**: Includes links to "How To Improve Timing Critical Path Analysis", "Enable Remote Timing Analysis Without Revealing Your RTL", "RTL Compiler (RC) Timing Analyzer (RTA) Flow", and "Getting Good Silicon With More Accurate Timing".
- Course**: Includes links to "Basic Static Timing Analysis", "Tempus Signoff Timing Analysis and Closure", "Tempus Signoff Timing Analysis and Closure with Stylus Common UI", and "Innovus Implementation System (Block)".
- Error Message**: Includes links to "Timing check differences when using == versus === operators in conditions", "How to deal with potential time unit differences while working with Genus", "How to disable/enable a timing check in a design", and "How to turn off unexpected timing violations because of signals going X".
- Forum**: Includes links to "xrun timing check", "Hold Timing Violations", "Hierarchical Design using characterized blocks timing issues", and "Playground Timing lab and constraint?".
- Install**: Includes links to "Installation and Licensing Information" and "License checkout failed with *F NOLICN...(flag -42) lic_error -10' during license expiry though -lque is".
- Manuals**: Includes a link to "Verilog Timing Checks -- Overview - Overview".
- New Features**: Includes a link to "How to Analyze Timing Report in Genus GUI (Video)".
- Rak**: Includes a link to "Static Timing Analysis on Schematic-based Mixed-Signal Design".

- ⓘ The results are displayed based on the products listed in the *Library* pane.

When you click a result, it opens up in a separate *Online Resources* tab.

Notice that some result tiles contain a symbol  , which represents that these search results open in an external web browser. Depending on the type of content, you may have to provide your support.cadence.com credentials.

- ⓘ Search result categories such as Application Notes and RAKs contain  at the top. This means that results for such tiles will open up in the default web browser. This is because the document format for such categories is PDF that cannot be displayed within Cadence Help.
If it doesn't open in an external web browser, you need to make the required settings in Cadence Help. To set the browser, go to *Settings* → *General* → *View*.

Accessing Cadence Online Support via Cadence Help

Cadence Help, by default, opens up the external links (websites) within Cadence Help (as a separate tab). Depending on the type of content, you may have to provide your support.cadence.com credentials.

- ⓘ To access the Cadence Online Support links in an external web browser, choose, **Open Weblinks in Web Browser**, under *General* tab of *Settings*. To learn more about it, refer to the chapter [Specify the View Settings of the Content](#).

- ⚠ If a Cadence Online Support link opens in Cadence Help window, it does not support the Cadence Help toolbar. To return to Cadence Help home page, use the mouse right-click option.

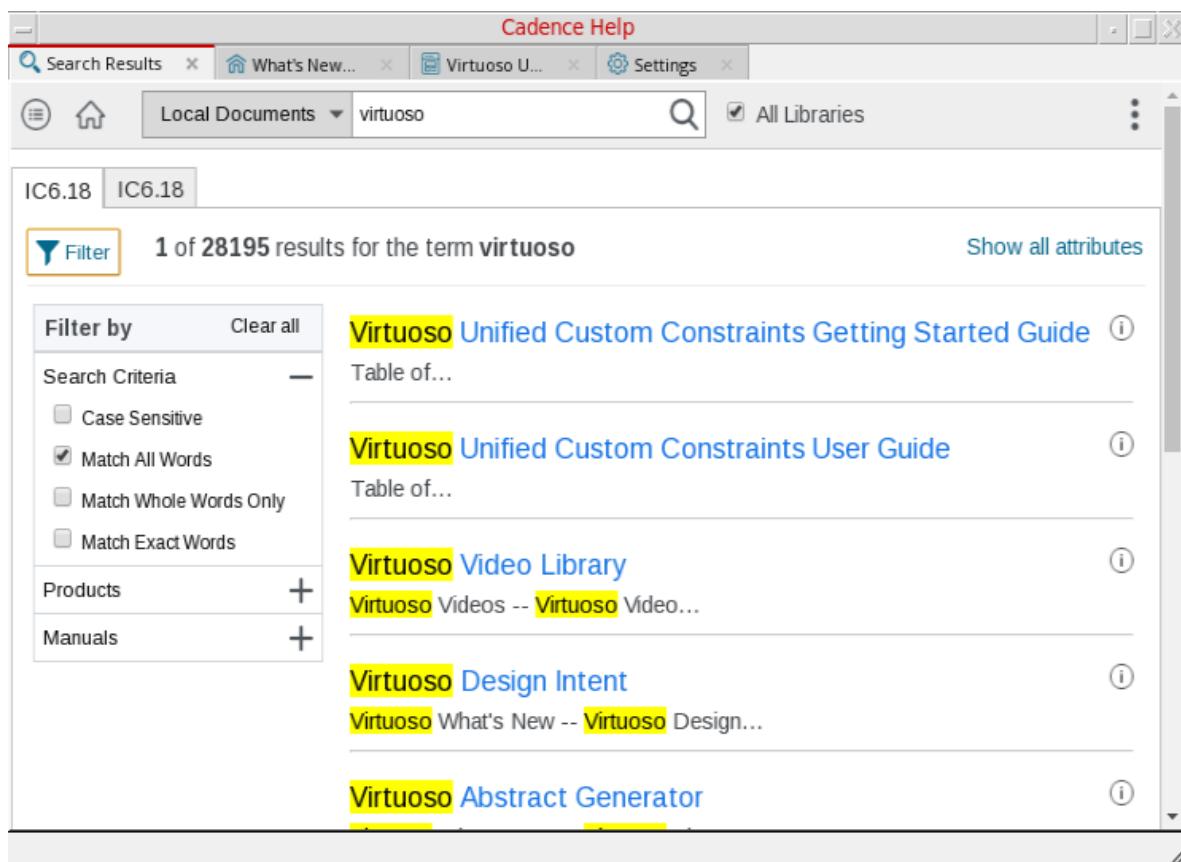
Refer to the following related tasks:

- [Specify Search Criteria](#)

- Show/Hide Attributes

Specify Search Criteria

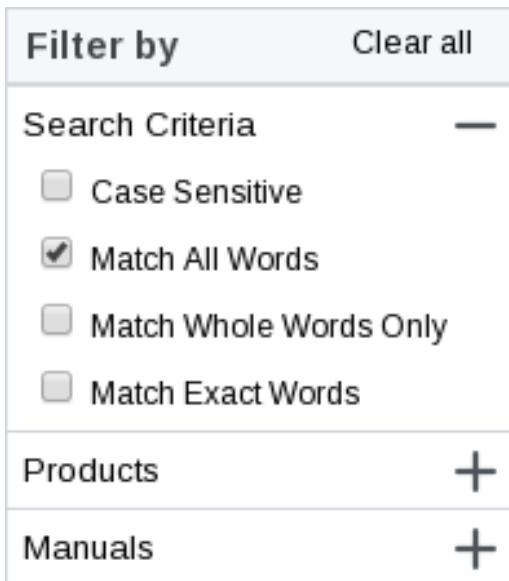
Cadence Help allows scoping the search results further by applying simple filters. On a search results page, click  to open the filter menu.



The screenshot shows the Cadence Help interface with the 'Search Results' tab selected. A search bar contains the term 'virtuoso'. To the right of the search bar is a checked checkbox for 'All Libraries'. Below the search bar, two tabs are visible: 'IC6.18' and 'IC6.18'. A 'Filter' button is highlighted with a yellow box. The main content area displays a list of search results, each preceded by a yellow box containing the word 'Virtuoso'. The results are:

- Virtuoso Unified Custom Constraints Getting Started Guide
- Virtuoso Unified Custom Constraints User Guide
- Virtuoso Video Library
- Virtuoso Design Intent
- Virtuoso Abstract Generator

On the left side, there is a sidebar titled 'Filter by' with sections for 'Search Criteria' (Case Sensitive, Match All Words, Match Whole Words Only, Match Exact Words), 'Products', and 'Manuals'. The 'Match All Words' option is checked in the 'Search Criteria' section.



Search Criteria

Case Sensitive	Perform a case-sensitive search.
Match all words	Search for all the words, by default, provided in the search text box, including the substrings, irrespective of the order in which the words appear. For example, if you type <code>ncvlog ncsc</code> in the search text box, the search results include all the documents containing both <code>ncvlog</code> and <code>ncsc</code> in any order. Also, if you search for <code>retain</code> , the search results includes <code>retain_state</code> and <code>get_retain_state</code> , in addition to <code>retain</code> . This search option can be used for COS search too.
Match whole words only	Search for the whole words included in the search query. For example, if you search for <code>expression</code> , you will not get the results for <code>exp</code> or <code>expr</code> .
Match exact words	Search for the exact words included in the search query. For example, if you search for <code>exp</code> , you will not get the results for <code>expression</code> . This search option can be used for COS search too.

Filters

By Product	Filters search results according to the type of product.
By Document Type	Filters search results according to the type of document.

Show/Hide Attributes

The search result attributes appear immediately after the result page link. It provides brief description about the search result, such as the product category, manual name that contains the content, and the specific chapter name. Click [Show all attributes](#) / [Hide all attributes](#) to show or hide the attributes for all the search results. You can use [\(i\)](#) to view the attributes of the specific results.

The screenshot shows the Cadence Help interface with a search query for "virtuoso". The results page displays two items: "Virtuoso Unified Custom Constraints Getting Started Guide" and "Virtuoso Unified Custom Constraints User Guide". Each result has a "Show all attributes" button (highlighted with a blue box) and an information icon (i). Below each result, there is a detailed box showing product, manual, and chapter information. The "Virtuoso Unified Custom Constraints Getting Started Guide" result also has a "Hide all attributes" button (highlighted with a blue box).

Search Results: virtuoso

Local Documents: virtuoso

IC6.18

1 of 28195 results for the term virtuoso

Virtuoso Unified Custom Constraints Getting Started Guide [\(i\)](#)

Table of...

Product: Virtuoso Shared Tools
Manual: Virtuoso Unified Custom Constraints Getting Started Guide
Chapter: Virtuoso Unified Custom Constraints Getting Started Guide

Virtuoso Unified Custom Constraints User Guide [\(i\)](#)

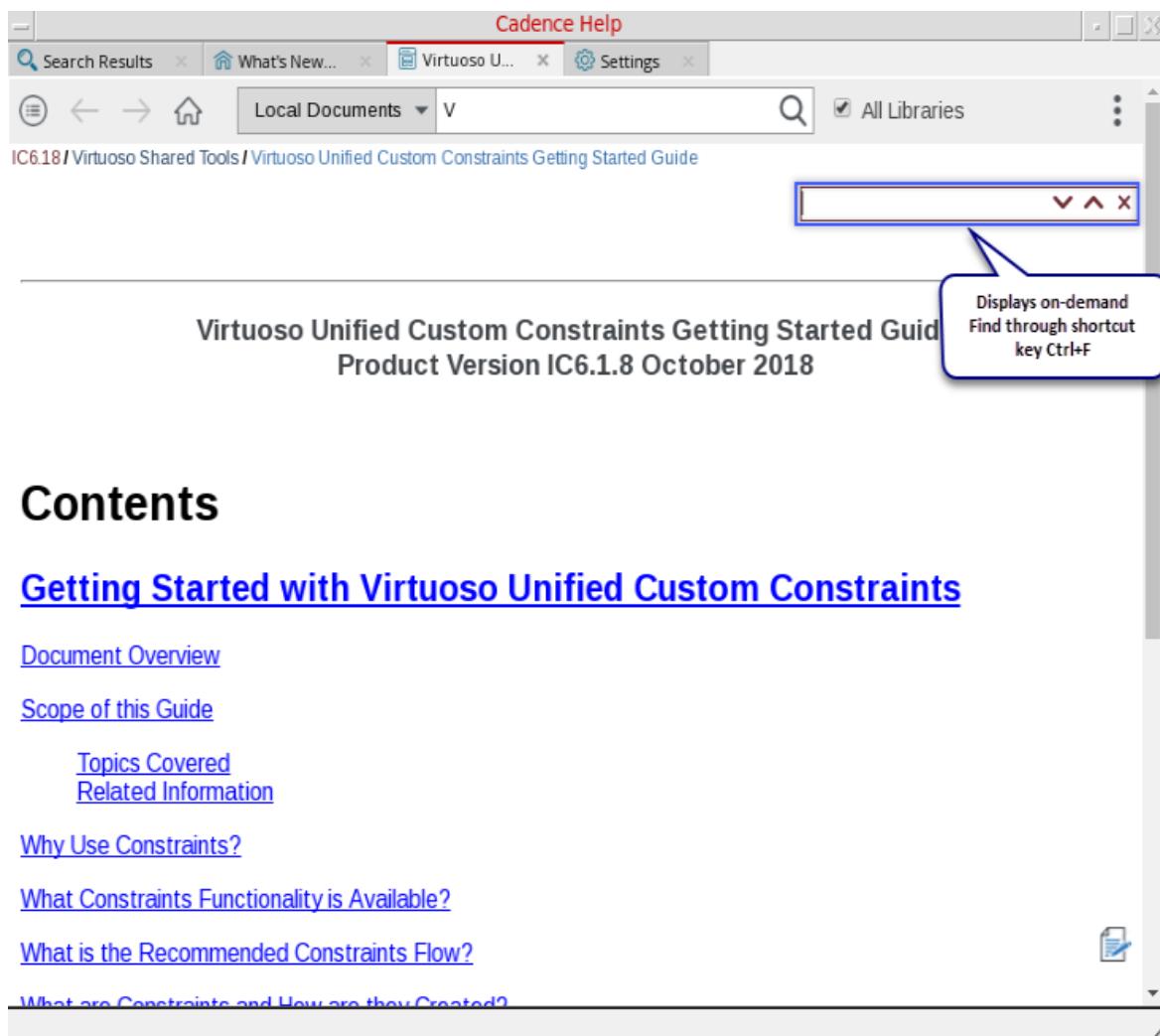
Table of...

Product: Virtuoso Shared Tools
Manual: Virtuoso Unified Custom Constraints User Guide
Chapter: Virtuoso Unified Custom Constraints User Guide

Virtuoso Video Library [\(i\)](#)

Finding Content on a Page

To view or locate a specific content section on the given page, click *Ctrl+F* to open the *Find* box.



It is an on-demand feature. When you search for a text globally, the results show snippets, which highlight the exact position of the searched text in the various pages of the search result. You can click the relevant page and then do *Ctrl+F* to go to the exact point of the occurrence of the searched text/word.

 It is possible that a page appears in search result (which is fetched because the keyword is found in its meta tag), but it does not contain that text. In this case *Ctrl+F* is not effective.

We can also say that the searched keywords will be highlighted on the page. You can navigate up and down the page to look for the relevant content.

You can close the *Find* box by clicking *Esc*.

Navigating Through the Content (How-To)

You can navigate through the desired content by using either of the following:

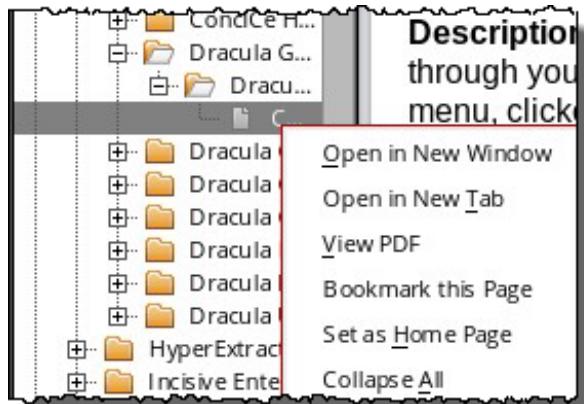
- Library pane
- Breadcrumbs
- Context-sensitive navigation

Library pane

The *Library* pane provides the navigation support. By default, when you launch Cadence Help from command line, the Library pane does not appear. Click  on the toolbar to show or hide the pane.

The *Library* pane displays the entire set of documentation for Cadence products that are installed on your machine. You can use the pane to explore the product documentation organized in the order of Releases → Products → Manuals → Topics. You also have the choice to view documentation by product or documentation type. The pane sorts and displays the topics within a library either numerically or alphabetically, unless there is a pre-specified order.

Right-Click Options



You can right-click a topic in the *Library* pane to:

- Open the topic in a new window
- Open the topic in a new tab
- View the PDF associated with the topic
- Bookmark a topic
- Set the topic as your home page
- Collapse the documentation hierarchy

Breadcrumb Features:

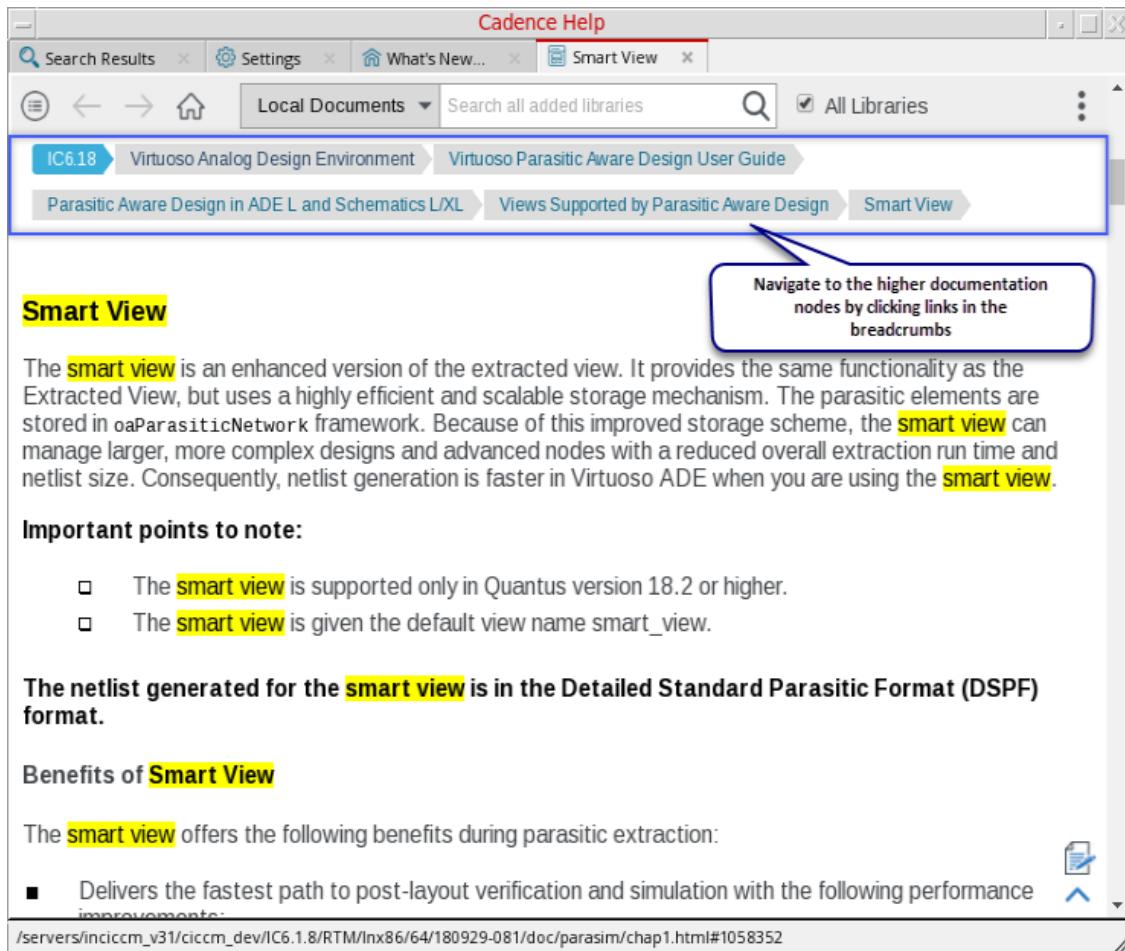
- On clicking a chapter, breadcrumb link page will be opened in topic viewer.
- On clicking a Product, breadcrumb link navigation pane will show only current product tree nodes.
- On clicking on a Group, breadcrumb link navigation pane will show only current group tree nodes.
- On clicking on a Release, breadcrumb link navigation pane will show full release tree nodes.

Refer to the following related tasks:

- [Browse Between Pages and Topics](#)
- [Navigate Through Context-Sensitive Content](#)

Browse Between Pages and Topics

In the Topic Viewer, each topic page displays breadcrumbs, which is supported as secondary navigation. This provides you the flexibility of navigation through the Topic Viewer or the *Library* pane.



When you click:

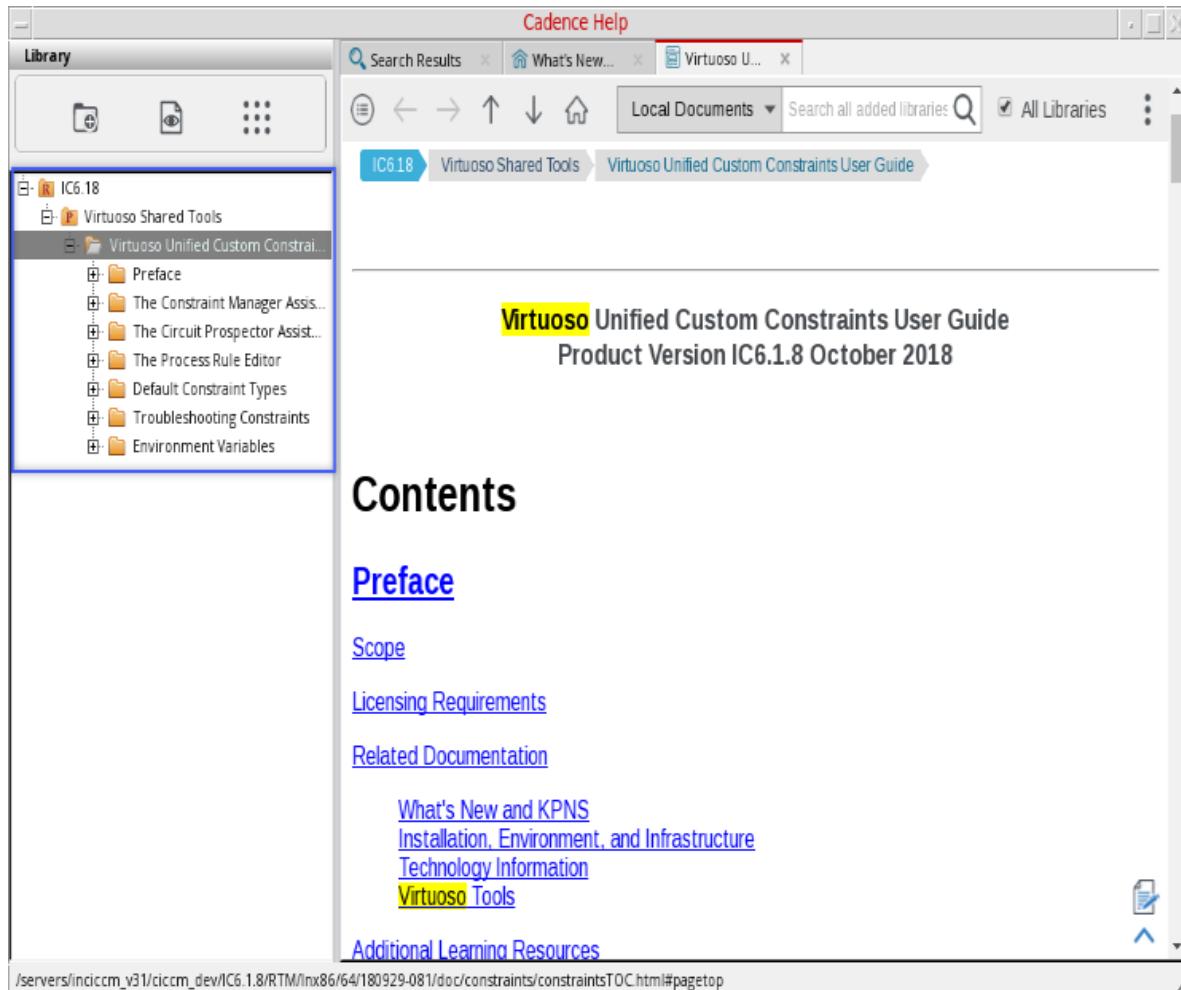
- a chapter breadcrumb link, page opens in the Topic Viewer.
- a product breadcrumb link, navigation pane shows only the current product tree nodes.
- a group breadcrumb link, navigation pane shows only the current group tree nodes.
- a release breadcrumb link, navigation pane shows full release tree nodes.

Navigate Through Context-Sensitive Content

Cadence Help provides the ability to display the navigation tree according to the current context or the topic shown in the topic viewer. This displays a crisp and clear view of navigation tree. You can switch between the full tree view and context-sensitive tree view using the toolbar available in the *Library* pane. By default, the context-sensitive tree is displayed.

When you search for something, by default, the context-based navigation pane is displayed. As

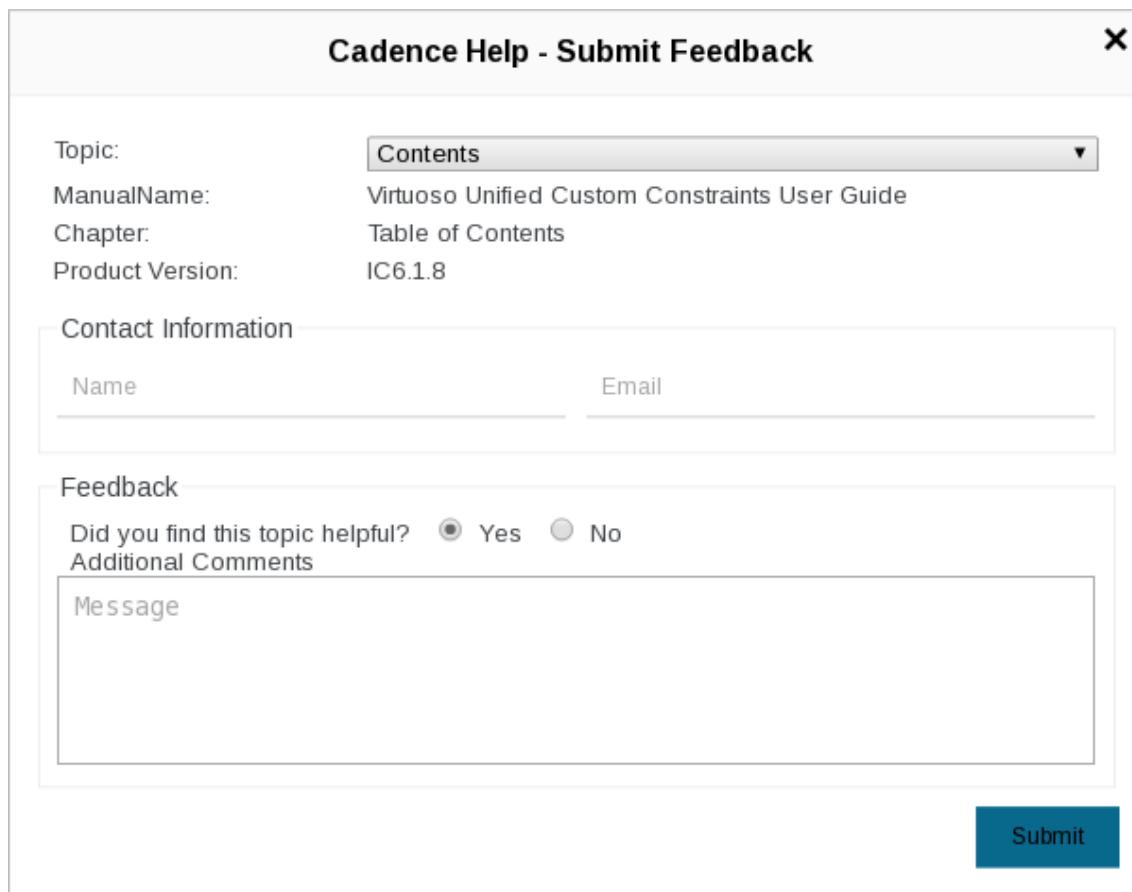
soon as you add a library, the left navigation pane will display all the libraries which are currently available.



⚠ The document and folder views can be classified in the navigation tree.

Providing Feedback

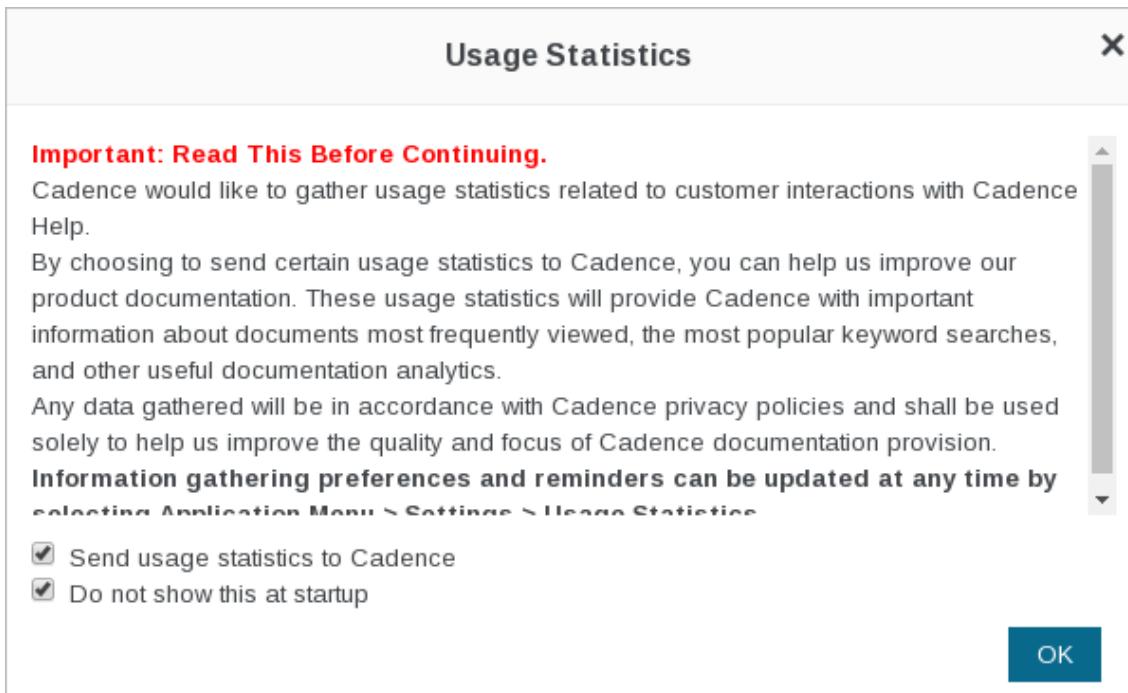
You can provide documentation related feedback by clicking  in the content viewer pane. It opens the *Cadence Help - Submit Feedback* form as shown below.



The screenshot shows the 'Cadence Help - Submit Feedback' dialog box. At the top, it displays the topic details: ManualName: Virtuoso Unified Custom Constraints User Guide, Chapter: Table of Contents, and Product Version: IC6.1.8. Below this, there's a 'Contact Information' section with fields for Name and Email. Under the 'Feedback' section, there's a question 'Did you find this topic helpful?' with radio buttons for 'Yes' (selected) and 'No'. A 'Message' area is available for additional comments, and a 'Submit' button is at the bottom right.

You can also provide Cadence Help related feedback by clicking the same icon on the Cadence Help Welcome page.

In addition, you can send usage statistics related to your interactions with the Cadence Help. Select the check box *Send usage statistics to Cadence* in the *Usage Statistics* as shown below. This dialog box appears when you launch Cadence Help. Alternatively, you can view this dialog box by clicking *Send Usage Stats...* in the hamburger menu.



Sharing Documents

Cadence Help enables you to share documents with other users. You can right-click and select the *EMail Current Location* option on the current page to email the path to that page to another user. The other user, who should have access to the library containing that page, can then enter the path in the Cadence Help search window and view the page.

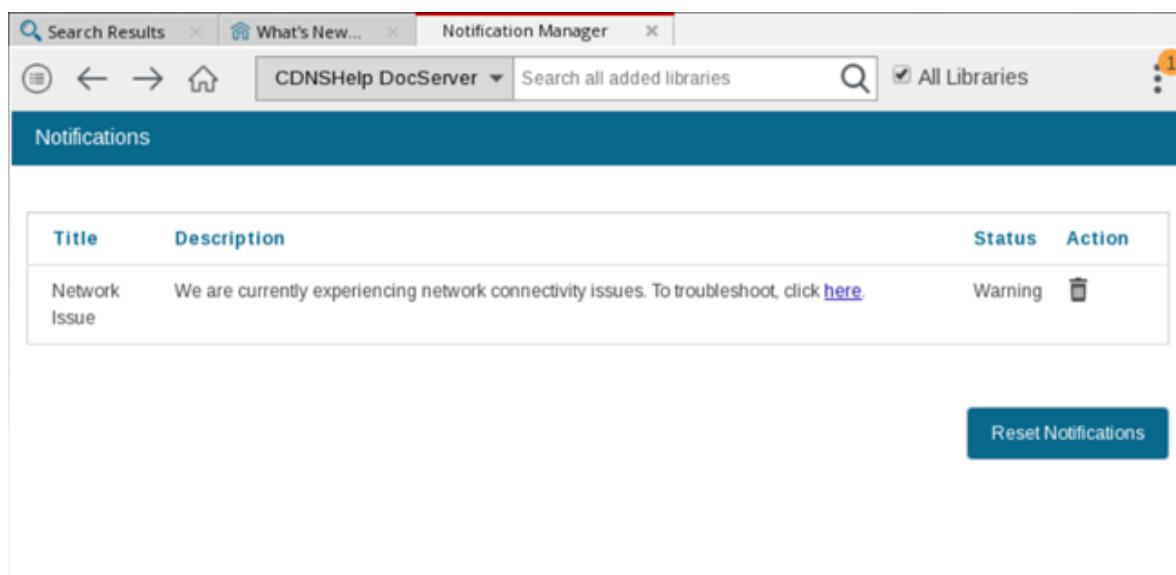
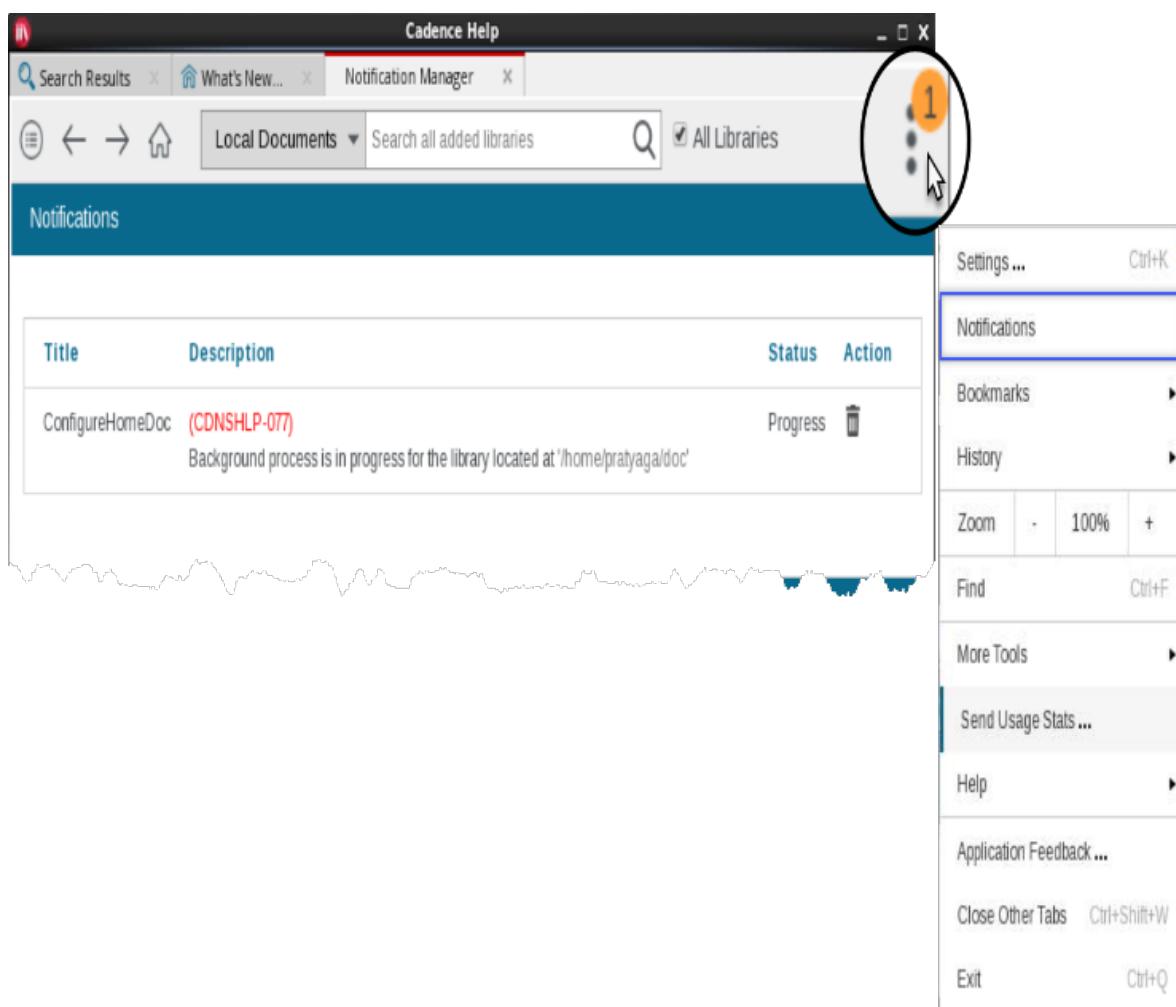
Viewing Notifications

Cadence Help notifies you about some important occurrences, including error, warning, information and success messages for the scenarios shared below. These are visible as notifications or messages on the interface. You can also click *Notifications* in the hamburger menu to view them.

- Status of background processes run at index refreshing, importing documents and configuring documentation options
- Outdated search index
- Cannot generate PDF

Cadence Help User Guide

Viewing Notifications



The *Notifications* table contains the list of notifications or messages. Each entry contains the *Title*,  *Description* and its *Status*. You can delete a notification after viewing it by clicking .

Reset Notifications

Click  to clear the table and start afresh.

Troubleshooting

- [Debugging Cadence Help](#)
- [Accessing Cadence Help](#)
- [Viewing Tool and Application Menu](#)
- [Modifying Configuration Settings in Cadence Help](#)
- [Delay in Viewing Online Documents via CDNSHelp DocServer](#)
- [Debugging Proxy Settings and Firewall Issues in Cadence Help](#)
- [Topics not displayed in documentation browser](#)
- [Viewing the Updated Content in Cadence Help](#)
- [Working with Tag Files](#)
- [Opening custom help forms in Cadence Help](#)
- [Moving documents from UNIX to Windows](#)
- [Opening Cadence Help in the Windows Operating System](#)
- [Using Cascading Style Sheets](#)

Debugging Cadence Help

You can set the `CDNSHELP_API_DEBUG` and `CDNSHELP_DEBUG` environment variables to debug Cadence Help. To log API-specific information, set `CDNSHELP_API_DEBUG` to `debug`. When this is set, the debug information is written to the `apilog.txt` file in the `$HOME/.config/cadence` directory. To log information other than API-specific issues, set `CDNSHELP_DEBUG` to `debug`. When this is set, the debug information is written to the `logger.txt` file in the `$HOME/.config/cadence` directory.

 You can change the location of the logs by setting the `CDNSHELP_HOME` environment variable

Accessing Cadence Help

This topic lists the cases when you are not able to open or view the desired content in Cadence Help.

Case 1: Cadence Help Does Not Launch

- If you are not able to open Cadence Help from tool, ensure that the installed doc folder has write permissions. You can follow these instructions:
 1. Try to launch Cadence Help from tool after deleting `.config` file.
 2. If the problem persists, check if there is any help process running in the background. If yes, kill the process and launch Cadence Help. Ensure to wait till indexing finishes.

Case 2: Path to Cadence Help Could Not be Found

You might not be able to access Cadence Help if the tool path has not been correctly provided to Cadence Help API while launching it from the tool. Specify the correct path to your tool or the Cadence Help in the `CDNSHELP_EXE_CUSTOM_PATH` ENV environment variable.

Case 3: Cadence Help Opens Up in Standalone Mode

If Cadence Help is unable to display help from the Cadence tools and opens up in standalone mode (where you see the default view of Cadence Help), you can follow these troubleshooting methods:

1. Check your process table and kill any running Cadence Help process, and launch Cadence Help.
2. If the problem persists, contact your IT team to check if communication ports on the machine you are accessing Cadence Help from has been blocked. After the ports are enabled, try to launch Cadence Help.

Case 4: Context-Specific Help Topic Is Not Loaded

If Cadence Help is unable to display context-specific help topic, you can follow these troubleshooting methods:

1. Check and make sure that you have read access to the documentation directory (`INST_DIR/doc`) and all the sub-directories. Once you enable it, try to launch help from the dialog box or tool interface where you got the error.
2. If Cadence Help also fails to show the topic from an online location (if your release supports

it), follow the steps mentioned in [Debugging Proxy Settings and Firewall Issues in Cadence Help](#).

3. If the problem persists, create the debug files (see [Debugging Cadence Help](#)) after running the steps where you faced the issue and send them to Cadence Customer support.

Case 5: Cadence Help is Unable to Display PDF from the Location

If Cadence Help is unable to display PDF files from the online location (if your release supports it), follow the steps mentioned in [Debugging Proxy Settings and Firewall Issues in Cadence Help](#).

Viewing Tool and Application Menu

To view the Topic toolbar and application menu correctly in Cadence Help, it is recommended to remove the Javascript-related code from the page because it resizes the Cadence Help window and might not display the toolbar in Cadence Help.

Modifying Configuration Settings in Cadence Help

Cadence Help stops responding after performing search when using CDNSHelp DocServer. This issue can be addressed by updating the automatic proxy configuration URL in Firefox.

Delay in Viewing Online Documents via CDNSHelp DocServer

When you are accessing documents from the CDNSHelp DocServer (using the Online search

option in Cadence Help), due to the enterprise proxy environment, Cadence Help might not be able to communicate with the document server. This results in delay in obtaining the search results and viewing the documents from the server. To fix this issue, refer to [Debugging Proxy Settings and Firewall Issues in Cadence Help](#).

If the above-mentioned solution does not resolve the issue, as a corrective measure, you can set the environment variable `CDNSHELP_OFFLINE`. This disables the network access and disables online search capability. It will, therefore, search the documents from local hierarchy.

Debugging Proxy Settings and Firewall Issues in Cadence Help

When Cadence Help fails to connect to network, try the following procedure to troubleshoot:

- Check your computer's network connection.
- If it is protected by a proxy or firewall, ensure that you are able to access Internet. Additionally, check if the proxy settings have been correctly specified in the Application Menu -> *Settings* -> *Network* tab.
- If your network does not use proxy, clear all the fields on the Network tab.
- If you are still not able to access Cadence Help, it could be possible that Cadence servers are not running. Try accessing after sometime.
- Report the issue if a specific page is not available through CDNSHelp DocServer.
- It could be due to firewall setting at your environment. Contact your IT team for assistance.

You can refer to [Configure the Proxy Settings for Cadence Help](#) here to know more details about how to set the proxy.

Topics not displayed in documentation browser

The documentation browser displays only those topics for which the corresponding XML files are available. Use the `cdnshelp -refresh` command to generate the XML files.

Viewing the Updated Content in Cadence Help

If you are not able to view the relevant content in the search results although it exists in the documentation hierarchy, the index could be outdated. Contact the system administrator to refresh the index.

Working with Tag Files

Applications that display help in Cadence Help use a .tgf file to identify which file to open depending on the Help button that is clicked. The .tgf file points to documents. You need to modify the .tgf file and your documents so you can point a Help button to your custom documents. Each line of a .tgf file lists the following:

```
tagname docpath linkname filetype [version]
```

- `tagname` is a string output by the Cadence application when the user clicks a particular *Help* button.
- `docpath` is the path to and the name of the file to open when the *Help* button is clicked.
- If the path begins with a forward slash (/), it is an absolute path.
- If the path begins with the dollar symbol (\$), Cadence Help looks for the document at the following locations sequentially:

```
install_dir/doc/name  
install_dir/local/doc/name  
$HOME/doc/name
```

Cadence Help looks for a matching `name/nameTOC.html` file with a specific HTML META value to make certain that the directory name includes a Cadence Help manual.

- If the path does not have a slash or dollar symbol, it is relative to the `doc/ manualdir` path containing this `.tgc` file.
- `linkname` is the text of the HTML `<A NAME>` anchor to which Cadence Help jumps. In HTML, the syntax of an `<A NAME>` anchor is as follows:
`text to be marked with anchor`
where `uniqueID` is any text string that identifies this part of the HTML.
- `filetype` gives the file format of the document. Valid file types:
HTML (for HTML files used by Cadence Help)
- `version` is an optional version string. This is only included if the same tag file is used when two forms for this application pass identical tagnames but different version strings.
For non-DFII products, the tag file usually begins with a DEFAULT line. If the requested filename is not found, the `DEFAULT` entry will be used.

A sample tag file:

```
DEFAULT myBookTOC.html NULL HTML
CreatePinForm chap1.html "createpin" HTML
CloseCell $dfref/chap3.html "closecell" HTML 4.6
User Guide $cdnshelp/cdnshelpTOC.html NULL MENU
```

- The first line lists a default document file (`myBookTOC.html`, a table of contents file) that is opened if the Cadence tool passes a string that is not listed in this tagfile. Its path is the same as the tag file's directory.
- If the application passes the tagname `CreatePinForm`, Cadence Help opens the file `chap1.html` in the tag file's directory, then jumps to the `<A NAME>` anchor with the string `createpin`.
- If the application passes the tagname `CloseCell` with version number `4.6`, Cadence Help opens the file `chap3.html` in the directory `~/doc/dfref`, or `local/doc/dfref`, or `doc/dfref` in that order. Cadence Help jumps to the `<A NAME>` anchor with the string `CloseCell`.
- If the application passes the tagname `User Guide`, Cadence Help opens the TOC file for itself, which lists all the documents so the user can pick one.



Ensure that the tag name and associated page does not contain '`.pdf`' extension because it is not supported in Cadence Help.

Determining whether your application has a tag file

Different families of Cadence applications have different methods for identifying their help tag file. For most applications, the help tag file is in the same directory as the document. To find the help tag file, look in the document's directory for a file named `manualname.tgf`.

For example, the tag file for the Library Manager document is

`doc/libManager/libManager.tgf`

For most (but not all) Design Framework II® applications, the help tag file will be named

`doc/helpAppID/helpAppID.tgf`

The `helpAppID` is usually different from the document directory name, and in most cases the `doc/helpAppID` directory contains only the help tag file. The document itself is in another directory.

How Cadence applications find tag files

A few Design Framework II applications and all other Cadence applications that use a tag file find it by doing the following:

The application searches for the document directory (or a subdirectory containing that directory) in your doc hierarchy, in the following order:

- `install_dir/doc`
- `install_dir/local/doc`
- `$HOME/doc or %userprofile%\doc (Windows)`

Most Design Framework II applications find their help tag file by doing the following:

1. The application determines which help application ID, and therefore which tag file, to search first.
2. The application searches for the `helpAppID/helpAppID.tgf` file in the following order:
 - `install_dir/doc`
 - `install_dir/local/doc`
 - `$HOME/doc or %userprofile%\doc(Windows)`

 Cadence help does not allow tag names having ".pdf" to support open pdf files functionality. Avoid using any extensions in the tag file names.

3. If there is a match, the appropriate document page is displayed. If there is no match, the application continues to the next help application ID in the list.

DFII applications can be either a sub-application of a schematic or layout editor tool; or they can be an editor tool; or they can be part of the software framework itself. DFII help searches for help tags beginning with the most specific possible tag file and moving towards the default tag file, dfii.tgf. The list of application IDs to search is generally:

- `sub_application.tgf` : Information specific to the application.
- `root_application.tgf` : Information that is general for all applications under the current schematic or layout editor.
- `dfii.tgf` : Information that is general to all DFII tools.

Modifying a document and tag file

If you change a pointer in a .tgf to jump to a different anchor in the modified Cadence document or to a file you added to the Cadence hierarchy, you must:

- Add or change HTML anchors in the help files
- Find the help symbol used by the form or window to locate help files
- Edit the .tgf pointer file that maps help symbols to HTML anchors

The next sections describe these steps.

Adding or changing HTML anchors

Cadence applications find a page in a help document by looking for an `<A NAME>` element, called "anchor", in the HTML file.

If you create a new help file, add a new section, or change a section and remove the existing `<A NAME>` element, you must place an `<A NAME>` anchor on each section that you want to open from a Help button.

You may use any HTML editing program, including a text editor such as vi, to edit the HTML file and add, change, or move anchor elements. The syntax of an anchor is:

`Text at beginning of section you want to jump to`
where `uniqueID` is any text string unique to this `NAME` element.

Finding the form or window help symbol

The .tgf files map application help symbols to specific help filenames. Clicking on a Help button in that application passes the help symbol to a program that uses the tgf to look up the appropriate help file.

For all non-DFII and a few DFII applications, there is no specific mechanism for determining what help symbol is used for a specific window or form. You may want to look through the tag file (.tgf) for the document used by that application to see which files are called. You may be able to tell, by looking at the section where an anchor is placed, which form or window jumps to that page. Then you can look for that document file and anchor name in the .tgf file.

If you have a DF II application, you may also use the following steps to determine what help symbols and .tgf files are used by a specific form or window.

1. Open the form or window whose help you want to customize.
2. Type the following in the Command Interpreter Window (CIW):
`helpDebug=t`
3. Click the form or window *Help* button.
4. You see a report similar to this:

```
hiHelp: help symbol = "WidgetEditor" Application ID = "cadenceTool"  
...hihelpLookupTag: appIDlist = (string) "cadenceTool" tagName = (string)  
"WidgetEditor" objType = (symbol) form objName = (symbol) helpSymbol quickHelpTag =  
(list) nil concatTagName = (list) nilSearching for help symbol...Calling  
hiiObShowTag, toolList = ("cadenceTool" "DFII"), tagName = "WidgetEditor" calling  
obShowTag with tool "icctranslator", tag "WidgetEditor" (version "") tag  
"WidgetEditor" found, document was displayed."hiiObShowTag call succeeded"
```

Note: If the output you see is different, your product does not use `hiHelp()` to access online help.

In this example, `WidgetEditor` is the form help symbol. The tag file you must edit in this example is `/install_dir/doc/cadenceTool/cadenceTool.tgf`. (The debug output in the CIW does not show the filename so you must deduce the name from the application ID.)

 If `helpDebug()` never finds the symbol, you can edit any one of the tag files it searched and add the missing help symbol.

Editing the .tgf file

After you have created any new help files or sections and added <A NAME> anchors to those pages, you must edit the .tgf with your changed anchor and/or filenames.

1. Make a copy of the original .tgf file in your local hierarchy.

For example: you edited a copy of doc/productA/chap1.html in your local/doc/productA directory. This product uses a .tgf file. You would copy:

```
cp doc/productA/productA.tgf local/doc/productA/productA.tgf
```

 For some DFII products, the .tgf file will not be in the document directory but rather in a separate directory matching the help application ID.

2. Use a text editor such as vi to edit your copy of the .tgf file to point to your changed files.

- If you moved the document to /local and you changed the document's directory name, change any pointers to the document's files to begin with \$cdsLocalDoc/newDocDir.
- If you moved the document to your \$HOME and you changed the document's directory name, change any pointers to the files to begin with \$cdsHomeDoc/newDocDir.
- If you modified the name of a file or the <A NAME> anchors in a file, change the entries in the .tgf to refer to the changed filename or anchor string. Look for the help symbol name you found as described in Finding the form or window help symbol, and change the filename and/or anchor text for that help symbol as appropriate.

Missing or invalid entries in the .tgf file

If the entry in the .tgf cannot be found or does not exist, Cadence Help will launch the manualname.xml file that it finds in the document directory. This will load the Documentation Browser of Cadence Help for that document.

 This will only occur if a DEFAULT tag is found in the .tgf file and it points to the manualname.xml file.

Opening custom help forms in Cadence Help

If you create your own SKILL GUI objects (forms and windows) to work with Cadence tools, you may want to include the related help documents in Cadence Help. You can do so by:

- Setting an application name and a help tagname for your window or form.

- Creating a local document directory, `install_dir/local/doc`.
- Creating your help document HTML file in the `local/doc` directory.
- Creating the tag file (`.tgf`) that maps your application name and your GUI object's tagname to the help document file in the `local/doc` directory.

The details are:

1. Set an application name and a tagname for your GUI object. These names are passed by your tool to Cadence Help, and used to look up the document to be opened.

Example1: Your SKILL code for a graphics window could include something like the following:

```
hiCreateWindow('default "graphics" "myApp" "myWindowTag")
```

In this example, `myApp` is your application name, and `myWindowTag` is the tagname for this window.

Example 2: Your SKILL code for a form could include something like the following:

```
hiCreateAppForm( ?help ' ("myApp" "myFormTag")
  ...)
```

In this example, `myApp` is your application name, and `myFormTag` is the tagname for this form.

2. Create an `install_dir/local/doc` directory to hold your document files, where `install_dir` is the directory where you installed Cadence software.

Cadence Help looks in `install_dir/local/doc` for document files before it goes on to the `install_dir/doc` directory where books from Cadence are installed.

3. Create your HTML documentation file(s) and save them in a directory in `local/doc`.

For example, you might create `local/doc/myDocument/myDocument.html`

Optional: If you want a Help button to open your HTML document at a specific spot, place an ` ` anchor in the HTML code at that spot.

 If your document resides in `local/doc`, you can also add tags to your HTML document so that it appears in the Documentation Browser.

4. Create a directory in `local/doc` that matches your tool application name.

To continue the previous examples, you would create the directory: `local/doc/myApp`.

5. In your `local/doc/application_name` directory, create an `application_name.tgf` file. This is a simple ASCII file.

To continue the previous examples, you would create the ASCII file:

```
local/doc/myApp/myApp.tgf.
```

6. In the `.tgc` file, include pointers that list each of your function tagnames and the path to the HTML file that you want to be opened when the user clicks Help.

Each line of a `.tgc` lists the following:

```
tagname path_to_document optional_anchorname filetype
```

Example 1: To link the previous example of a window function to the first page of your document, you would include this line in `myApp.tgc`:

```
myWindowTag $myDocument/myDocument.html "" HTML
```

The `$myDocument` entry tells Cadence Help to look in the standard document directories for a directory named `myDocument`.

The `""` indicates that there is no `` to jump to inside the `myDocument.html` file.

Example 2: To link the previous example of a form function to an anchor point named `` in your document, you would include this line in `myApp.tgc`:

```
myFormTag $myDocument/myDocument.html "myFormAnchor" HTML
```

Example 3: If you placed your documentation in a directory outside the Cadence hierarchy, then you must enter a full pathname to the directory, or a pathname relative to the `install_dir/doc` directory. If your document is located, for example, in `/usr1/customDocs/myDocument`, your `.tgc` entry might look like the following:

```
myFormTag /usr1/customDocs/myDocument/myDocument.html "myFormAnchor" HTML
```

⚠ The previous steps outline how you can create a document in `install_dir/local/doc`, readable by anyone using your Cadence installation. You can also create a document that can be viewed by you alone, in your `$HOME` directory (on UNIX) or `%userprofile%\doc` directory (on Windows), rather than in `local/doc`. The argument used to point to this directory in the `.tgc`, `$dirname`, is the same in either case.

Moving documents from UNIX to Windows

You can move the documents from UNIX to Windows in the following ways:

- By using the `export` and `import` features.
- By copying the `doc` directory from Cadence Help UNIX installation to Cadence Help Windows installation and then running the `cdnshelp -r` command to launch Cadence Help on Windows.

- By mapping the UNIX drive to Windows. After this you can view the documents using the [library](#) feature.

Opening Cadence Help in the Windows Operating System

To view the tool-related documentation in Windows, download the Cadence Help Windows version from download.cadence.com and copy/mount the *doc* folder from the Linux directory path to Windows.

Using Cascading Style Sheets

Cadence Help supports CSS. You can use CSS within the HTML files or link to external .css files.

The following table lists the CSS properties supported by Cadence Help:

background-color	<color>	Background color for elements
background-image	<uri>	Background image for elements
color	<color>	Text foreground color
font-family	<family name>	Font family name
font-size	[small medium large x-large xx-large] <size>pt <size>px	Font size relative to the document font, or specified in points or pixels
font-style	[normal italic oblique]	

font-weight	[normal bold 100 200 300 400 500 600 700 800 900]	Specifies the font weight used for text.
text-decoration	none [underline overline line-through]	Additional text effects
font	[[<font-style>] <font-weight>]? <font-size> <font-family>]	Font shorthand property
text-indent	<length>px	First line text indentation in pixels
white-space	normal pre nowrap pre-wrap	Declares how whitespace in HTML is handled.
margin-top	<length>px	Top paragraph margin in pixels
margin-bottom	<length>px	Bottom paragraph margin in pixels
margin-left	<length>px	Left paragraph margin in pixels
margin-right	<length>px	Right paragraph margin in pixels
vertical-alignment	baseline sub super	Vertical text alignment
background	[<background-color> <background-image>]	Background shorthand property
page-break-before	[auto always]	Make it possible to enforce a page break before the paragraph/table
page-break-after	[auto always]	Make it possible to enforce a page break after the paragraph/table

CSS Selectors Supported by Cadence Help

All CSS 2.1 selector classes are supported except pseudo-class selectors such as :first-child, :visited, and :hover.

Referencing CSS Within HTML

Although Cadence Help recognizes CSS markups in uppercase, when calling CSS markups within HTML, the class name needs to be in lowercase. The HTML element tag can be in uppercase, lowercase, or mixed case. For example, the following CSS definition

Appendix

This section lists the secondary tasks that can be accomplished using Cadence Help.

Starting Cadence Help

navigatio

To start Cadence Help from the command prompt, change directory to <installation_dir>/tools/bin, and then enter the command `./cdnshelp`

⚠ You can also double-click the <installation_dir>/tools/bin/cdnshelp.exe file to open Cadence Help in Windows.

To start Cadence Help from a Cadence application, either press `F1` or click the *Help* button.

⚠ The `F1` launch of Cadence Help depends on the Cadence application you are working with.

i You may notice a disabled navigation pane in Cadence Help after a fresh installation. It happens due to background processes running for creating the document hierarchy.

For more advanced options, refer [Command Line Switches](#).

To start Cadence Help for a specific product in a Cadence tool, run the command `cdnshelp -tool <><product_name>>`.

⚠ For a valid product name, Cadence Help launches with the library pane expanded only for that product. While, for an invalid product name, Cadence Help launches with full library pane.

Cadence Help Search Mechanism

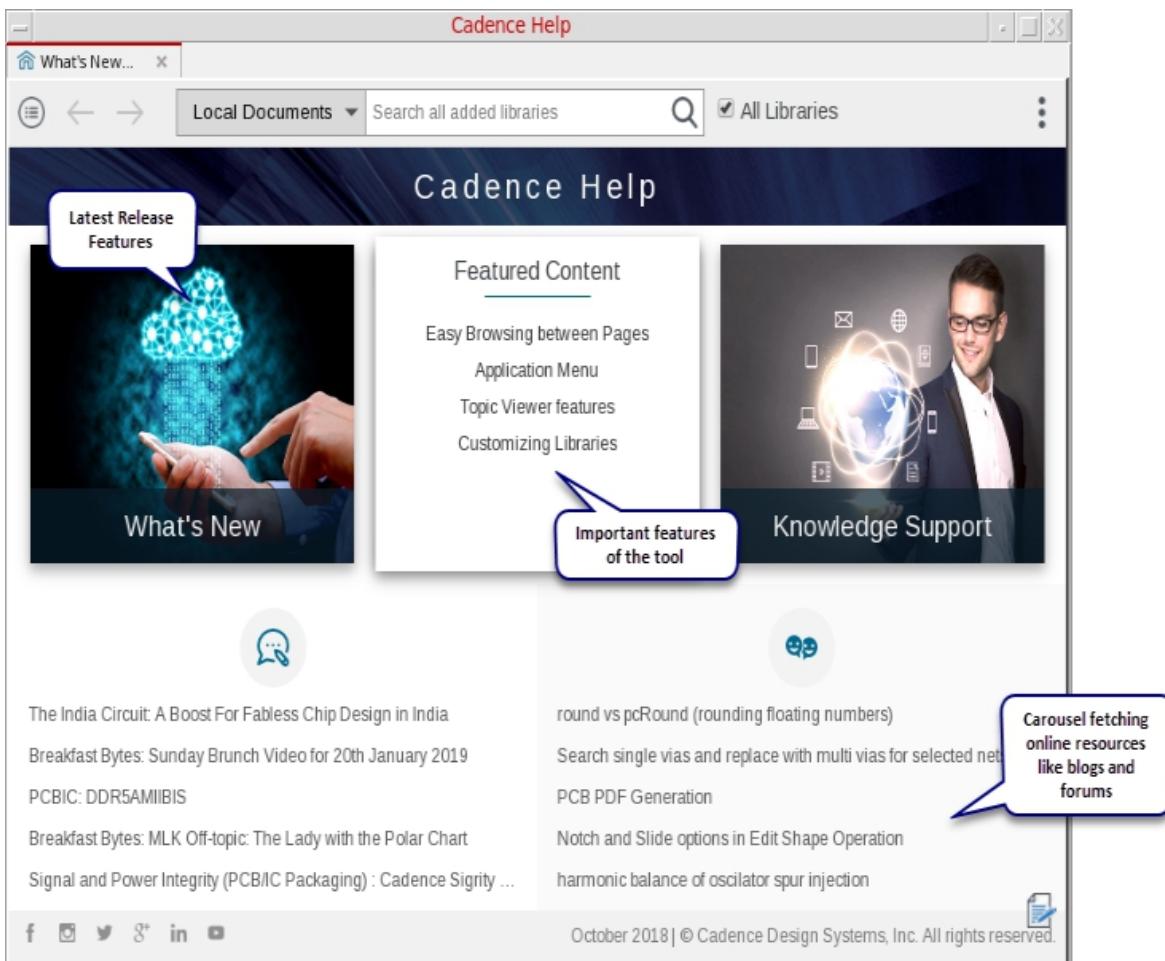
Cadence Help searches for the context-sensitive help documentation at the following locations in the given order:

1. Installation path/doc

2. Installation path/local/doc
3. /home/<User id>/doc
4. All the libraries added available on the hamburger menu – *Settings – Library* tab
5. Cadence Setup Search File (CSF) can also be used if the given tool supports the mechanism.

Cadence Help Welcome Page

Cadence Help Welcome page is displayed whenever Cadence Help is launched in the standalone mode. It includes links to the content and videos of the latest and core features. It enables you to know about the latest updates in the tool. This page can also be accessed by clicking home () icon on the Topic Viewer toolbar. The page also includes an alert carousel. It displays the community content on the different tabs.



Cadence Help Shortcuts

To Do This	Press
Open Help	F1
Open Settings	Ctrl+K
Select Multiple Topics	Shift+Click
Open in New Window	Shift+Double-Click
Open Current Topic in New Window	Ctrl+N

Bookmark this Page	Ctrl+D
Print	Ctrl+P
Close A Topic	Ctrl+Shift+W
Exit Cadence Help	Ctrl+Q
Manage Bookmarks	Ctrl+Shift+B
Find	Ctrl+F
Copy Selected Text	Ctrl+C
Copy Current Location	Ctrl+Shift+C
Next Page	Ctrl+Page Down
Previous Page	Ctrl+Page Up
Show History	Ctrl+H
Clear History	Ctrl+Del

Importing Documents

To import a document to Cadence Help:

1. Click *More Tools – Import*. The *Import data File* window appears.
2. Select the document to be imported and then, click *Open*.

 The document to be imported should be in a format compatible with Cadence Help. Therefore, you can import only those documents that were previously exported from Cadence Help.

3. A pop-up message appears, specifying the location where the document is saved. The pop-up message also provides you the option of changing the default location where the document will be visible in Cadence Help. Press *Yes* to change the location of the *Personal Docset* folder or *No* to

retain the same location.

4. The *Configure Cadence Help* window appears. Click *Go*, and then, click *Ok* to continue.
5. The newly imported document is visible in the *Library* pane, under the *Personal Docset* folder.

Exporting Documents

To export a document from Cadence Help:

1. Select the document to be exported from the *Library* pane.

 You can select multiple documents from the same/multiple libraries.

2. Click *More Tools – Export* from the hamburger menu. The *Export Selected Items* window appears.

3. Browse the location where you want to save the document and then, click *Save*.

 The document is exported in a Cadence Help readable format.

Indexing

In case you have added new content to an existing html page, Cadence Help automatically updates the index in the next invocation of Cadence Help. In case you have added new books or HTML files, the library files are regenerated using the `cdnshelp -refresh` command. This also recreates the search index.

To know more about how to add a new PDF or HTML to Cadence Help, refer to [Adding PDF](#) or [Adding Custom HTML Documents](#).

If you don't have permission to edit the `INSTALL` directory, then the only index can be created at `~/.config/cadence`. You can enable this by setting the `CDNSHELP_HOME_AUTOINDEX` environment variable.

When you search through a release that does have the latest index file, following error message is displayed while searching:

"The topic search for the release <relName> cannot be completed because the search index is out-

of-date. To generate the search index, click here. It will take some time to generate new index."

The notification provides you an option to refresh the search index. Click *here* in the message to update the index.

Configuring Documents

If you have added Cadence Help compatible documentation in your `$HOME/doc` directory, Cadence Help automatically detects the documentation upon launch, and prompts you to configure and add it to the Cadence Help documentation browser.

You can click *More Tools – Configure Home Documents* in the hamburger menu to add the new documentation in your `$HOME` to Cadence Help.

The screenshot shows the Cadence Help application window. In the top right corner, there is a context menu with several options: Settings ..., Notifications, Bookmarks, History, Zoom (with 100% selected), Find, More Tools (highlighted with a blue box), Help, Application Feedback ..., Close Other Tabs (with keyboard shortcut Ctrl+Shift+W), and Exit (with keyboard shortcut Ctrl+Q). Below the menu, the 'Notifications' section is visible, which typically displays recent activity or updates.

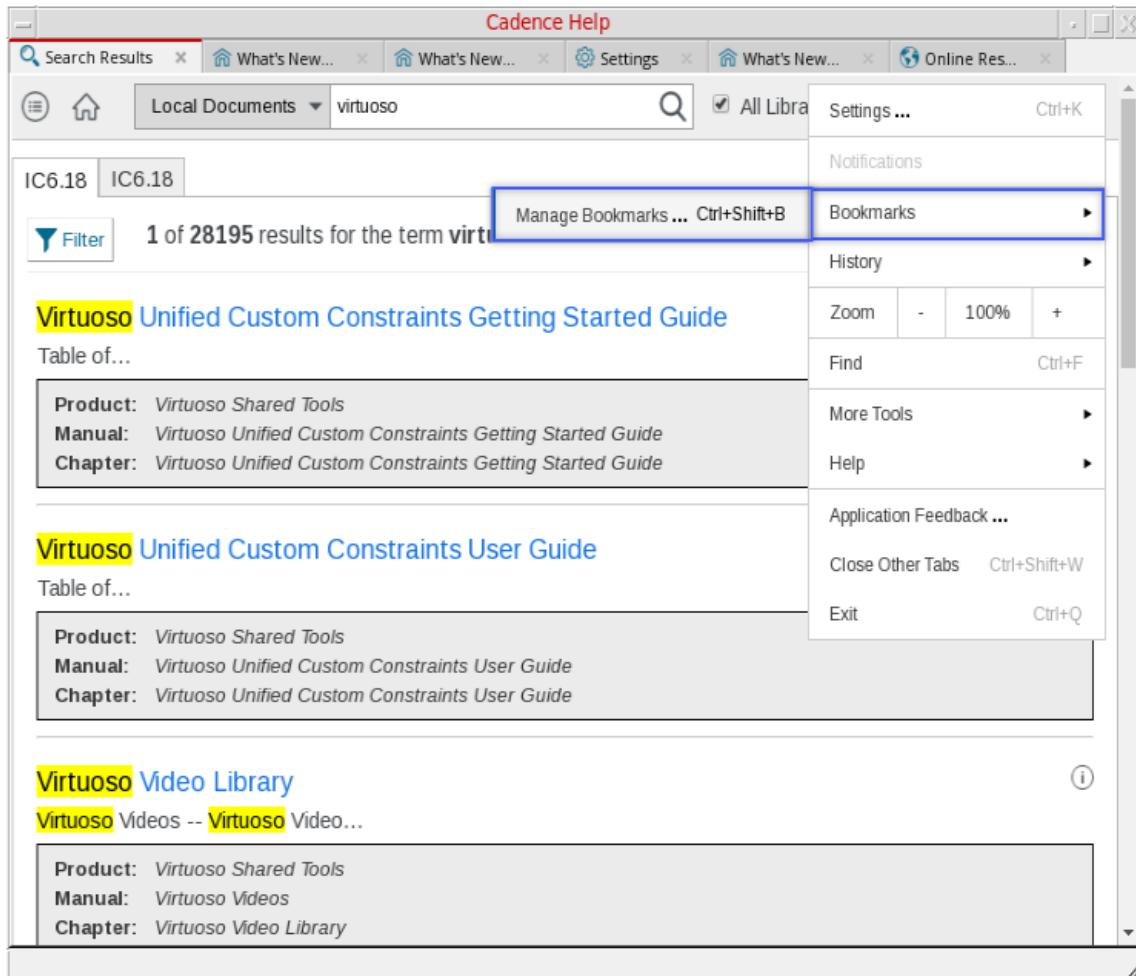
The Notifications, after appearing on the home page, can be seen in the *Notifications* table.

The screenshot shows the Cadence Help application window with the 'Notification Manager' tab selected. A notification for 'ConfigureHomeDoc (CDNSHLP-077)' is listed in the table. The notification details are: 'Background process is in progress for the library located at '/home/pratyaga/doc''. The status is 'Progress' and there is a trash icon for deletion. A red circle with the number '1' is circled around the notifications icon in the top right corner of the interface.

Title	Description	Status	Action
ConfigureHomeDoc (CDNSHLP-077)	Background process is in progress for the library located at '/home/pratyaga/doc'	Progress	

Managing Bookmarks

Click *Bookmarks* in the hamburger menu to add the displayed topic to favorites or to organize your favorites in a specific folder. You can manage all the bookmarked pages by clicking *Bookmarks* — *Manage Bookmarks*.



Manage Bookmarks

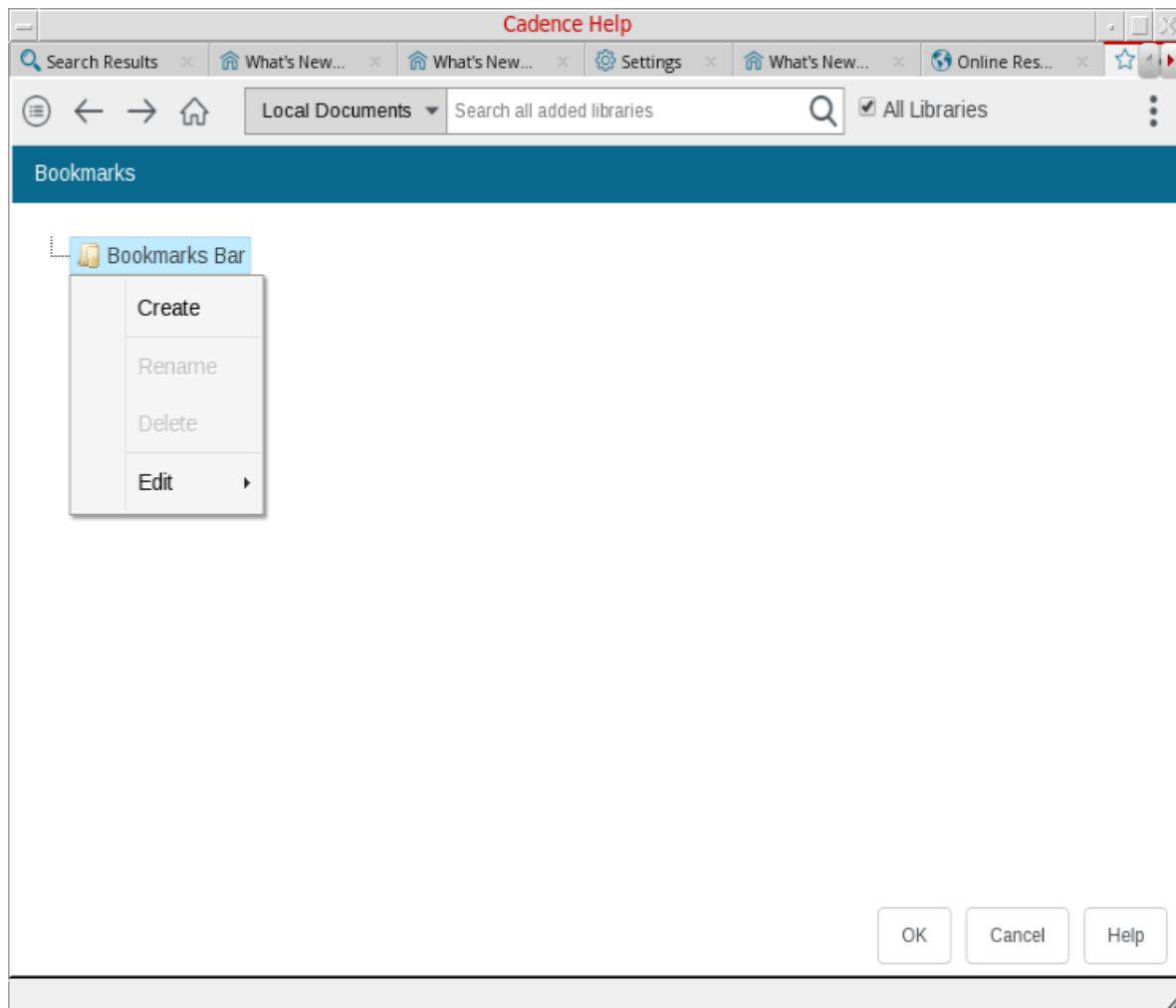
You can use the *Manage Bookmarks* option to:

- Rename a topic
- Reorder a topic through drag and drop
- Delete a topic

- Create new folders or subfolders to sort favorites

The following actions can be performed on the Parent or default node, *Bookmarks Bar*:

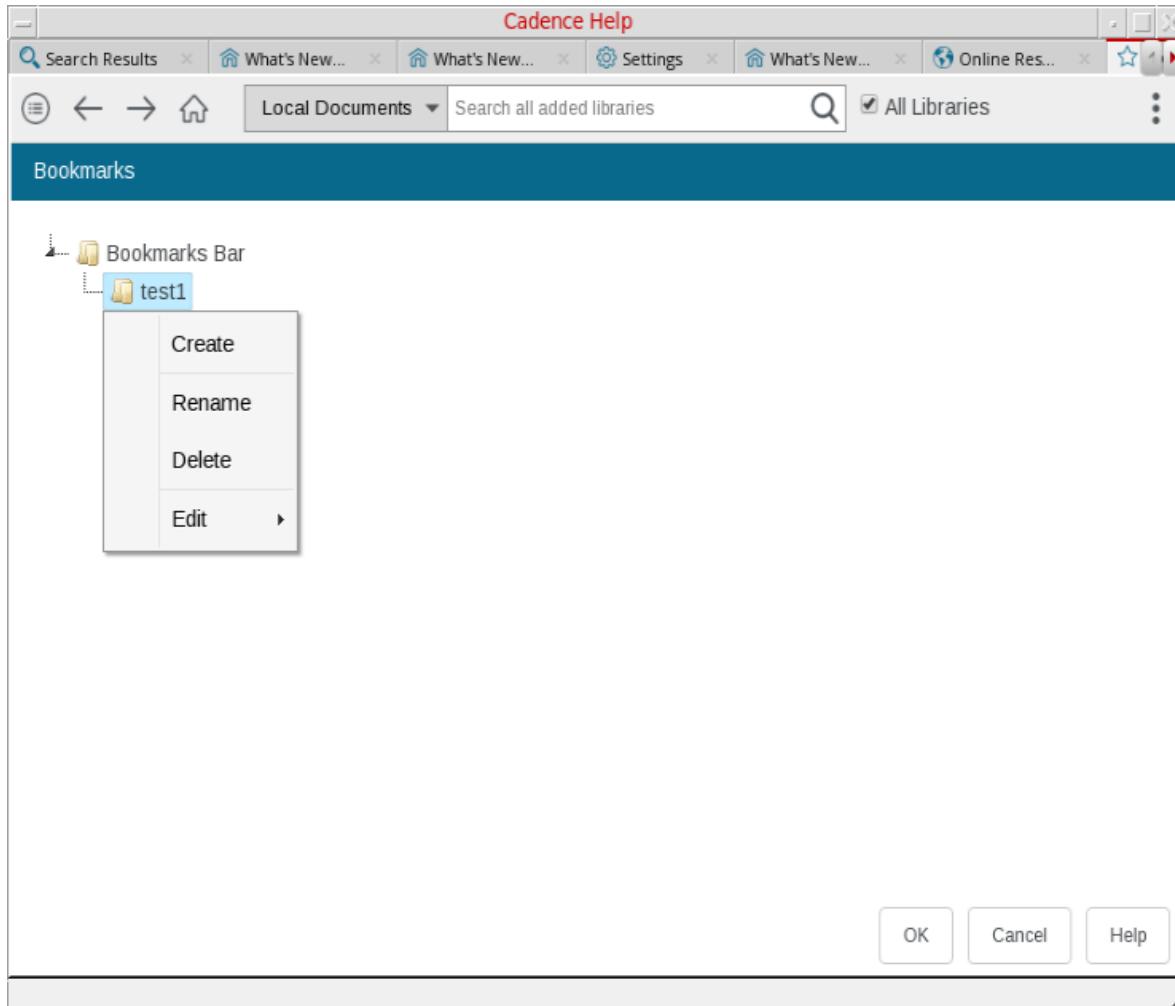
Create	Creates a new node or folder under default node, <i>Bookmarks Bar</i> , to save the bookmarks under specific nodes. The name of the new node can be set at the same time.
Edit	Edits an existing node. You can move it under specific parent node with the help of actions <i>Cut</i> and <i>Paste</i> .



Additional actions that can be performed on the child nodes are the following:

Rename	Renames an existing child node or folder.
---------------	---

Delete	Deletes an existing child node or folder.
---------------	---

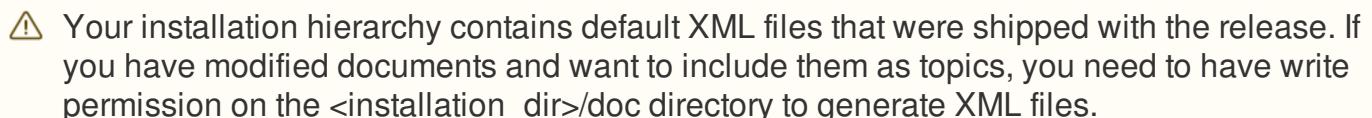


Generating XML Files

In Cadence Help, the doc hierarchy is organized through XML files, also known as Topic Organizer files. These files contain elements that define products, manuals, and topics. An XML file may refer further XML files that organize content at lower levels in the hierarchy. In a particular Cadence installation, Cadence Help defines a top-level XML file called a Library, which provides the content

organization for all the documentation installed at that location. This library file is named `library.lbr` and is located in the `<installation_dir>/doc/xmlreg` directory and also in a platform specific sub-directory, `<installation_dir>/doc/xmlreg/<platform name>` where `<platform name>` can be `lnx86`, `win32`, and so on.

When you launch Cadence Help, it also reads in the topics by going into each book directory in the `/doc` directory. These XML files are shipped with your product release. Cadence Help generates the XML files when run with the `-refresh` option.

 Your installation hierarchy contains default XML files that were shipped with the release. If you have modified documents and want to include them as topics, you need to have write permission on the `<installation_dir>/doc` directory to generate XML files.

To regenerate XML files, use the `-refresh` option:

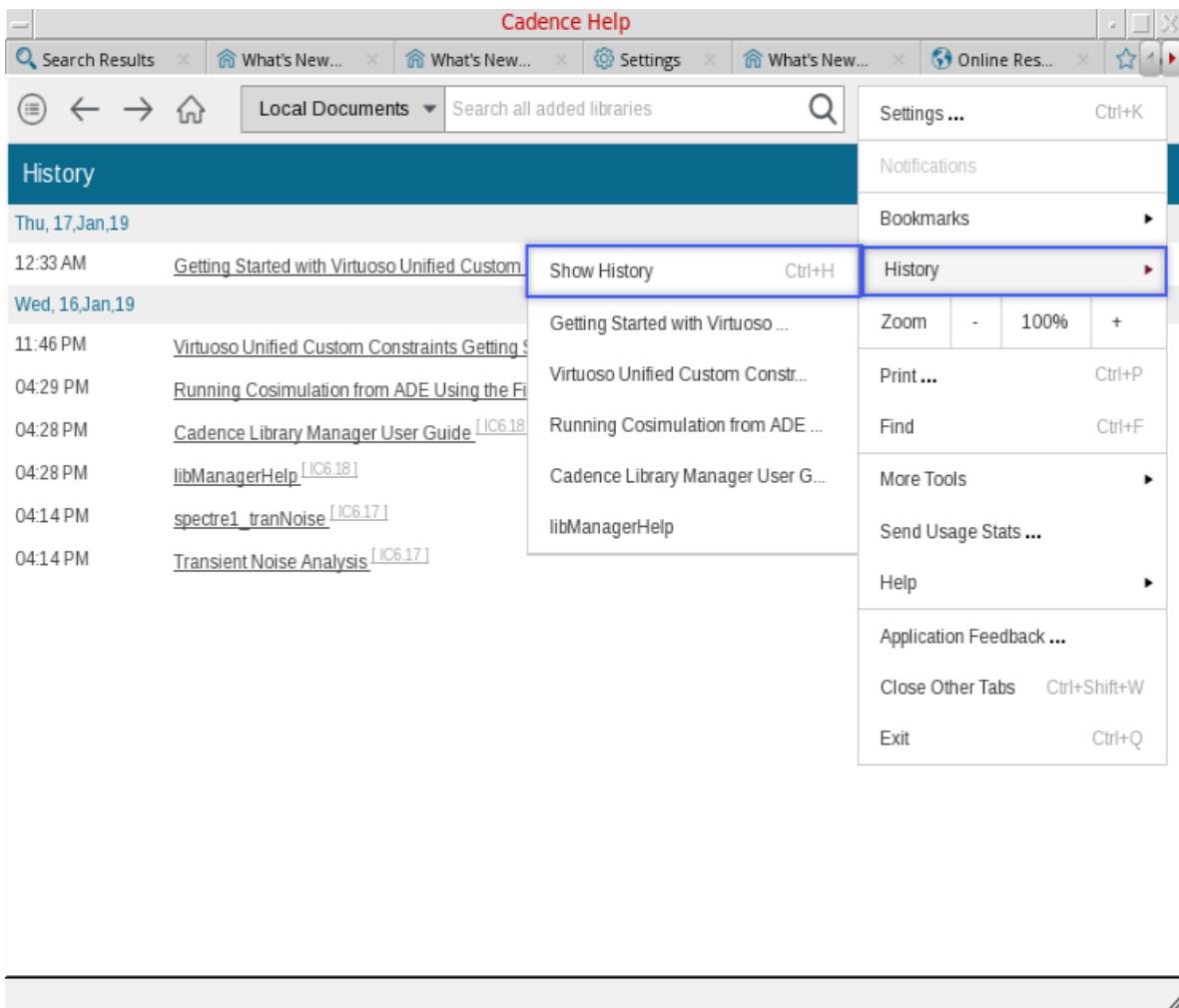
```
./cdnshelp -refresh
```

You must then relaunch Cadence Help and use `<installation_dir>/doc` as the document set to view the documents from all hierarchy locations supported by Cadence Help.

 The `-refresh` option regenerates the XML files as well as refreshes the index.

Show History

You can click *History – Show History* from the hamburger menu to view your Cadence Help browsing history. The browsing history opens as a separate tab in the Topic Viewer. Click *Clear History* on the page to delete your browsing history.



Command-Line Switches

The following table lists the command-line switches for Cadence Help:

Task	Command-line Switch
Start Cadence Help, setting the documentation path to <path>	-hierarchy <path1:path2:pathn>
Start Cadence Help, rebuilding the topic organizer files as well as refreshing the search index	-refresh

Start Cadence Help on the page specified by <i>toolname</i> and <i>tagname</i>	-openpage <toolname>: <tagname>
Opens the help page specified by <i>toolname</i> and <i>filename</i>	-openpage <toolname>: <filename>
Launch the Cadence Help GUI on screen number <i>n</i> of machine <i>host</i>	-display
Show the current version of Cadence Help	-version
Searches the given text	-search
List the command-line switches and their description	-help
Launches the Cadence Help GUI with the documentation of the Cadence tool	-tool

Cadence Help Known Problems and Solutions

CCR 2118592: Cadence Help should be able to show PDF documents on Cadence Support

Description: If the search result in Cadence Help opens a Cadence Support link containing a PDF file, it shows up a blank window. This is because Cadence Support is unable to render PDF files.

Solution: You can choose to open such Support Portal pages from Cadence Help search results in an external web browser. To set the browser, go to *Settings* → *General* and select *Open Weblinks in browser*. It sets your default web browser to open a page containing PDF file. After this setting, click the search result again.

CCR 2038001: Cadence Help sometimes exits unexpectedly due to Qt Network calls in SLES environment

Description: Cadence Help launches on SLES 11 environment with new cdsQt64b_5_9_37.18-s005Inx86.t.Z kits, but sometimes it exits unexpectedly.

Solution: Use command `setenv CDNSHELP_OFFLINE` and launch Cadence Help again.

CCR 2037982: The Cadence Help window size decreases on clicking the Hide/Show Library button

Description: The window size of Cadence Help keeps decreasing with every click on Hide/Show

Library button, or Organize by Document and Product type filters.

Solution: Readjust the window size manually.

CCR 1989146: Cadence Help exits unexpectedly when regression scripts run on a specific machine

Description: When regression scripts run on a specific machine, Cadence Help exits unexpectedly. This issue has been found in QT core content rendering engine, which means, QT is not able to render content in regression script environment on that specific machine.

Solution: Remove the corner case tests from the regression script on the specified machine.

CCR 1970835: Cadence Help exits unexpectedly in case of insufficient space in the user home directory

Description: While fetching content from online resources like COS and CDNSHelp Doc server, the Cadence Help application may exit unexpectedly. Although, it allows user login and fetches the search results, it has been observed that it may exit while opening any hyperlink. This happens due to insufficient space in the respective user home directory.

Solution: Clear some space in your home directory and re-launch Cadence Help to search from online resources.

CCR 1269977: Cadence Help should appear in foreground when a user clicks any Help button

Description: Cadence Help should always open in the foreground when accessed through any Help form or button.

Solution: Look for the Cadence Help instance opened behind the Cadence tool or other open windows, and bring it forward.

CCR 1925037: Cadence Help does not render large HTML pages (73k lines or more)

Description: After QT 5.8. Web Engine porting, the Cadence Help web engine does not render large HTML files containing more than 73k lines.

Solution: Introduce topic-tagging to divide the chapters into separate HTML pages.

CCR 1833969: QIODevice Error generated on Cadence Help startup

Description: On startup Cadence Help generates the following error message:

QIODevice::write (QBuffer): device not open

Solution: The issue is being investigated.

CCR 1315476: Provide native video playback support for swf [flash] files on Linux

Description: The native video playback support for swf [flash] files on Linux is missing.

Solution: Add glib on Linux machine. For more details, refer to the Adobe release note: <http://helpx.adobe.com/flash-player/release-note/readme-flash-player-linux.html>

CCR 1638319: ‘Go to Top’ icon is missing in the TOC pages if opened from CDNSHelp Doc Server

Description: The new ‘Go to Top’ icon is missing in the TOC pages if docs are opened from ‘Cadence Help Backend Server’. This issue occurs only when Cadence Help is accessed through a mapped drive.

Solution: The workaround is to navigate manually, to the top of the page.

CCR 1639735: Inconsistency found in display

while viewing videos and GUI updates in Cadence Help

Description: Inconsistencies are observed while viewing videos, glossary boxes, and text fonts renditions through different versions of VNC applications.

Solution: Use latest version of RealVNC, or use some other some high performance VNCs, such as tigervnc.

CCR 1639117: Glossary definition box appears with transparent background in some VNC sessions

Description: In some VNC sessions, the glossary definition box has a transparent background. As a result, the glossary text appears to overlap the core content below it and this makes both the text unreadable. Please refer to the image uploaded as a test case to this CCR.

Solution: Use latest version of RealVNC, or use some other some high performance VNCs, such as tigervnc.

CCR 1552145: Issue with Cadence Help on RHEL6

Description: The ActivePerl library is not found while launching Cadence Help on RHEL6.

Solution: The issue is being investigated.