
CDSDoc User Guide

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CDSDoc User Guide

Preface

This manual is written for any Cadence user who uses the online documentation system, CDSDoc. It covers the following topics:

<u>Chapter 1, “Quick Help for Cadence Documents.”</u>	An overview of the basic features of CDSDoc.
<u>Chapter 2, “Online Training for CDSDoc.”</u>	Links to online training videos for CDSDoc.
<u>Chapter 3, “Opening Libraries and Documents.”</u>	How to use the CDSDoc Library window to open libraries and individual manuals.
<u>Chapter 4, “Printing Documents.”</u>	How to print the PDF files provided for each manual.
<u>Chapter 5, “Searching Cadence Documents.”</u>	How to search all documents or only particular documents. Search tips and syntax.
<u>Chapter 6, “Setting CDSDoc User Preferences.”</u>	How to control the location and size of the Library window, the number of browser windows, and the port address prepended to all document URLs.
<u>Chapter 7, “Troubleshooting Cadence Documents.”</u>	Answers to common questions about using Cadence documentation.

In addition to this manual you can read these books for more information about CDSDoc:

- *CDSDoc Configuration Guide*: Requirements to run the system, how to set up browsers, and how to add your own documents to CDSDoc.
- *CDSDoc: What’s New in 2.1*: An introduction to this version of CDSDoc and its features.
- *CDSDoc Known Problems and Solutions*: Answers to reported problems and bugs in CDSDoc.

CSDoc User Guide
Preface

Quick Help for Cadence Documents

This is the first chapter of the User Guide for CDSDoc, the Cadence online documentation system. It gives a quick overview of the basic features of the system. Additional chapters describe these features in more detail.

The following sections cover:

- [Overview of CDSDoc](#) on page 9
- [Opening Documents \(Quick Reference\)](#) on page 11
- [Using the Command Bar](#) on page 11
- [Printing Documents \(Quick Reference\)](#) on page 12
- [Searching Documents \(Quick Reference\)](#) on page 12

You can also read online tutorials about CDSDoc, as described in [Chapter 2, "Online Training for CDSDoc."](#)

Overview of CDSDoc

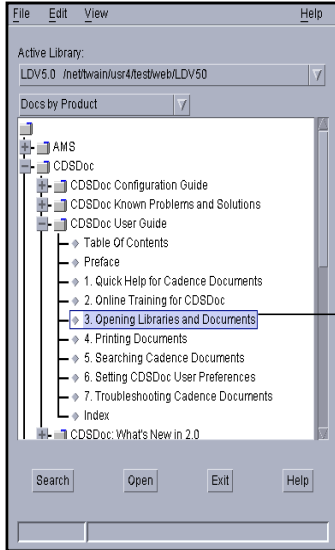
CDSDoc consists of the following:

- The Library window, a java application that you use to open Cadence product manuals.
- HTML documents that appear in your web browser.
- A local http server that controls a full-text Search engine.
- Portable Document Format (PDF) documents you can use to print a book or chapter.

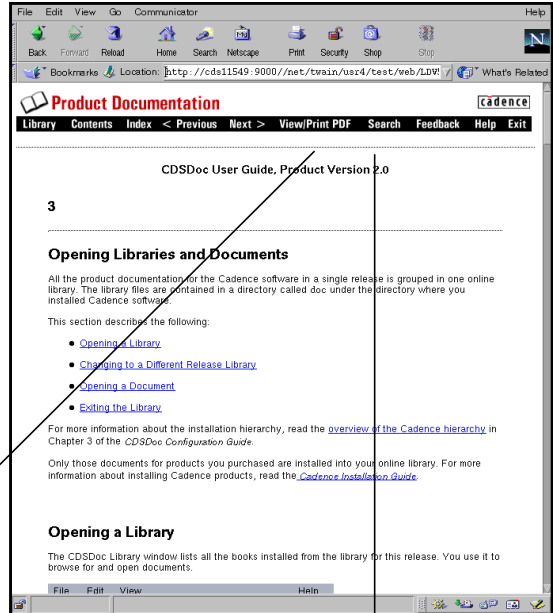
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Quick Help for Cadence Documents

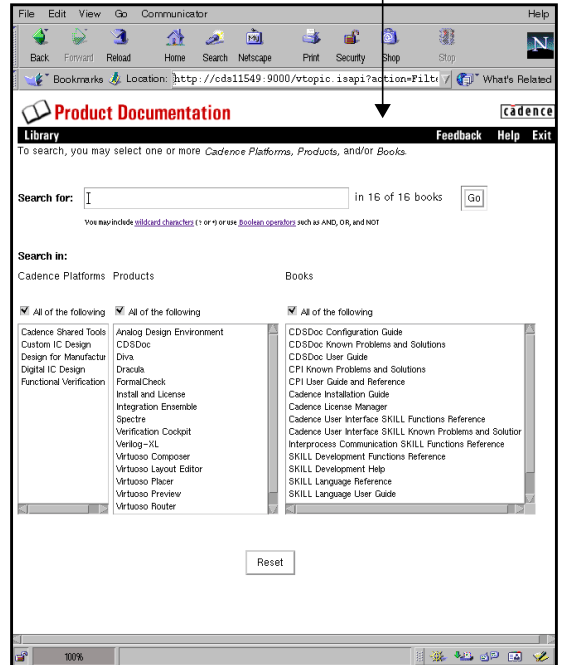
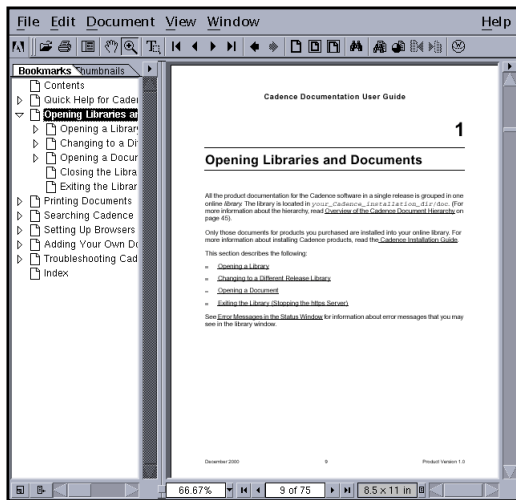
Library window for opening books.



A chapter of a manual. Use the command bar at top to navigate through the chapters.



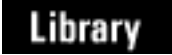
PDF file for printing books.

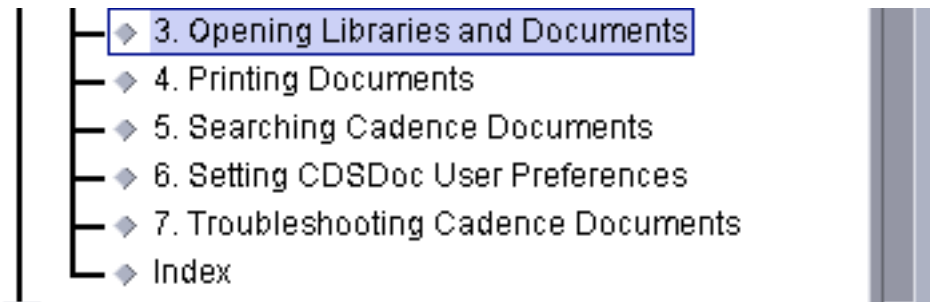


Search window.

Opening Documents (Quick Reference)

Use the CDSDoc Library window to open documents. The window lists documents by Product name, Cadence Platform name, or alphabetically by title.








1. If the CDSDoc Library window is not displayed, open it by clicking the  button at the top of a document.
2. In the CDSDoc Library window, click on a category name to show the documents in that category.
3. Click on a manual title to show its chapters.
4. Double-click a chapter title to load that chapter into your web browser.



See [Chapter 3, “Opening Libraries and Documents,”](#) for more details.

Using the Command Bar

The **command bar** at the top or bottom of any document lets you do any of the following.

	Display the CDSDoc Library window listing all documents in this release. See Chapter 3, “Opening Libraries and Documents,” for details.
	Jump to the table of contents for this document.
	Open the Index of topics for this document.
	Jump to the previous chapter of this document.
	Jump to the next chapter of this document.
	Open a PDF version of the document you can print. See Chapter 4, “Printing Documents,” for details.
	Search this or any document in the Cadence library. See Chapter 5, “Searching Cadence Documents,” for details.

Feedback

Send an e-mail with comments to Cadence about this document. See [Sending Comments to Cadence](#) on page 54 for details.

Help

Display this help file.

Exit

Close the http server used for searching Cadence documents and exit the CDSDoc Library window. See [Exiting the Library](#) on page 25 for details.

Printing Documents (Quick Reference)

To print a document, you open a PDF (Portable Document Format) version of the entire book in Adobe Acrobat, then choose the pages you want to print.

1. Click the **View/Print PDF** button in the command bar at the top or bottom of a Cadence document.

A PDF version of the document appears in an Acrobat Reader window.

2. Choose *File – Print* in the Acrobat Reader window to display the Print form.

You can choose to print all of a manual, or only selected pages. See [Chapter 4, “Printing Documents,”](#) for more details.

Searching Documents (Quick Reference)

Click the *Search* button at the top of any Cadence document to search this or other books in the Cadence library.

1. Use the scrolling lists at the top of the Search window to choose:

- The Cadence product Platform(s) you want to search.
- The Cadence Product(s) you want to search.
- The document(s) you want to search.

Hint: Narrowing the search to a Platform or to one or two specific Products reduces the number of documents listed and makes it easier to pick one or two books.

2. Type the string of text you want to look for and click *GO*.

- You can use AND, OR, or NOT to perform Boolean searches: `printer AND hp`
- To match an exact phrase, enclose it in quotes: `"change layer colors"`

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Quick Help for Cadence Documents

- To search for part of a string, use wildcard characters to match the rest of the string:
`dbCreate*`

3. Search displays a list of chapters that match your string. Click on a chapter title to open that chapter.
4. Inside the chapter, you can click the *Jump to the first match* text at the top of the page to jump to the first matching word, and use the arrow buttons to jump to next or previous matches.

See [Chapter 5, "Searching Cadence Documents,"](#) for details.

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Quick Help for Cadence Documents

Online Training for CDSDoc

You can view the following online video training modules to learn about CDSDoc:



Video

[Lab 1: Starting the Online Documentation](#)



Video

[Lab 2: Opening Documents](#)



Video

[Lab 3: Using the Command Bar](#)



Video

[Lab 4: Searching Documents](#)



Video

[Lab 5: Controlling the Search](#)



Video

[Lab 6: Printing Documents](#)



Video

[Lab 7: Viewing Documents from Multiple Releases](#)



Video

[Lab 8: Troubleshooting Problems with CDSDoc](#)



Video

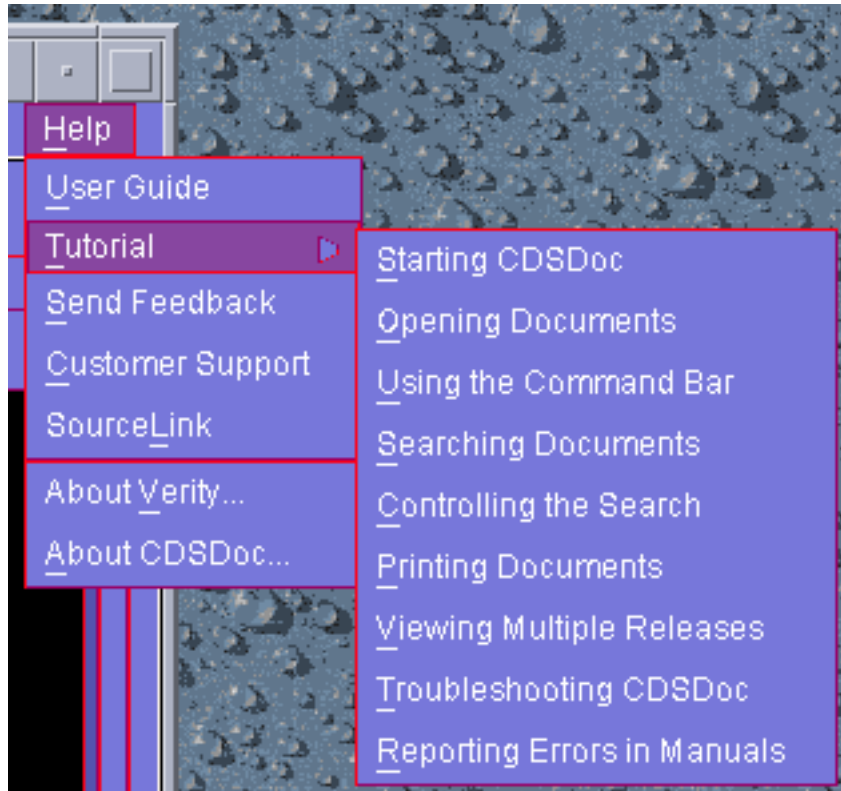
[Lab 9: Reporting Problems or Errors in Manuals](#)

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Online Training for CDSDoc

To view any of these videos, you must have installed appropriate software for your web browser. See the *CDSDoc Configuration Guide*, "[Setting Your Browser to Start Videos](#)," for more information.

You may also view the training modules by choosing *Help – Tutorial* in the CDSDoc Library window, then selecting an appropriate video title from the list.



These training modules are also available from the Cadence public website at <http://www.cadence.com/education/cdsdoc.html>. You can also download a PDF version of the training modules from the same site, at http://www.cadence.com/education/edu_pdf/Cdsdoc_User.pdf.

Opening Libraries and Documents

All the product documentation for the Cadence software in a single release is grouped in one online library. The library files are contained in a directory called `doc` under the directory where you installed Cadence software.

This section describes the following:

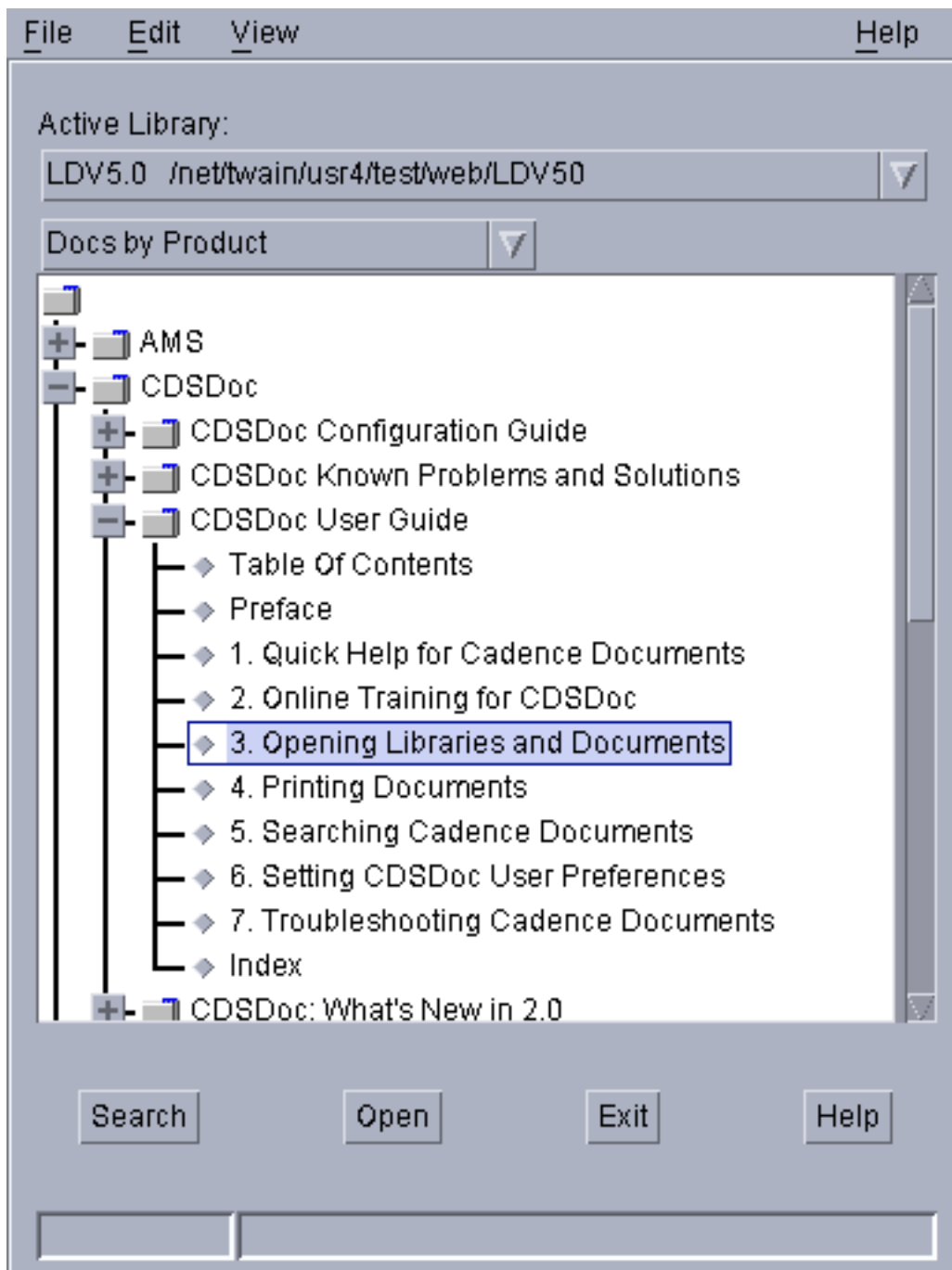
- [Opening a Library](#) on page 18
- [Changing to a Different Release Library](#) on page 20
- [Opening a Document](#) on page 21
- [Exiting the Library](#) on page 25

For more information about the installation hierarchy, read the [overview of the Cadence hierarchy](#) in Chapter 3 of the *CDSDoc Configuration Guide*.

Only those documents for products you purchased are installed into your online library. For more information about installing Cadence products, read the [Cadence Installation Guide](#).

Opening a Library

The CDSDoc Library window lists all the books installed from the library for this release. You use it to browse for and open documents.



CDSDoc Library window

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Opening Libraries and Documents

You most likely opened the Library window using one of the methods listed below. If you close the window at some point while using Cadence documents, you can reopen it using any of these methods.

You can [view a video about starting the documentation system](#).

Opening a library from your operating system

You can open a library from a command window in UNIX or Windows.

1. Open a shell window (UNIX) or a command prompt window (Windows).
2. Change to the directory containing your Cadence software.
3. Change to `tools/bin` (UNIX) or `tools\bin` (Windows).
4. Type: `cdsdoc`

The [Library window](#) appears.

If you prefer using your windowing system, do the following:

1. In a UNIX windowing system (e.g. CDE) or in Windows, navigate to your Cadence `tools/bin` (or `tools\bin`) directory.
2. Double-click the `cdsdoc` executable (on Windows, called `cdsdoc.exe`).


The [Library window](#) appears.

Opening a library from a Help button

Many Cadence applications display pages from the online library when you click a *Help* button.


1. Click *Help* in any window in the application.

The document page is loaded into your Internet browser (Netscape or Internet Explorer).

2. Click on the  button at the top or bottom of the document page.

The [Library window](#) appears.

Opening a library from the Library button

Scroll to the top or bottom of any open document and click on the  button to open the [Library window](#).

Other ways to start CDSDoc

Cadence applications offer other ways to start the online documentation. Not all applications use all methods listed below.

- **Help pull-down menu:** Many applications include a Cadence Documentation or CDSDoc Library command in pull-down menus. Some include commands that open the specific user manuals for that product.
- **Context-sensitive help:** Besides starting documentation by clicking on Help in dialog boxes and forms (as described in [To open a library from a Help button](#) on page 19), some applications have *Help - On Context* commands that let you click on application interface items such as components in a schematic to open the portion of the documentation about that item.
- **BuildGates command option:** You may include a special `-cdsdocd` option when you start a Cadence BuildGates tool. Then you can type `help command_name` within the Ambit user interface or at the command line to open a document in your web browser.

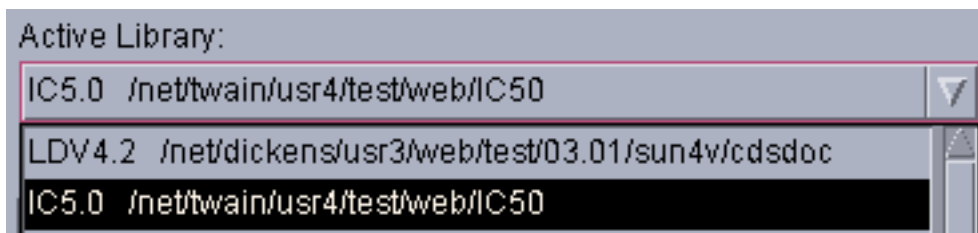
Changing to a Different Release Library

Each Cadence release has a different documentation library. The CDSDoc Library window shows all the Cadence libraries you have used. You can jump to any installation hierarchy you have previously viewed and open those manuals.

You can [view a video about viewing documents from multiple releases](#).

Changing to a Release You Have Previously Viewed

1. In the Library window, click on the *Active Library* pull-down.



2. Choose the directory of the release you want to open.

The documents for that release appear in the list.

Changing to a Release You Have Not Viewed Before

The list shown in the *Active Library* pull-down includes all Cadence documentation from releases you have previously viewed.

The list comes from either:

- A text file named `~/ .cdsdoc /cdsdoc .ini` (on UNIX)
- A text file named `C:\ .cdsdoc \cdsdoc .ini` (on Windows)
- A variable you set, `CDSDOC_PROJECT`.

The list of available releases is updated each time you start CDSDoc from a particular release hierarchy to include the paths of each installed Cadence release.

If you have recently installed a new Cadence release, then to view documentation from that release for the first time you must do one of the following:

- Open the documentation directly from that new release by clicking Help or typing `cdsdoc`.
- Add that release to a list of hierarchies as discussed in [Creating a Default List of Cadence Hierarchies](#) section of Chapter 3 in the *CDSDoc Configuration Guide*.

After you have opened the library once, its name and path will appear in the Active Library list.

Setting Default Hierarchies to View

You may want to set a default list of Cadence hierarchies to use. To do so, you set the `CDSDOC_PROJECT` variable to point to an ASCII file listing the hierarchies you want to use. Read the [Creating a Default List of Cadence Hierarchies](#) section of Chapter 3 in the *CDSDoc Configuration Guide* for complete instructions.

Opening a Document

To open a document, do the following in the [Library window](#):

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Opening Libraries and Documents

1. Choose the category of documents you want to see.

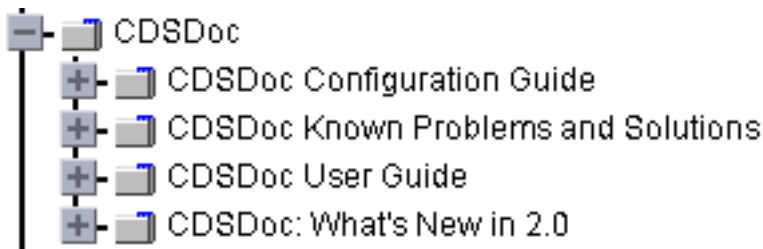


Docs by Cadence Platform - Lists each Cadence design platform you installed, with related books underneath.

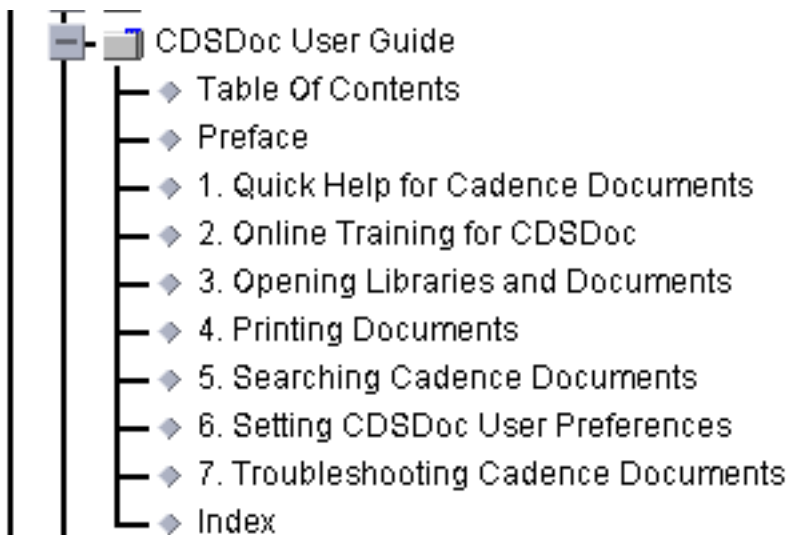
Docs by Product - (Default) Lists each Cadence product you installed, with related books underneath.

Docs by Type - Lists Known Problems and Solutions, Product Notes, and Manuals in separate categories.

2. Click on the plus widget to expand a category and display the document titles.



3. Click on the plus widget to expand the titles of the chapters in a particular document.

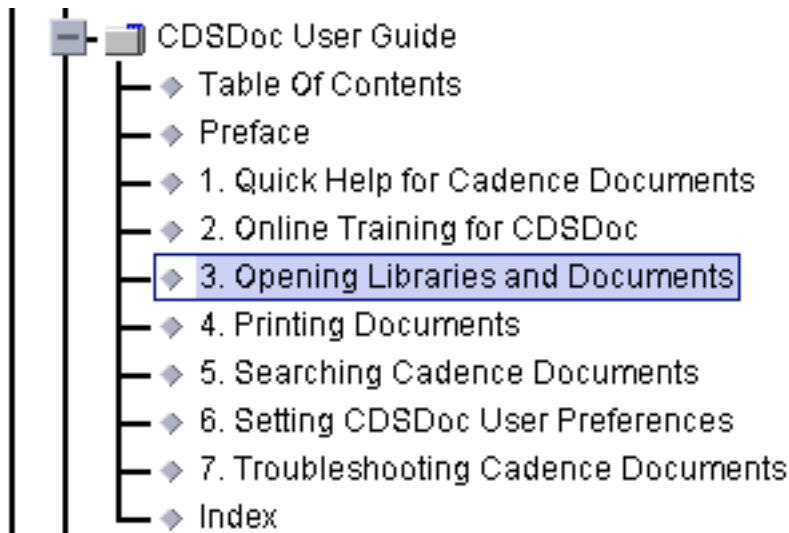


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Opening Libraries and Documents

4. Do either of the following:

- Double-click on the title of the chapter you want to open.
- Click to select a title, then click the Open button.



The document appears in your web browser window.

Note: On Windows, CDSDoc opens the document in Netscape. If you want to change the default browser, see [Choosing a default browser \(Windows only\)](#) on page 51 .

You can [view a video about opening documents](#).

Opening PDF Documents

Besides the HTML version of each document available from the Library window, Cadence ships PDF versions for use in printing. To open the PDF version of a document:

1. Open the HTML document from the Library window.
2. Click the *View/Print PDF* button in the command bar at the top of the document.

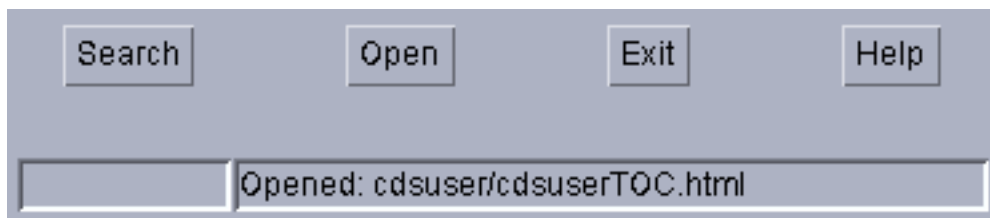
You can also create a HTML list of PDF files, as described in [Creating a List of Printable Files](#) on page 31 .

Opening a Document in a Second Window

By default, CDSDoc opens in your current browser window. You can change this default using the *Edit – Preferences* command. See [Using a new browser window or reusing the same window](#) on page 49 for details.

Status Messages

The bottom section of the library window displays status messages as you open documents, as shown below.



Resetting the Library Window

If you expand a number of document titles, the Library window may begin to look “cluttered” with titles. To redraw the window so that no categories or documents are expanded, choose *View – Refresh* from the Library window.

Closing the Library Window

You can close the library window but leave CDSDoc running using any of the following methods:

- **Any platform:** Choose *File – Close* in the Library window to close the window.
- **UNIX systems:** Click the upper left corner of the window and choose *Quit*.
- **Windows systems:** Click the X box in the upper right corner of the window.

In all cases, this stops the Java application used to serve the window, but leaves the server process used by CDSDoc running in the background. Leaving the server running makes CDSDoc open more quickly the next time you start it. See the following section for more details about stopping the server process.

Exiting the Library

CDSDoc uses a server daemon to run the Search feature. Whenever you open a library, the server is started. The server is a background process (not a web server) that uses a very small portion of your machine's CPU time, called `https` on UNIX, `search.exe` on Windows.

To stop the server and close CDSDoc, do either of the following:

- Choose *File – Exit* in the Library window.
- Click *Exit* at the bottom of the Library window.



To just stop the server but not close CDSDoc, do the following:

- Click **Exit** in any Cadence document.

Other Processes Stopped by Exit Commands

Besides halting the Search server, the following processes are stopped depending on the command you choose.

Platform	Command used	Processes halted
UNIX	Exit command or button in Library window	<ul style="list-style-type: none">■ <code>https</code>■ <code>obServer</code> (used to connect from Cadence tools to CDSDoc)■ Library window (a Java process)
UNIX	Exit button in document	<code>https</code>
Windows	Exit command or button in Library window	<ul style="list-style-type: none">■ <code>search.exe</code>■ <code>obServer.exe</code> (used to connect from Cadence tools to CDSDoc)■ Library window (a Java process)
Windows	Exit button in document	<code>search.exe</code>

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Opening Libraries and Documents

Note: If you do not explicitly choose *Exit* from the Library window, all of these processes will eventually close if they are not used for several hours.

Printing Documents

Cadence provides Portable Document Format (PDF) versions of each of the documents in the library. You can open the PDF file using Adobe Acrobat® Reader and print all or part of the document.

The following sections describe:

- [Printing an Entire Book](#) on page 27
- [Printing Sections of a Book](#) on page 29
- [Printing on A4 Paper \(Changing Paper Size\)](#) on page 30
- [Creating a List of Printable Files](#) on page 31

The instructions in this chapter assume you have set up Adobe Acrobat Reader on your system. See Chapter 2, [Setting Up Browsers and Helper Applications](#), in the *CDSDoc Configuration Guide* for details.

You can [view a video about printing documents](#).

Printing an Entire Book

To print a complete document, follow the steps below.

1. Click the **View/Print PDF** button in the [command bar](#) at the top or bottom of a Cadence document.

A PDF version of the document appears in an Acrobat Reader window.

Note: If a dialog asks whether you want to download or display the file, choose *display*. Later, read [Setting Up Browsers and Helper Applications](#) in the *CDSDoc Configuration Guide* to find out how to set your browser to start Acrobat Reader whenever you click on a link to a PDF file.

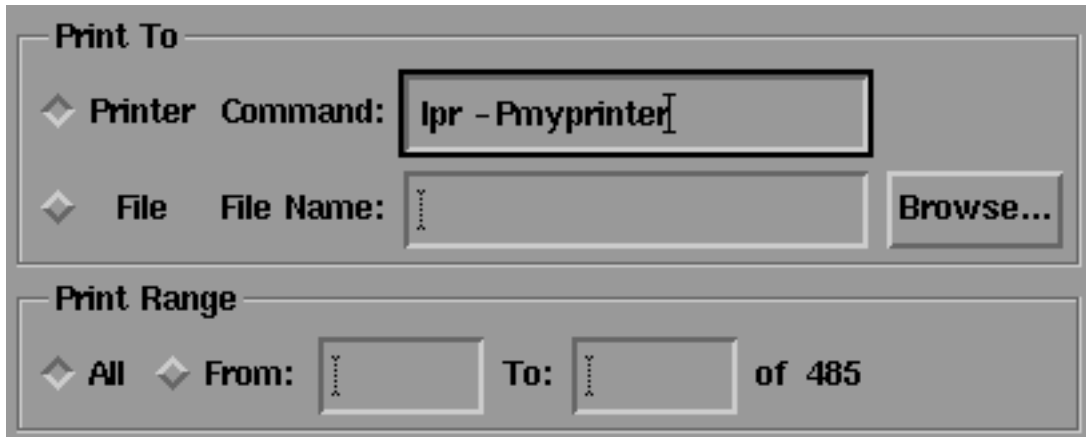
2. Choose *File – Print* in the Acrobat Reader window to display the Print form.

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Printing Documents

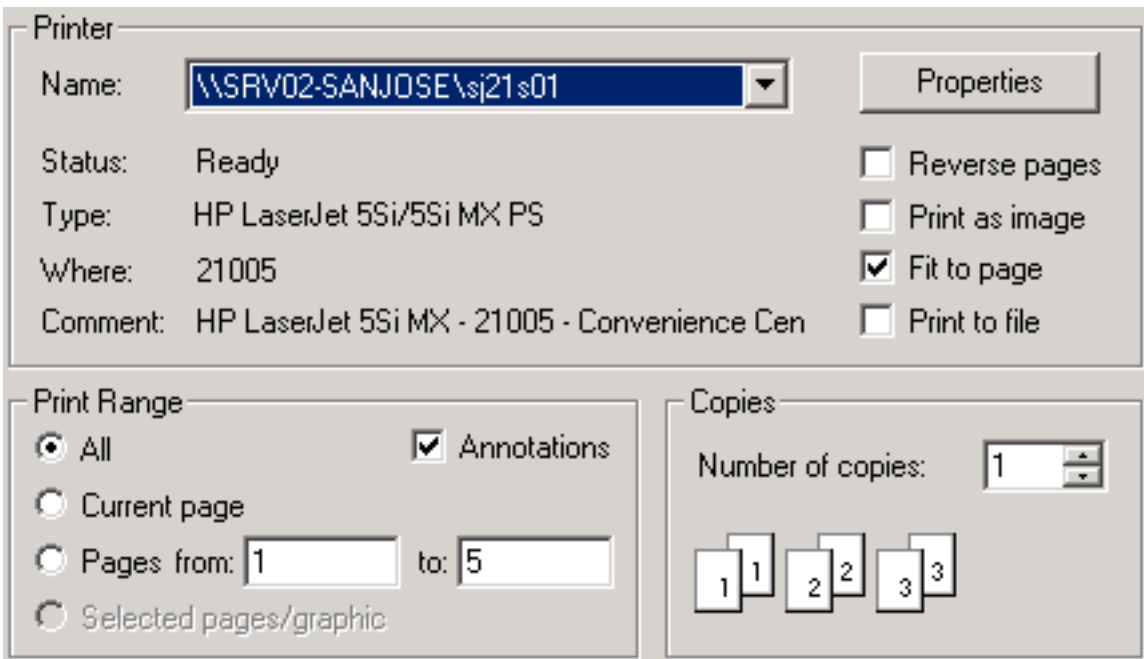
- a. Set the *Printer Command* (UNIX) to use an appropriate print command and printer at your site, or set the *Printer Name* (Windows) to a printer at your site.
- b. Set *Print Range* to *All*.

UNIX



The UNIX print dialog box is divided into two sections. The top section, titled "Print To", contains a "Printer Command" field with the text "lpr - Pmyprinter" and a "File File Name" field with a "Browse..." button. The bottom section, titled "Print Range", has radio buttons for "All", "From:", and "To:". The "All" radio button is selected. The "From:" and "To:" fields are empty, and the text "of 485" is displayed to the right.

Windows



The Windows print dialog box is divided into three sections. The top section, titled "Printer", has a "Name:" dropdown menu showing "\\SRV02-SANJOSE\s121s01" and a "Properties" button. Below this are fields for "Status: Ready", "Type: HP LaserJet 5Si/5Si MX PS", "Where: 21005", and "Comment: HP LaserJet 5Si MX - 21005 - Convenience Cen". To the right are checkboxes for "Reverse pages", "Print as image", "Fit to page" (checked), and "Print to file". The middle section, titled "Print Range", has radio buttons for "All", "Current page", "Pages from:", and "Selected pages/graphic". The "All" radio button is selected. There is also a checked checkbox for "Annotations". The "Pages from:" field shows "1" and the "to:" field shows "5". The bottom section, titled "Copies", has a "Number of copies:" spinner box set to "1" and a visual representation of three pages, each with a small box containing the page number (1, 2, 3).

3. Click *OK*.

The entire book is printed to the printer you selected.

You can [view a video about printing documents](#).

Printing Sections of a Book

You can print one or several sections of a book from the PDF file.

1. Click the **View/Print PDF** button in the command bar at the top or bottom of a Cadence document.

A PDF version of the document appears in an Acrobat Reader window.

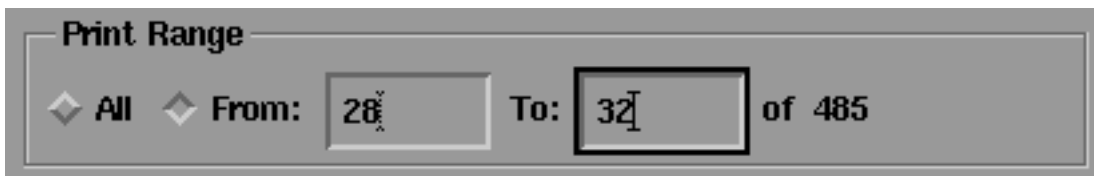
Note: If a dialog asks whether you want to download or display the file, choose *display*. Later, read [Setting Up Browsers and Helper Applications](#) in the *CDSDoc Configuration Guide* to find out how to set your browser to start Acrobat Reader whenever you click on a link to a PDF file.

2. Do one of the following:

- Look at the table of contents for the book to find the starting and ending page numbers of the section you want to print.
- Scroll to or click on the section title you want to print and note the starting and ending numbers of the section.

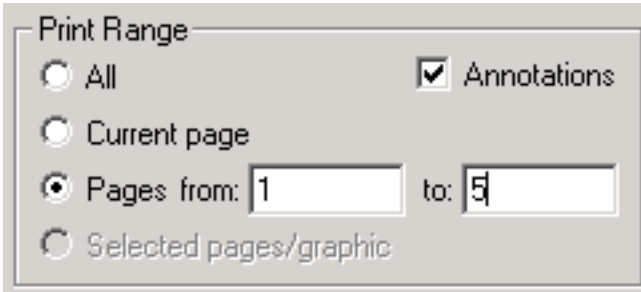
3. Choose *File – Print* in the Acrobat Reader to display the Print form.

- a. Set the *Printer Command* (UNIX) to use an appropriate print command and printer at your site, or set the *Printer Name* (Windows) to a printer at your site.
- b. Set *Print Range* to the page numbers you noted.



Note: On Windows systems, the dialog also lets you choose *Current page* to print the currently displayed page, or *Selected pages* to print pages you selected with the

Acrobat Reader.



4. Click *OK*.

The pages are printed to the printer you selected.

Printing on A4 Paper (Changing Paper Size)

By default, Acrobat Reader is typically set to print on 8.5" x 11" paper. You can change this default to print on A4 (8.26" x 11.69") paper, or other paper types that fit in your printer.

Note: If you choose a paper size that is shorter than 10" long or narrower than 7.5" wide, the text may be truncated.

1. Click the **View/Print PDF** button in the command bar at the top or bottom of a Cadence document.

A PDF version of the document appears in an Acrobat Reader window.

Note: If a dialog asks whether you want to download or display the file, choose *display*. Later, read [Setting Up Browsers and Helper Applications](#) in the *CDSDoc Configuration Guide* to find out how to set your browser to start Acrobat Reader whenever you click on a link to a PDF file.

2. Choose *File – Page Setup* in the Acrobat Reader window.

Set Paper Size to A4.

3. Click *OK*.

The pages will be resized to the A4 format.

4. Choose *File – Print* in the Acrobat Reader window to display the Print form.

- a. Set the *Printer Command* (UNIX) to use an appropriate print command and printer at your site, or set the *Printer Name* (Windows) to a printer at your site.

- b.** Set *Print Range* to the range you prefer, as described in [Printing Sections of a Book](#) on page 29.

- 5.** Click *OK*.

The pages are printed.

Creating a List of Printable Files

Each book in a CDSDoc collection has a single PDF file. Each of those PDF files is stored in the directory for that book. You may want to quickly access all of the PDF documents when printing a set of manuals. Rather than opening an HTML page for each book and then opening the PDF, you can run a Perl script to generate a single HTML file with direct links to all of the PDFs in your library.

Important

To follow the steps below, you must have a working copy of Perl in your executable path.

- 1.** Open a shell (UNIX) or command (Windows) window.
- 2.** From your Cadence installation directory, change to `share/cdsdoc/bin` (UNIX) or `share\cdsdoc\bin` (Windows).
- 3.** Start the Perl script:

```
perl list_PDF.pl
```

Note: Use the appropriate syntax for your Perl to start the script. For example, ActivePerl for Windows uses a `-w` option to run scripts: `perl -w scriptname`.

- 4.** At the prompt, enter the full path to the directory containing Cadence documents. The default for this directory name is `doc`. For example:

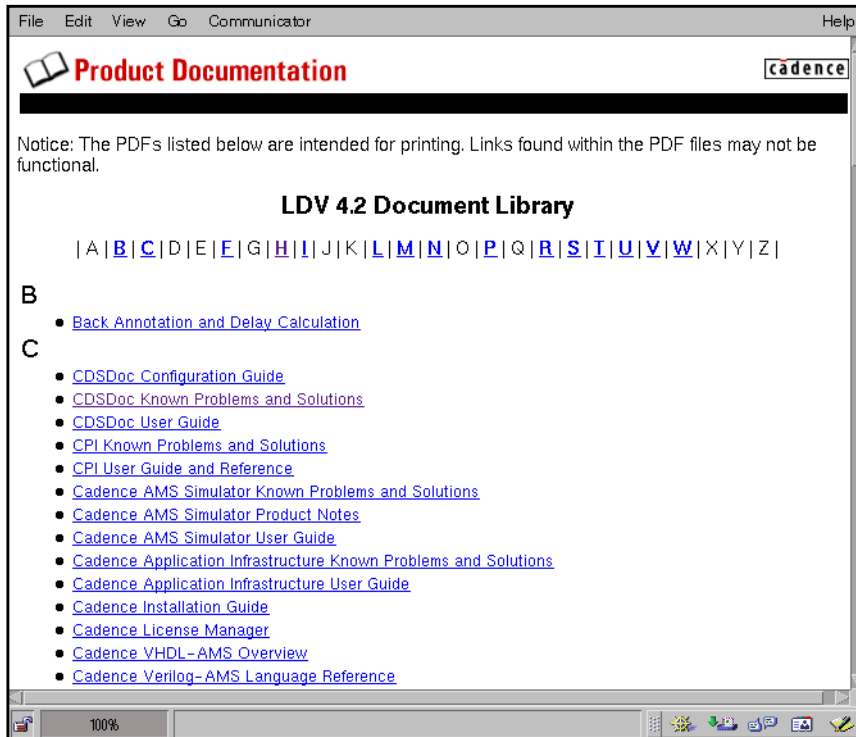
```
Enter the full path to the doc directory including doc  
/mnt1/cadence/ldv42/doc
```

The script lists each book's directory name as it reads them all to locate the PDF files. When finished, it writes a file named `pdf_alpha.html` to the directory you entered above.

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5. To test the results, open `doc/pdf_alpha.html` in your web browser. You should see a page similar to the one shown below.



The PDF documents are listed alphabetically by document title. Click on any title to open the printable PDF file.

Note: If a dialog asks whether you want to download or display the file, choose *display*. Later, read [Setting Up Browsers and Helper Applications](#) in the *CDSDoc Configuration Guide* to find out how to set your browser to start Acrobat Reader whenever you click on a link to a PDF file.

Searching Cadence Documents


CDSDoc uses the Verity Search tool to let you search books. This chapter describes:

- [Searching All Cadence Documents](#) on page 33
- [Searching a Group of Documents](#) on page 34
- [Searching One Document](#) on page 36
- [Searching Different Cadence Hierarchies](#) on page 38
- [If Search Doesn't Find What You Want](#) on page 39
- [Narrowing Your Search](#) on page 40
- [Combining Operators](#) on page 42
- [Advanced Search Operators](#) on page 43
- [Searching for Special Characters](#) on page 47

You can also [view two videos about searching documents](#).

Searching All Cadence Documents

To search all the documents in this library:

1. Click the  button at the top of any Cadence document, or click *Search* in the CDSDoc Library window.



The Search window appears. By default, all product platforms, products, and manuals are selected.

2. Type the words you want to search for into the *Search for* field and click *Go*.

Search for:

- To search for part of a string, use wildcard characters to match the rest of the string: `dbCreate*`
- You can use AND, OR, or NOT to perform Boolean searches: `printer AND hp`
- To match an exact phrase, enclose it in quotes: `"change layer colors"`


There are additional operators you can use to further refine your search. See [Narrowing Your Search](#) on page 40 for more details.

3. Search displays a list of chapters that match your string. Click on a chapter title to open that chapter.
4. Inside the chapter, you can:
 - Click the *Jump to the first match* text at the top of the chapter to jump to the first matching word, and use the arrow buttons to jump to the next  or previous  matches.
 - Use the *Edit – Find* command in your web browser to find the matching string.

You can also [view a video about searching documents](#).

Searching a Group of Documents

To select a group of documents to search, do the following:

1. Click the  button at the top of any Cadence document, or click *Search* in the CDSDoc Library window.

The Search window appears. By default, all product families, products, and manuals are selected.

2. Do any of the following:
 - Click on a *Platform* name to search all documents about products within that Cadence design platform.

You can click on more than one *Platform*. On Windows, press `Ctrl` when clicking another platform name.

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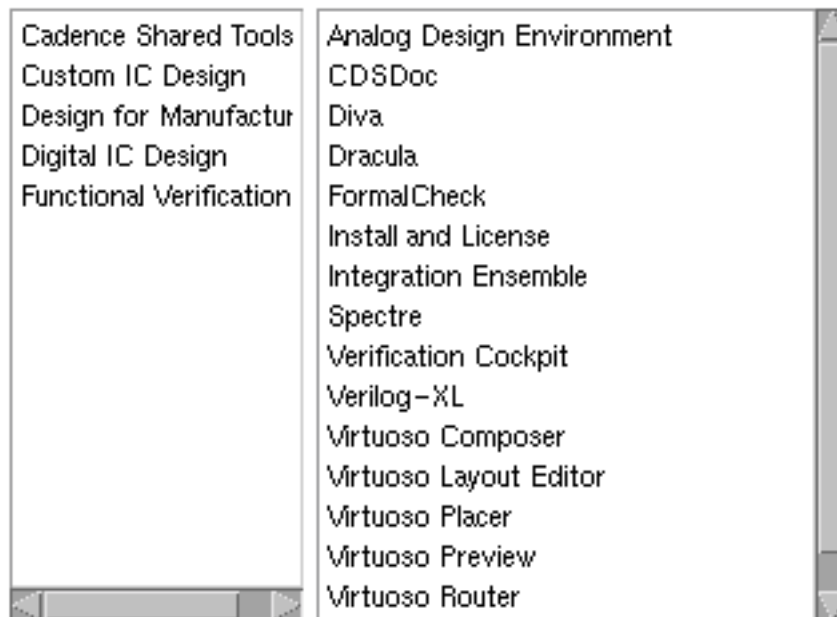
- ❑ Click on a *Product* name to search only documents about that product.

You can click on more than one *Product*. On Windows, press `Ctrl` when clicking another product name.

Search in:

Cadence Platforms Products

- All of the following All of the following





3. Type the words you want to search for into the *Search for* field and click *Go*.
 - ❑ To search for part of a string, use wildcard characters to match the rest of the string: `dbCreate*`
 - ❑ You can use AND, OR, or NOT to perform Boolean searches: `printer AND hp`
 - ❑ To match an exact phrase, enclose it in quotes: `"change layer colors"`

There are additional operators you can use to further refine your search. See [Narrowing Your Search](#) on page 40 for more details.

4. Search displays a list of chapters that match your string. Click on a chapter title to open that chapter.
5. Inside the chapter, you can:

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- ❑ Click the *Jump to the first match* text at the top of the chapter to jump to the first matching word, and use the arrow buttons to jump to next  or previous  matches.
- ❑ Use the *Edit – Find* command in your web browser to find the matching string(s).

You can also [view a video about searching documents](#).

Searching One Document

To select individual documents to search, do the following:

1. Click the  button at the top of any Cadence document, or click *Search* in the CDSDoc Library window.

The Search window appears. By default, all product families, products, and manuals are selected.

2. If you know the *Platform* name (for example, Incisive) containing this document, click on it to reduce the number of products listed.
3. Click on the name of the *Product* whose documents you want to search.
4. Select the title of the book(s) you want to search under *Books*.

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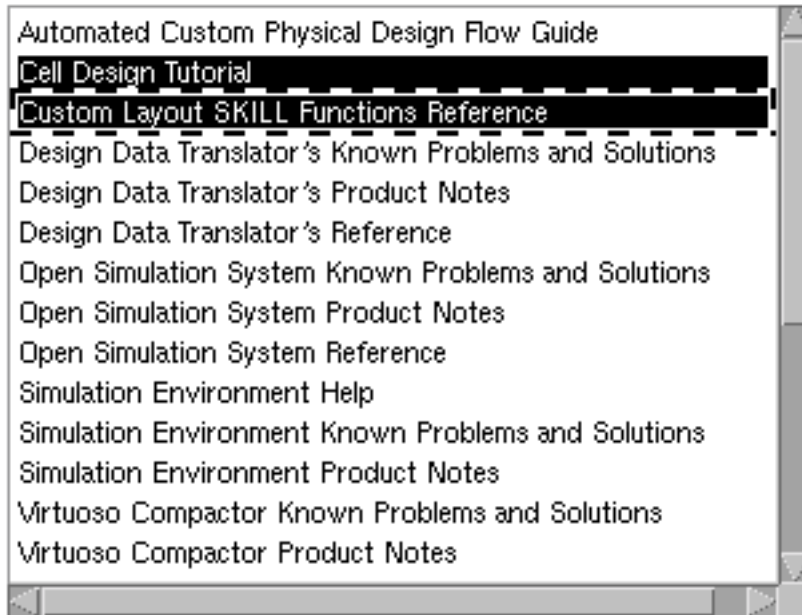
Searching Cadence Documents

On Windows, press `Ctrl` when clicking on each additional book title.

Books

2 selected

All of the following





Note: Double-clicking on the Books list does not open that book. This list is for selecting the books that you want to search. If you want to open the book, click on its title in the Library window as described in [Opening a Document](#) on page 21 .

5. Type the words you want to search for into the *Search for* field and click *Go*.
 - To search for part of a string, use wildcard characters to match the rest of the string:
`dbCreate*`
 - You can use AND, OR, or NOT to perform Boolean searches: `printer AND hp`
 - To match an exact phrase, enclose it in quotes: `"change layer colors"`

There are additional operators you can use to further refine your search. See [Narrowing Your Search](#) on page 40 for more details.

6. Search displays a list of chapters that match your string. Click on a chapter title to open that chapter.
7. Inside the chapter, you can:

- ❑ Click the *Jump to the first match* text at the top of the chapter to jump to the first matching word, and use the arrow buttons to jump to next  or previous  matches.
- ❑ Use the *Edit – Find* command in your web browser to find the matching string

You can also [view a video about searching documents](#).

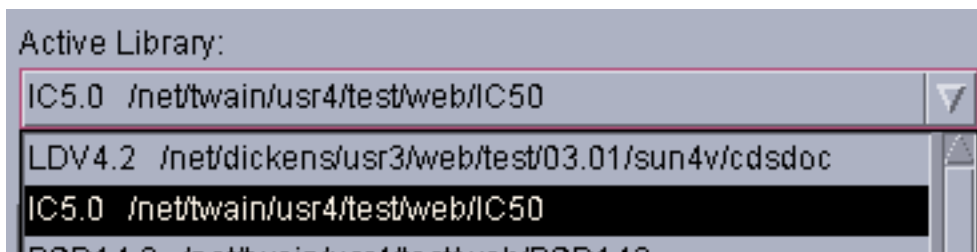
Searching Different Cadence Hierarchies


Cadence prepares a full-text Search index for each release it ships. When you choose Search, you search all the documents included in the release you are currently viewing.

If you have installed more than one Cadence release, you can choose to search the documents in a particular release. However, *you cannot search two release hierarchies at the same time*.

To change the release you are searching:

1. In the Library window, click on the Active Library pull-down.



2. Choose the directory of the release you want to Search.
The list of documents in the Library window should change.
3. Open any of the documents in the Library.
4. Click the  button at the top of any Cadence document, or click *Search* in the CDSDoc Library window.
5. Follow the steps in the previous sections to search all or selected documents.

If Search Doesn't Find What You Want

There are several possible reasons why a query may not find the matches you expect. The following are the most common problems users encounter. Further suggestions about search issues appear in [Questions About Searching Documents](#) on page 64 .

Use wildcards when searching for commands or syntax

Search matches English words and their equivalents to the string you enter. It can complete a word like “print,” to also find “printing, printed, printer.”

However, Search does not automatically complete non-English strings. So if you look for a portion of a command name, you must include wildcard characters (* or ?) to indicate that there may be additional portions to this string.

For example, searching for `dbCreate` looks for only the string “dbCreate.”

Typing `dbCreate*` finds `dbCreateLabel`, `dbCreatePath`, `dbCreateLib`, etc.

Use a slash to "protect" special characters

The backslash (\) is used to tell Search not to interpret special characters. See [Searching for Special Characters](#) on page 47 for a list of all the special characters. If Search does not find an exact match, it may be that one of the characters you are looking for is interpreted specially by Search.

For example, if you want to look for reference to a SKILL function and its syntax, you only want to find instances of the full function syntax, which includes open and close parentheses, not mentions of the function title elsewhere in documentation. To search for parentheses, you must place a backslash in front of them. So if you want to look for a function that you know ends in `Create()`, typing `*Create\()` finds commands like `aelEnvCreate()`, `syMenuAlignCreate()`, `cmxfAxisCreate()`, etc.

Use Booleans between words, not spaces

Search looks for phrases by default. If you enter: `layer color`, Search looks for “layer color,” “layer colors,” in the same phrase.

If you want to look for the two words, `layer` and `color`, together, use the Boolean AND between them. Typing `layer AND color` finds both words anywhere in a chapter.

You can also use special operators to find words in the same paragraph (`layer <PARAGRAPH> color`) or near each other (`layer <NEAR> color`). See [Narrowing Your Search](#) on page 40 for a complete list of Search operators.

Use all one case to find text in both upper- and lowercase

By default, if you search for a mixed-case string, using both upper- and lowercase letters, Search is case-sensitive and finds the string exactly as you typed it. Searching for `Print` finds only *Print*, not *print*.

If you enter your search string in all lowercase (or in all uppercase) letters, Search is case-insensitive. For example, searching for `axl` finds both *axl*, *AXL*, and *Axl*. If you don't care whether the string you find is uppercase or lowercase, enter your string in all one case.

To force searching for all uppercase or all lowercase letters, use the `<CASE>` operator.

Make sure you are searching the correct hierarchy

Search only searches one Cadence installation hierarchy at a time. Make sure your CDSDoc Library window shows the path to the hierarchy you want to Search before choosing Search. If it does not, change the hierarchy as described in [Searching Different Cadence Hierarchies](#) on page 38, and then click *Search* again.

Narrowing Your Search

There are many ways you can refine your search. The following table gives an overview of the commonly used methods to narrow your search.

You can also [view a video about controlling search](#) to see examples of using wildcard characters or Boolean operators.

Table 5-1 Refining a Search

To find this:	Type this:	Example:
Variations of a word	<i>myword</i>	<code>place</code> Finds <i>place</i> , <i>placing</i> , <i>places</i> , <i>placed</i> . Does not find <i>place_and_route</i> (use a wildcard character to find partial strings as described in this table)

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Table 5-1 Refining a Search

To find this:	Type this:	Example:
A phrase	<i>all words in phrase</i>	layer colors Finds the phrase <i>layer colors</i> . Does not find <i>layer</i> and <i>colors</i> separately (use AND as described in this table)
An exact word or phrase	"myword"	"place" Finds only <i>place</i>
Substitute for a character	? for a single character * for multiple characters	??Create* Finds <i>syCreatePin</i> , <i>hiCreateForm</i> , <i>leCreateCell</i> , and other functions that begin with two characters followed by "Create" and another string See also Operators to Restrict or Expand Word Searches on page 43
Two specific strings	<i>word</i> AND <i>word</i>	printer AND CalComp Finds only documents with both <i>printer</i> and <i>CalComp</i>
One string or another	<i>word</i> OR <i>word</i>	printer OR plotter Finds either the words <i>printer</i> or <i>plotter</i>
One string but not another	<i>word</i> NOT <i>word</i>	plotter NOT CalComp Finds all documents with the word <i>plotter</i> that do not have the word <i>CalComp</i>
A string near another string	<i>word</i> <NEAR> <i>word</i>	place <NEAR> route Finds <i>place</i> , <i>placing</i> , <i>places</i> near <i>route</i> , <i>routing</i> , <i>routes</i> See also Operators to Find Words Near Other Words on page 45

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Table 5-1 Refining a Search

To find this:	Type this:	Example:
Case-sensitive strings	<CASE> <i>word</i>	<CASE> SUBMIT Finds <i>SUBMIT</i> but not <i>submit</i> Note: By default, Search is case sensitive if you enter words that are mixed case (upper and lowercase) but case insensitive if you enter words that are all upper or all lowercase.
Strings including “and,” “or,” or “not”	word "and" word	place "and" route Finds the phrase <i>place and route</i>
A document containing several strings	word, word, word	command, block Finds documents with <i>command</i> and <i>block</i> , ranking those with both words higher than others

Combining Operators

You can combine two or more of the operators above in a query as shown in the following examples:

- "place" AND "route" AND "floorplan"

Finds documents containing all three words: *place*, *route*, *floorplan*

- "place and route" AND "floorplan"

Finds documents with both the phrase *place and route*, and the word *floorplan*

By default, Search evaluates an AND before an OR:

- "place" AND "route" OR "floorplan"

Finds documents with both *place* and *route*, or documents that contain *floorplan*.

To have Search evaluate some segments of a query before others, enclose some portions in parentheses. Search evaluates the most nested parenthetical statement first, and works outward, as shown in the following examples:

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- ("printer" OR "plotter") AND CalComp
Finds documents containing either *printer* or *plotter*, and *CalComp*
- ((layer colors <NEAR> "design") AND set) NOT Virtuoso)
Finds documents containing the phrase *layer colors* near the word *design*, and the word *set* or variations (e.g. *setting*, *sets*), excluding any documents with the string *Virtuoso*.

Advanced Search Operators

In addition to the operators listed above, there are other operators you can include in a Search. Operators let you:

- Expand the search to include additional words by how they are spelled or by their meaning ([Operators to Restrict or Expand Word Searches](#) table on page 43).
- Search for words near other words ([Operators to Find Words Near Other Words](#) table on page 45).
- Search for strings in the book's title, chapter title, product name, or Cadence product platform name ([Operators to Find Words in Books by Title or Product](#) table on page 46).
- Search for books by their version number ([Operators to Find Books by Version Number](#) table on page 47)

Table 5-2 Operators to Restrict or Expand Word Searches

To do this:	Use this:	Example:
Search for specific words (not variations on them)	<WORD> <i>word</i>	<WORD> <i>place</i> Finds <i>place</i> but not <i>placing</i> or <i>places</i>
Search for words and their variations	<STEM> <i>word</i>	<STEM> <i>place</i> Finds <i>place</i> , <i>placing</i> , <i>places</i> . The STEM operator is assumed by default to be part of the query, unless you quote a word ("word") or use the WORD operator

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Table 5-2 Operators to Restrict or Expand Word Searches

To do this:	Use this:	Example:
Search for words and their synonyms	<code><THESAURUS> word</code>	<code><THESAURUS> stop</code> Finds <i>stop</i> and words similar in meaning such as <i>halt, cancel</i> .
Find words spelled similarly to the one you type	<code><TYPO> word</code> <code><TYPO/N> word</code> where <i>N</i> is the number of letters changed (added, deleted, or transposed); the default is 2	<code><TYPO> equivulence</code> Finds <i>equivalence</i> <code><TYPO/3> sweeping</code> Finds <i>sweeping</i> and <i>swimming</i>
Search for a word including a “wildcard” string	Wildcard characters * or ? <code><WILDCARD></code> with any of the following: <code>`[character set]`</code> <code>`[^excludepattern]`</code> <code>`[set-set]`</code> <code>`{pattern, pattern}`</code>	<code>??Create*</code> Finds <i>syCreate, leCreateCell</i> <code><WILDCARD> `c[auo]t`</code> Finds <i>cat, cut, and cot</i> . Note the entire expression must be enclosed in backquotes (‘) <code><WILDCARD> `st[^o]ck`</code> Finds <i>stick, stack, stuck</i> , but not <i>stock</i> <code><WILDCARD> `c[a-o]t`</code> Finds <i>cat, cbt, cct</i> , through <i>cot</i> <code><WILDCARD> `plott{er,ing}`</code> Finds <i>plotter</i> and <i>plotting</i>

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Table 5-3 Operators to Find Words Near Other Words

To do this:	Use this:	Example:
Search for strings near each other	<i>word</i> <NEAR> <i>word</i>	place <NEAR/2> route
	<i>word</i> <NEAR/ <i>N</i> > <i>word</i> where <i>N</i> is the number of words distance between the words	Finds <i>place</i> and <i>route</i> (or their variations) within two words of each other
Search for strings in the same phrase	<i>word</i> <PHRASE> <i>word</i>	layer <PHRASE> color
	The <PHRASE> operator is used by default in any search of two words separated by a space.	Finds the phrase <i>layer color</i> or <i>layer colors</i> .
Search for strings in the same sentence	<i>word</i> <SENTENCE> <i>word</i>	print <SENTENCE> stop
		Finds <i>print</i> , <i>printer</i> , <i>printing</i> near <i>stop</i> , <i>stopped</i> , <i>stopping</i>
Search for strings in the same paragraph	<i>word</i> <PARAGRAPH> <i>word</i>	"Create command" PARAGRAPH "blocks"
		Finds <i>Create command</i> in the same paragraph with <i>blocks</i>

The next table lists operators that can be used to find strings inside specific parts of Cadence documents. In the following table, *Part* can be:

- `DocTitle` to find text within the book's title.
- `Title` to find text within the book or the chapter title.
- `Product` to find text in the product name for a book or books.

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Table 5-4 Operators to Find Words in Books by Title or Product

To do this:	Use this:	Example:
Search for strings anywhere in a book's title or product name	<i>Part</i> <SUBSTRING> <i>string</i>	Product <SUBSTRING> Wave Finds chapters of books whose product name includes the string <i>Wave</i>
Search for words anywhere in a book's title or product name	<i>Part</i> <CONTAINS> <i>word</i>	Title <CONTAINS> Checker Finds all chapters of books with the string <i>Checker</i> in the book or the chapter title
Search for strings at the beginning of a book's title or product name	<i>Part</i> <STARTS> <i>word</i>	Product <STARTS> NC Finds all chapters of books whose product name begins with <i>NC</i>
Search for strings at the end of a book's title or product name	<i>Part</i> <ENDS> <i>word</i>	DocTitle <ENDS> Guide Finds all chapters of books whose title ends with <i>Guide</i>
Search for an exact book title or product name	<i>Part</i> <MATCHES> <i>word</i> <i>word</i>	Product <MATCHES> CDSDoc Finds all chapters in books with the Product <i>CDSDoc</i> .

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You can also search for chapters of books by the book's version number, as shown in [Table 5-5](#) on page 47.

Table 5-5 Operators to Find Books by Version Number

To do this:	Use this:	Example:
Search for books by the version number	<code>Version = value</code>	<code>Version = 2.0</code> Finds books whose version string is exactly 2.0
	<code>Version > value</code>	
	<code>Version >= value</code>	<code>Version >= 2.0</code> Finds books whose version string is equal to 2.0 or higher
	<code>Version < value</code>	
	<code>Version <= value</code>	<code>Version > 2.0</code> Finds books whose version string is greater than 2.0

Note: You can use the operators in [Table 5-4](#) on page 46 to search by Version as well, but generally Version numbers do not include text strings so the above operators are more useful.

Searching for Special Characters

Some characters are used internally by the Search engine; to search for them, you must precede them with a backslash (\):

Special characters that must be preceded by \

- , comma
- " double quote
- (left parenthesis
-) right parenthesis
- [left square bracket
-] right square bracket
- = equals
- > right angle bracket
- < left angle bracket

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- ! exclamation point
- ? question mark
- @ "at" symbol
- ' apostrophe
- hyphen
- _ underscore
- / forward slash
- { left curly brace

To search for a backslash (\), which is used to help search for other special characters, or to search for a backtick (`) or accent grave, you must use the following special syntax:

```
<WORD> "\\ "
```

or

```
<WORD> "\ ` "
```

So, for example, to search for the text `\abc`, you would enter the following in the Search form:

```
<WORD> "\\abc "
```

To search for a command such as `'switch`, you would enter:

```
<WORD> "\ `switch "
```

Note: If you search for a string that contains more than one special character, you may not get a result even if you "escape" the character with a backslash. If you have trouble searching for special characters, reduce the string so that it contains only one special character.

Setting CDSDoc User Preferences

There are several preferences that each CDSDoc user can set to control the behavior of the CDSDoc Library window, Search, and other features.

- [General Window Features](#) on page 49
- [Search Preferences](#) on page 51
- [Setting the Port ID for CDSDoc URLs](#) on page 52

General Window Features

The next sections describe how to set features that control the number of browser windows and the size and location of the CDSDoc Library window.

Using a new browser window or reusing the same window

CDSDoc opens documents in the same browser window that you may currently be using to display another website. You may change this default as follows:

1. Choose *Edit – Preferences* from the CDSDoc Library window.
2. In the *General* tab, choose:
 - New browser window* to always use a separate browser window in Netscape or Internet Explorer when you choose a document from the Library window. This prevents CDSDoc from “taking over” any current tasks you are doing with the browser.

CDSDoc will reuse this separate window for each book – you will not see multiple browser windows displaying individual manuals.
 - Current browser window* to open any document from CDSDoc into the last active browser window you were using.
3. Click *OK*. Your changes will take effect the next time you open a document with CDSDoc.

Displaying the Library window by default or suppressing display

When you click *Help* in an application to open a manual in CDSDoc, only the manual appears. You can change the default so that the Library window is also opened when you click *Help*.

1. Choose *Edit – Preferences* from the CDSDoc Library window.
2. In the *General* tab, set *Always show when a document is opened*:
 - ON (checked) to always display the CDSDoc window when you open a document by clicking *Help*.
 - OFF (blank) to open only the document when you click *Help*.
3. Click *OK*. Your changes will take effect the next time you open a document by clicking *Help*.

Setting the location of the Library window

To control where the Library window appears on your screen, do the following:

1. Choose *Edit – Preferences* from the CDSDoc Library window.
2. In the *General* tab, choose either:
 - Use the current location* and move the Library window to the place where you want it to appear.
 - Use these coordinates* and enter the coordinates, counted in pixels starting from the upper left corner of the screen, where you want the window to appear.
3. Click *OK*. Your changes will take effect.

Setting the default size of the Library window

To change the default size of the Library window, do the following:

1. Choose *Edit – Preferences* from the CDSDoc Library window.
2. In the *General* tab, choose either:
 - Use the current size* and drag the corners of the Library window to the size you prefer.
 - Use this size* and enter the number of pixels wide and high you want the Library window to be.

3. Click *OK*. Your changes will take effect.

Controlling the Netscape colormap (UNIX only)

Both Netscape and Cadence applications use a colormap to control the color of objects in their interfaces on UNIX. Sometimes Netscape can “steal” colors from Cadence tools, making the objects difficult to view. You can control whether Netscape shares colors with Cadence tools, or uses a separate colormap.

1. Choose *Edit – Preferences* from the CDSDoc Library window.
2. In the *General* tab, choose either:
 - Use default colormap* to have Netscape share its colormap with Cadence applications.
 - Use private colormap* to use a separate colormap for Netscape.

Note: If you use a private colormap, then you may notice colors “flashing” or changing when you move your mouse between Netscape and the Cadence applications. As long as your mouse is inside a Cadence application, however, the colors should appear correctly and they will not be used by Netscape.

3. Click *OK*. Your changes will take effect after you exit and then restart CDSDoc.

Choosing a default browser (Windows only)

When you first start CDSDoc on a Windows machine, it uses Netscape to display documents. If you want to change the default browser, do the following.

1. Choose *Edit – Preferences* from the CDSDoc Library window.
2. In the *General* tab, choose:
 - Netscape 4.x* or *Netscape 6.x* to launch that version of Netscape whenever you open a document.
 - Internet Explorer* to launch Internet Explorer whenever you open a document.

Search Preferences

You can control whether the Search results window – the window that lists all matching documents after you do a Search – opens in the current browser window, or in a new browser window. Using a new browser window means you can see both the results and the Search

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that you executed at the same time. When you click on a result, the document opens in a third window, so that you can quickly return to the results list if the book you opened is not the one you want.

1. Choose *Edit – Preferences* from the CDSDoc Library window.
2. In the *Search* tab, choose either:
 - Current browser window* to have the Search results appear in the same window from which you started the Search.
 - New browser window* to display Search results and the documents opened from the results list in a separate window.
3. Click *OK*. Your changes will take effect after you exit and restart CDSDoc.

Setting the Port ID for CDSDoc URLs

When CDSDoc displays a document, it uses the http server started by Search to “serve” the document. The server prepends a machine name and port address to each URL. The default port address is 9000. This means that every URL displayed for a document has the format:

`http://machineName:9000/directoryname/filename.html#linkname`

If you have other web servers at your site that use the port address 9000, you may want to control the port ID for CDSDoc. To do so:

1. Choose *Edit – Preferences* from the CDSDoc Library window.
2. In the *Advanced* tab, type in the specific *Port ID* you would like to use.

The port ID must be greater than 1024.
3. Click *OK*. Your changes will take effect after you exit and restart CDSDoc.

Troubleshooting Cadence Documents

This chapter helps you answer questions about or problems with CDSDoc. It describes

- [Sending Comments to Cadence](#) on page 54
- [Cadence Customer Support and Training](#) on page 55
- [Debugging the Documentation](#) on page 55
- [Error Messages](#) on page 56
- [Solving Problems](#) on page 60

Sending Comments to Cadence

If you have a comment or question about a Cadence document, or you find an error in a document, you can automatically send an e-mail to Cadence Publications about that document.

1. Click *Feedback* in the command bar at the top or bottom of a Cadence document.
2. In the Feedback form, type your comments.

Regarding :

Document

Chapter/Section Version

Comments :

Please give more details about how to change cellview display in this chapter.

Your name

Phone

[Help](#)

You can optionally include your name and phone number, if you would like Cadence to contact you later with more information.

3. When you are finished with your message, click *Send to Cadence*.

You should receive an automatic e-mail response showing that a message was sent to Cadence Technical Publications. A representative from Technical Publications will contact you shortly via e-mail to follow up on your problem.

Cadence Customer Support and Training

Cadence customer support is available to all customers who have a software support services agreement. To contact Customer support, go to this site:

<http://www.cadence.com/support>

SourceLink: Online Technical Support

Discover the fast, effective way to get Cadence technical support online.

<http://sourcelink.cadence.com>

Cadence Training

To contact Cadence Education Services or see a course catalog, go to this site:

<http://www.cadence.com/methodology/education>

To send electronic mail to the Education Services group, use this address:

training_enroll@cadence.com

Debugging the Documentation

There are several things you can do to debug problems in your documentation. These steps are covered in detail in “[Checking Your Installation](#)” in Chapter 1 of the *CDSDoc Configuration Guide*:

- Check your installation with the `cdsdoc -test option`
- Check the version of your CDSDoc software packages with the `cdsdoc -version` option.
- Set the `CDS_DEBUG_CDSDOC` environment variable to debug, then send the output to Cadence.

Error Messages

CDSDoc displays error messages in a separate window. Following is a numerical list of error messages you might see, and their solutions.

Note: If you cannot resolve these errors, please contact Cadence Technical Publications at cdsdoc_feedback@cadence.com

CDSDoc-001 Error Viewer is not responding

The web browser is already running but can't be contacted by CDSDoc because it is busy running another process, for example loading a large file over a slow network. If the browser does not respond in a reasonable amount of time, consider restarting your web browser.

CDSDoc-003 Warning Tag file is missing

The `doc/cdsuser/cdsdoc.tgf` file associated with this help call is missing. Read Chapter 3 of the *CDSDoc Configuration Guide*, [“Customizing the Cadence Library,”](#) for more information about *.tgf files.

CDSDoc-004 Error Tag file is unreadable

The `doc/cdsuser/cdsdoc.tgf` file associated with this help call is not readable. The file permissions may be set incorrectly. Read Chapter 3 of the *CDSDoc Configuration Guide*, [Customizing the Cadence Library](#), for more information about *.tgf files.

CDSDoc-006 Error Tag is missing

The entry for this help call is missing from the `doc/cdsuser/cdsdoc.tgf` file. Read Chapter 3 of the *CDSDoc Configuration Guide*, [“Customizing the Cadence Library,”](#) for more information about *.tgf files.

CDSDoc-007 Error Unknown file type

The `doc/cdsuser/cdsdoc.tgf` file used to point a help call to a specific document listed a filetype for this help call that CDSDoc does not recognize. The valid filetypes are:

HTML for HTML files

MENU for a link that opens the CDSDoc Library window

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In addition to these filetypes, there are filetypes for previous online document systems that may appear in some Cadence tools. These include:

- FRAME for FrameMaker files in OpenBook online help
- STATUS for system status messages

Read Chapter 3 of the *CDSDoc Configuration Guide*, [“Customizing the Cadence Library”](#) for more information about *.tgf files.

CDSDoc-008 Error Unsupported file type

The `doc/cdsuser/cdsdoc.tgf` file used to point a help call to a specific document listed a filetype for this help call that CDSDoc does not support. See [CDSDoc-007 Error Unknown file type](#) on page 56 for more details.

CDSDoc-009 Error Unknown message type

The Cadence Silicon Ensemble tools support a special “quick help” message system. The *.tgf file used to point a help call to a specific document listed a message type for this help call that CDSDoc does not recognize. The valid message types are:

- ERROR for error messages in Silicon Ensemble quick help
- INFO for information messages in Silicon Ensemble quick help
- QHELP for Silicon Ensemble quick help messages
- QSTATUS for Silicon Ensemble quick help status
- WARNING for Silicon Ensemble quick help warnings

Read Chapter 3 of the *CDSDoc Configuration Guide*, [“Customizing the Cadence Library”](#) for more information about *.tgf files.

CDSDoc-010 Error Unsupported message type

The *.tgf file used to point a help call to a specific document listed a message type for this help call that CDSDoc does not support. See [CDSDoc-009 Error Unknown message type](#) on page 57 for more details about the message types.

CDSDoc-011 Error Unknown Token

CDSDoc identifies links between different manuals using a combination of a token and a directory name: `$manualname`. It substitutes the path to your installed `doc` directory for `$`, then searches for a directory named `manualname`. CDSDoc could not resolve the `$manualname` token for this link, possibly because the manual is missing from the `/doc`

directory. The manual may be missing because it was not considered part of the documentation for your tool(s). Only those documents associated with a particular tool are installed.

CDSDoc-012 Error Document is Unreadable

The HTML document is damaged or unreadable. If the HTML file appears correct, check for permission problems.

CDSDoc-013 Error Document is Missing

The HTML file is not present in your doc hierarchy. The manual may be missing because it was not considered part of the documentation for your tool(s). Only those documents associated with a particular tool are installed.

CDSDoc-014 Error Message is Missing

CDSDoc reported an error but the error message is missing for that error. If you receive this message, please report it to Cadence Technical Publications at cdsdoc_feedback@cadence.com.

CDSDoc-015 Error Document has bad Syntax

Some Cadence applications, such as Silicon Ensemble, support a special “quick help” error message system. This message appears if the syntax in the source message document is incorrect. If you see this error, report it to Cadence Technical Publications at cdsdoc_feedback@cadence.com.

CDSDoc-016 Error Memory Error

The machine running CDSDoc had a memory error. Close some applications and try again. If this does not work, exit (if possible) and restart CDSDoc.

CDSDoc-017 Error Bad install directory

The directory containing the documents is damaged or can't be found. The directory should be named `doc` in your Cadence installation hierarchy. So, for example, if you execute CDSDoc from `install_dir/tools/bin/`, the corresponding `doc` directory is `install_dir/doc`. If the hierarchy is missing, you may need to reinstall CDSDoc for this release.

CDSDoc-018 Error Bad Handle

If you receive this message, there is a problem with the help call from the Cadence application to CDSDoc. Please report the problem to Cadence Technical Publications at cdsdoc_feedback@cadence.com.

CDSDoc-019 Error Server is not responding

The `obServer` program that supports CDSDoc can't be contacted; it is processing another request and is not responding back to the Library window. Wait for a moment and try again.

CDSDoc-020 Error Server can't start

The CDSDoc server program (`obServer`) can't be started. This program is used when Cadence applications make help calls to CDSDoc. Check the path to the program; it should be located at `install_dir/tools/bin/obServer`.

If the file is present, check the file permissions. It should be executable.

If the file is present and executable, you may be missing required operating system patches. Go to SourceLink at sourcelink.cadence.com and click on the "Recommended OS Patches" link in the Installation section.

If you have all required patches, please report this error to Cadence Technical Publications at cdsdoc_feedback@cadence.com.

CDSDoc-100 Error Invalid location

You used the CDSDoc *Edit - Preferences* command to set a default location for the Library window, but the location coordinates contain spaces, characters, or the fields are empty. Choose *Edit - Preferences* from the Library window and remove any blanks or special characters from the set of coordinates for the upper left corner of the Library window.

CDSDoc-101 Error Invalid size

You used the CDSDoc *Edit - Preferences* command to set a default size for the Library window in pixels, but the size values contain spaces, characters, or are empty. Choose *Edit - Preferences* from the Library window and remove any blanks or special characters from the settings for the width and height of the Library window.

CDSDoc-102 Error Invalid port

You used the CDSDoc *Edit - Preferences* command to set a default port value for the URL used when opening Cadence documents, but the value contains spaces, special characters, or is empty. Choose *Edit - Preferences* from the Library window and set the *Advanced - Port* setting to a number greater than 1024, with no special characters or spaces.

CDSDoc-103 Error Port ID less than 1024

You used the CDSDoc *Edit - Preferences* command to set a default port value for the URL used when opening Cadence documents, but the value is lower than 1024. Choose *Edit - Preferences* from the Library window and set the *Advanced - Port* setting to a number greater than or equal to 1024.

Solving Problems

The next sections answer questions about the following topics:

- [Questions About Starting CDSDoc](#) on page 60
- [Questions About Opening Documents and Libraries](#) on page 62
- [Questions About Searching Documents](#) on page 64
- [Questions About Document Appearance](#) on page 67
- [Questions About Printing Documents](#) on page 68

The questions listed here cover a properly configured version of CDSDoc. Errors due to problems in installation or configuration are describe in [“Solving Installation Problems”](#) in Chapter 4 of the *CDSDoc Configuration Guide*.

For bugs and their workarounds, see the [CDSDoc Known Problems and Solutions](#).

Questions About Starting CDSDoc

I have Internet Explorer on my UNIX system, but CDSDoc won't use it.

The full-text Search engine used by CDSDoc does not support Internet Explorer on UNIX machines. The required browsers are listed in Chapter 2, [“Setting Up Browsers and Helper Applications”](#) in the *CDSDoc Configuration Guide*.

Whenever I start CDSDoc, the first screen I see in Netscape or Internet Explorer is blank

The CDSDoc Library window loads a blank html file into your browser as it starts. If you see this blank file when you first click on a document title, click on the document title again. The document will load in your browser.

This error can occur the first time you start the CDSDoc Library window if you are running the documents from a remote machine over a slow network. The long-term solution is to avoid running the documents from a machine that is physically remote (for example, in another city) from your own.

I clicked Back to go back to a Cadence document and I get an error message

The Cadence documents are “served” to you from the Verity search engine included in the system. When you exit the Cadence system by clicking Exit in the documentation window or at the top of a document, you shut down the Verity search engine.

Therefore, after you have clicked Exit, if you try to use Back to reopen that document, you will see a message similar to one of the following:

```
Netscape's network connection was refused by the server  
machinename.yourcompany.com:9000.
```

```
The server may not be accepting connections or may be busy.
```

```
Try connecting again later.
```

You must restart CDSDoc as described in [Opening a Library](#) on page 18.

Why don't my Bookmarks to Cadence documents work?

Cadence documents are “served” to you from the Verity search engine, which prepends a machine name and port ID number to all document URLs. The Bookmark includes this port ID. If you exit CDSDoc, the server is halted and the port ID addresses no longer work.


Restart CDSDoc and your bookmarks should work. If they do not, your system rotates the port ID each time CDSDoc is started. In this case:

1. Set a fixed port ID for your documents using the *Edit - Preferences* command, as described in [Setting the Port ID for CDSDoc URLs](#) on page 52.
2. Exit and restart CDSDoc.
3. Reset your bookmarks using the new fixed port ID.

The next time you exit and restart CDSDoc, it will use the fixed port ID and your bookmarks will work.

Questions About Opening Documents and Libraries

I opened a book by clicking Help. How do I display other Cadence documents?

The CDSDoc Library window lets you choose books to open. If the Library window is not displayed, click the  button at the top of any document window.

See [Chapter 3, “Opening Libraries and Documents,”](#) for details on how to open documents from the Library window.

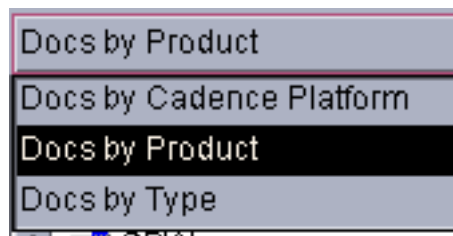
By default, CDSDoc 2.1 does not display the Library window when you open a document with *Help*. See [Displaying the Library window by default or suppressing display](#) on page 50 to set your preferences to display the Library by default.

I can't find a book I know I saw in the CDSDoc Library window before

There are two possibilities:

- You changed the list from one category (for example, documents listed by Product Name) to another category (for example, documents listed by Cadence Platform) and can't find the document in that category.

Pull down the category list at the top of the documentation window to choose a different category.



- You were displaying documents in a different Cadence release library, and the book you want is in that library.

To change to another Cadence release, follow the steps in [Changing to a Release You Have Previously Viewed](#) on page 20.

The list of documentation releases includes some that I don't use any more; I don't want to see them in my CDSDoc Library window

The list shown in the *Active Library* pull-down includes all Cadence documentation from releases you have previously viewed.

The list comes from either:

- UNIX: A text file named `~/.cdsdoc/cdsdoc.ini`
- Windows: A text file named `C:\\.cdsdoc\cdsdoc.ini`
- An environment variable, `CDSDOC_PROJECT`

The file or registry entry is updated each time you start CDSDoc from a particular release hierarchy to include the paths of each installed Cadence release.

If the list includes a release you no longer want to use, you may remove that release name as follows:

- Open `cdsdoc.ini` in your text editor, and delete **only** the line containing the release you don't want to see. For example, you might delete:

```
DocDir1=/net/myserver/usrl/cadence_install/ic4.4.6
```

I get a message "HTTP access denied"

If you see a web page with a message titled "Access Denied – The HTTP server has restricted your access to this document," there are several possible problems.

The most frequently-encountered problem is that you are running an older version of the Cadence documentation system in the background, and the https server is not able to determine which version of CDSDoc you want to use to open a document.

1. Exit CDSDoc by clicking Exit in the Library window.
2. Determine what processes are currently running and stop any CDSDoc processes running the in the background.

UNIX

Make sure there are not any processes named `obServer` or `https` running on your machine. If there are, stop them with the `kill -9` command.

```
ps -a
PID TTY      TIME CMD
4797 pts/2    0:00 obServer
4823 pts/2    0:00 https
```

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```
... [other processes omitted]
kill -9 4797
kill -9 4823
```

Windows

- a. Press *Ctrl-Alt-Del* and open the *Task Manager* window.
 - b. Check that there is no CDSDoc: Library or browser with a Cadence document or Cadence search process running. If there is, select each process and click *End Task*.
3. Now you can restart CDSDoc, and the HTTP access message should no longer appear.

If you perform these steps and the HTTP access message still appears, then one of the other scenarios listed on the page may be true.

- If you clicked a bookmark when you saw the message, try opening the Active Library from the Library window that you believe contains this book, and use the Bookmark again.
- You typed in the path to a different release hierarchy, including the https server port ID number (for example, `http://machine:9000`). Open the other hierarchy by using the *Active Library* pull-down from the Library window.

When I click Help, my iconified Netscape window doesn't "pop up" to display the document

If you display a help page in Netscape, then iconify Netscape, then attempt to reopen that help page by clicking Help again, the page remains iconified. This can sometimes happen inadvertently if two different Help buttons open the same Help page, and you have iconified the information after clicking the first Help button.

Since Netscape considers that it has already opened the page once, it will not pop the iconified page open again. To see that help page, you must re-open the Netscape window. Or, if you click on a Help button to display a different Help window, the page will pop open again.

Questions About Searching Documents

When I click Search from my document, I get an error message

If you see the following message:

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Netscape is unable to locate the server `machineName:9000`
Please check the server name and try again.

The Verity Search engine has been shut down since you opened this document. For example, the Search engine is shut down when you click *Exit* in the CDSDoc Library window or at the top of a document.

You must restart CDSDoc to restart the Search engine. Start `cdsdoc` from your Cadence installation hierarchy as described in [Opening a Library](#) on page 18.

Search did not highlight or let me jump to the text it found

In some instances, you may see any of the following:

- Search did not display the “jump to first match” text
- Search jumped to a blank page
- Search did not highlight the text it found in a file
- The blue arrows to go forward and back between found words did not display

The full-text index used by Search includes all documents for all possible products in a Cadence release. When you install products, only the books for those products are installed. The query string sent to the search engine includes additional parameters limiting the search to just the books installed, or to just those books that you chose to search using the Search form, so that you do not get results for books you do not have or did not choose to search.

Depending on the number of books searched versus the number of available books in the index, the underlying query string sent to the search engine can sometimes exceed the number of characters that the engine can handle and still return the “first match” link, the highlighted words, or the blue arrows in the results file.

If this happens, do any of the following:

- In the files Search finds, use your browser's *Find in File* command to find the specified word(s).
- Ask your system administrator to use `SoftLoad` to install all the documentation associated with the release, even for products you did not purchase.
- Use the `cdsdocIndexer` command to generate a new Search index file for your installed documents (see the section [Adding Your Documents to the Search Index](#) in Chapter 3 of the *CDSDoc Configuration Guide* for details about using this command).

When Search starts, one or more products and one or more books are already selected; why doesn't it default to searching all books?

If you previously clicked on product and/or book names in the Search form to do a search on specific documents, then the next time you open the Search form it will still be set to search only those books or products you previously selected.

Click the *All of the above* buttons under the *Families*, *Products*, and *Books* fields to search all Cadence documents in this release.

The Search page and the Search results page don't show my last query.

The Search page and Search results pages both show the last query you entered by using JavaScript and "cookies." If your browser is set to prevent acceptance of cookies or prevent use of JavaScript, this information will not appear in the pages.

Other possible problems that may also be seen: The Search page is blank, or displays JavaScript code at the top of the page.

To see your previous query in the Search page, set acceptance of cookies on as described [Setting Up Browsers and Helper Applications](#) in Chapter 2 of the *CDSDoc Configuration Guide*.

After I used Search, I clicked my browser's Back button but the page won't go Back.

If you are viewing the Search page and click Back, the page will not return to the document page you were previously viewing. This is because each time you go Back, you reload the Javascript commands that load the Search page. Click and hold the Back button to see a list of the previous documents you have opened, then choose the document you want.

I don't see books in the Search window that I know I've seen before.

There are two possibilities:

- You selected a Cadence Platform grouping or Product grouping that does not contain the book you are looking for. Click the box next to *All* under the *Cadence Platform* and/or *Product* pull-down windows to display all possible Families and Products, and therefore all possible books.
- You were displaying documents in a different Cadence release library, and the book you want is in that library.

To change to another Cadence release, follow the steps in [Changing to a Release You Have Previously Viewed](#) on page 20.

I started Search from a book in my \$HOME/doc or %userprofile%/doc, and I can't see any other books.

If the first book you open from the Library window is from your custom \$HOME/doc (UNIX) or %userprofile%/doc library, then click Search from the navigation bar in that document, the Search window only lists the documents in your custom library. To include other documents from your full library in the search, click search in the Library window.

I opened a document from Search, clicked a link, and now I don't see my highlighted Search matches.

When you open a page from the Search results window, Search creates a temporary copy of the page that includes highlighting on all the words that match your query, and hyperlink buttons that jump between the previous and next matches. If, however, you click a link in the page to another document, or to another point inside this page, your web browser will jump to the original version of the page, without the Search highlights.

To see the highlights again, click your browser's *Back* button.

Questions About Document Appearance

The font size in my Cadence documents is too small / too large. How can I change it?

You control the font size displayed in Cadence documents using your web browser's defaults.

- In Netscape, choose *Edit – Preferences* to display the Preferences dialog. Choose *Appearances – Fonts* and set the font size to a size you prefer.
- In Internet Explorer, use *View – Text Size* to set the font size.

See [Setting Up Browsers and Helper Applications](#) in Chapter 2 of the *CDSDoc Configuration Guide* for more details.

I don't like the fonts displayed for Cadence documents. How can I specify my own?

Cadence documents use your Netscape or Internet Explorer defaults for variable-width fonts (for body text and headings) and fixed-width fonts (for text used in programming code examples).

- In Netscape, choose *Edit – Preferences* to display the Preferences dialog. Choose *Appearances – Fonts* and set the font size to a size you prefer.
- In Internet Explorer, use *Tools – Internet Options* and click on the *Fonts* button to set the font type.

See Setting Up Browsers and Helper Applications in Chapter 2 of the *CDSDoc Configuration Guide* for more details.

Whenever I start Netscape, the colors in my Cadence application look bad.

Cadence applications and Netscape share your system's colormap, that assigns colors to interface objects. If the colors in Cadence windows are difficult to view, you may want to set Netscape to use its own separate colormap. The trade-off is that a separate colormap can cause the screen to “flash” when you move the mouse between Netscape and Cadence applications.

To set the colormap default, see Controlling the Netscape colormap (UNIX only) on page 51.

Questions About Printing Documents

Clicking View/Print PDF displays a dialog box asking about downloading or displaying. How do I suppress this box?

Your browser must be set to use Adobe Acrobat® Reader as its “helper” application whenever you click on a link to a PDF file. See Setting Up Browsers and Helper Applications in Chapter 2 of the *CDSDoc Configuration Guide* for more details.

Clicking View/Print PDF starts Acrobat Reader, but then an error message displays. Why won't the PDF file load?

You must use **version 3.0 or higher** of Acrobat Reader to display Cadence PDF files. Go to Adobe's website at www.adobe.com for instructions about how to download and install Acrobat Reader.

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