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Using Cadence Online Documentation (CDSDoc)

CDSDoc Overview

The Cadence® online documentation system, CDSDoc, lets you view, search, and print Cadence product documentation. It includes:

- A Library window to let you view lists of books by product name, product family, or type of document
- HTML documents that you can open in Netscape (on UNIX and Windows) or Internet Explorer (Windows only)
- A search engine that lets you search all or selected books
- PDF files you can view and print

The following labs cover the search mechanisms and features of CDSDoc versions 2.0 and 2.1.
Labs

The following lab exercises show you how to optimize your access to the documentation:

- Starting the Online Documentation
- Opening Documents
- Changing to a Different Release Library
- Using the Command Bar
- Searching Documents
- Controlling the Search
- Printing Documents
- Viewing Documents from Multiple Releases
- Troubleshooting Problems with CDSDoc
- Reporting Problems or Errors in Manuals
Lab 1: Starting the Online Documentation

This lab shows you two different ways to open Cadence® documentation: one from the software application, and one from the operating system.

Initializing the CDSDoc Library window from the application

Most Cadence applications display pages from the online documentation library when you click the Help button.

1. In the software application, click Help. The document page is loaded into your browser.

2. After the document page opens, click the Library button to open the CDSDoc Library window.
Note: In many applications, you select **Help—Manuals** to directly initialize the CDSDoc Library window.
Initializing the CDSDoc Library window from the operating system

This part of the lab shows you how to open Cadence® documentation directly from your operating system, either UNIX or Windows.

**On a UNIX workstation**

1. Open a shell window.
2. Within your Cadence software installation, change to the `tools/bin` directory by entering:

   ```bash
   cd <release>/tools/bin
   cdsdoc &
   ```

   The documentation library window opens.

**On a Windows Machine**

On a Windows machine, use one of these methods to start the documentation software:

1. Navigate to the `<release>/tools/bin` directory.
2. Double click `cdsdoc.exe`.

   or

3. Select **Start**—**Programs**—**Cadence <release>**—**Online Documentation**.

   The documentation library window opens.
Lab 2: Opening Documents

In CDSDoc version 2.0, you can organize the list of documents by any one of these categories:

**Docs by Family**—Lists each Cadence® product family that you have installed, with related books underneath.

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

**Docs by Type**—Lists these types of documents:

- Known Problems and Solutions (information about software issues)
- Release Notes (summary of changes and improvements in this release)
- Manuals (user guides and reference manuals)

In CDSDoc version 2.1, the Docs by Family category has been replaced by the Docs by Cadence Platform Type category.

**Docs by Cadence Platform**—Lists each Cadence design platform that you have installed, with related books underneath.
1. Select the category of documents you want to view. In this case, select Docs by Product.

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

3. Click the plus widget to expand the chapter titles in a particular document.

4. Double-click the title of the chapter you want to open.

   or
Click to select a title. Then click the **Open** button.

The document appears in your web browser.
Lab 3: 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.

Changing to a Release You Have Previously Viewed

1. In the Library window, click the Active Document Hierarchy (Active Library in CDSDoc 2.1) pull-down.

   ![Active Document Hierarchy]

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

To view documentation of a newly installed Cadence release, you must do one of the following:

- Open the documentation directly from that new release by clicking Help or typing cdsdoc.
or

- Add that release to a list of hierarchies.

To add a release to the list, start CDSDoc from that particular release hierarchy. Then the software updates the list of release hierarchies by including the path of the Cadence release from where you initialized CDSDoc.

After you have opened the library once, its name and path will automatically appear in the Active Document Hierarchy list.
Lab 4: Using the Command Bar

Buttons Description

Library Displays the Cadence documentation window listing all documents in the release.

Contents Goes to a clickable table of contents of the document.

Index Goes to a clickable index of topics that are covered in the document.

< Previous Goes to the previous chapter of the document.

Next > Goes to the next chapter of the document.

View/Print PDF Opens a PDF version of the document for printing.

Search Searches the current document or any document in the Cadence library.

Feedback Sends an e-mail with comments to Cadence about this document.

Help Displays a help file.

Exit Closes the Cadence document and library window. Ends the server process as well.
Lab 5: Searching Documents

1. To search books in the Cadence® library, you can either:
   - Use the Search button at the top of any Cadence online document.
   - Click the Search button in the documentation library window to search books in the Cadence library.

2. Enter a particular word or string that you want to find.

   **Search for:** Layer color
   
   You may include **Boolean operators** such as AND, OR, and NOT

   **Search in:**

   **Families**
   - Affirma
   - Assura
   - Cadence
   - Envisia
   - Intrica
   - Virtuoso

   **Products**
   - Abstract Editor
   - Advanced Analysis Tools
   - Analog Artist
   - Analog Expression Language
   - Analog Library
   - Analog Waveform
   - Analog Workbench
   - AutoAbgen
   - Back Annotation
   - Base Array Editor
   - CAE Views
   - Cadence Application Infrastructure

   **Books**
   - Abstract Editor Reference -- Table of Contents
   - Affirma.Aceo Cycle Simulator Known Problems and Fix
   - Affirma.Aceo Cycle Simulator Product Notes -- Table
   - Affirma.Aceo EEI User Guide -- Table
   - Affirma.Equivalence Checker Known Problems and Fix
   - Affirma.Equivalence Checker Product Notes -- Table
   - Affirma.HyperExtrac Parasitic Extractor 3.4 C Pref
   - Affirma.HyperExtrac Parasitic Extractor Known Fix
   - Affirma.HyperExtrac Parasitic Extractor User Guide
   - Affirma.NS Simulator Configuration Guide -- Table
   - Affirma.NS Simulator Help -- Table of Contents
3 You can restrict the search by reducing the number of manuals to search. This approach gives you more focused results and fewer documents to sift through. You can eliminate products or books that you are not interested in.

You can narrow the number of manuals by selecting particular families, products, or even individual books. This example shows how to search in specific products.

4 Click the Go button. The search displays a list of chapters that contain the string of text.
The chapters are ranked in the order of the number of occurrences of the string relative to the size of the chapter.

5 Click a chapter title to open it.

6 Inside the chapter, click the link that appears at the top of the chapter to jump to the first matching word.
7 Click the blue arrows to view more matches within the document.

Assigning Colors to Incomplete Nets

By default, Virtuoso XL uses the colors you assigned to the Layer Selection Window (LSW) entry layers y0 – y9 to show flight lines. If there are more than 10 incomplete nets in the design, the colors recycle. When you choose Show Incomplete Nets, the colors used are the ones assigned when the command was last used or when the design was last saved.

To assign other than the default colors to the flight lines you specify, follow these steps:

1. In the Incomplete nets list box, select the names of the nets whose color you want to change.
2. In the color choice cyclic field, select the color you want the nets to be.
3. Click Set Color.

Note: As an alternative to the previous two steps, you can find the matches by using the Edit—Find command in your web browser to locate the matching string.
Lab 6: Controlling the Search

This section details the methods to improve a documentation search. For more information, refer to the Cadence Documentation User Guide.

Using Wildcards

You can use wildcards anywhere in a search string to match part of a string. The asterisk (*) matches multiple characters, the question mark (?) matches single characters.

1. Start a new search by clicking the Search button in the library window or in the document.
   
   The search window appears.

2. Enter a string, such as dbCreate* in the Search field.

   ![Search window](image)
   
   Include a wild card, such as * or ?

   You may include wildcard characters (? or *) or use Boolean operators such as AND, OR, and NOT.

   In this case, the search mechanism will find all strings that start with dbCreate, including dbCreatePath, dbCreatePolygon, and dbCreateLabel.

   **Note:** Without the asterisk, the search only looks for an exact match and will not find words that start with the dbCreate stem.

3. To perform advanced pattern-set matching, click the wildcard characters link below the Search field to display the Search help. You can refer to the help for more information about “Operators to Restrict or Expand Word Searches.”

   ![Search window](image)
   
   You may include wildcard characters (? or *) or use Boolean operators such as AND, OR, and NOT.
4  Click **Go** to start the search.

You may include **wildcard characters** (?) or use **Boolean operators** such as AND, OR, and NOT

**Using Operators**

You can refine your search by using Boolean operators (AND, OR, NOT) or special operators. This section gives some examples.

1  Start a new search by clicking **Search** in the library window, or by clicking the Search button in a document.

   The search window appears.

2  Use any of the Boolean operators or one of the special Search operators as part of your Search string.

   To find documents with both *printer(s)* and *CalComp*:

   ```
   printer AND CalComp
   ```

   Here are some more examples:

   - To find documents with *plotter(s)* that do not have *CalComp*:

     ```
     plotter NOT CalComp
     ```

   - To find the word *place* (or placing, places, placed) near the word *route* (or routes, routing, routed):

     ```
     place <NEAR> route
     ```

   - To find only the word *place* near the word *route*:

     ```
     “place” <NEAR> “route”
     ```

   - To find only uppercase *SUBMIT* (not *submit*):
<CASE> SUBMIT

**Note:** If you enter two words without a Boolean, the search looks for a phrase. For example, entering *layer color* searches for the phrase “layer color,” rather than searching for “layer” and “color” in the same document.

There are many other operators available. Click the **Boolean operators** link to display the Search help. Scroll down and read the section about “Advanced Search Operators.”

```
Search for: plotter AND CalComp
You may include wildcard characters (? or *) or use Boolean operators such as AND, OR, and NOT
```

3  Click **Go** to start the search.

```
Search for: plotter AND CalComp
You may include wildcard characters (? or *) or use Boolean operators such as AND, OR, and NOT
```

4  Open documents and find the matches.
Lab 7: Printing Documents

To print a document, open a Portable Document Format (PDF) version of the entire book in Adobe Acrobat Reader. Then choose the pages 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.

   **Note:** You must set up Acrobat Reader 3.0 or higher as the “helper” application for files of type PDF. If clicking the button does not open Acrobat, use **Edit—Preferences** in Netscape to set up Acrobat Reader as your application for PDF files. Internet Explorer automatically loads Acrobat Reader.

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

3. Set the Printer Command field to use an appropriate print command and point to a working printer at your site.

4. Set the Print Range to print all or some of the pages in the PDF file.
Lab 8: Viewing Documents from Multiple Releases

Many designers use more than one Cadence® release. A CDSDoc library is shipped with each release. The individual libraries are separate, but you can move between them using the library window.

1. To move from one Cadence release library to another, click the library path in the Active Document Hierarchy (Active Library in CDSDoc 2.1) of the Library window.

   ![Active Library](image)

   ![CDSDoc 2.1]

   ![Active Document Hierarchy](image)

   ![CDSDoc 2.0]

   **Note:** This pull-down displays names of release libraries that you have viewed in the past.

   If a library is not listed here, you must first open it **once** as described in Starting the Online Documentation. To open a library for a particular release, start CDSDoc from the tools/bin directory for the release, or click a Help button in a window or a form of a product from that release.

2. Click a release title to load the list of documents for that release into the Library window.
Lab 9: Troubleshooting Problems with CDSDoc

If you have problems in using CDSDoc, there are several sources of information. This lab shows you how to find documentation about CDSDoc.

Using CDSDoc to Resolve Configuration and Installation Issues

1. In the Cadence® documentation library window, open the CDSDoc Configuration Guide (under the product CDSDoc, in any product family).

2. In the table of contents, choose Troubleshooting Installation Problems.

   Scroll through the possible issues to see how to address them.

3. In the CDSDoc Configuration Guide, return to the table of contents by clicking the Contents button.

4. Choose After You Install the Documentation.

   Scroll through the section that describes how to send CDSDoc debugging information to Cadence.

5. In the Cadence documentation library window, open the CDSDoc User Guide (under the product CDSDoc, in any product family).

6. In the table of contents, scroll down and choose Troubleshooting Cadence Documents.

   Scroll through the possible issues to see how to address them.

Using the SourceLink Site for Help with CDSDoc

The next steps work only if you have an active SourceLink® account.

1. If you have a SourceLink account, use a browser to go to: http://sourceink.cadence.com

2. Under Releases, click Manuals and Release Information.
Note: If you have set the preferences for your SourceLink account, your custom home page might not include this link. Go to SourceLink Home to access this link.

You see a list of releases.

3 Choose your release.

You see a list of books.

4 Click C to list documents that start with that letter. In CDSDoc 2., look for the *Cadence Documentation User Guide* and the *Cadence Online Documentation Configuration Guide*.

Note: In CDSDoc 2.0, the titles are *CDSDoc User Guide* and *CDSDoc Configuration Guide*.

5 For additional information, you can view the CDSDoc Frequently-Asked Questions (FAQ) from the SourceLink site. Go to:


6 Scroll through the FAQ to read about common issues and how to resolve them.
Lab 10: Reporting Problems or Errors in Manuals

The Feedback command lets you send e-mail directly to Cadence Technical Publications. Use it if you find:

- An error in a manual
- An omission of information in a manual
- A problem displaying documents

If you find a problem with your Cadence® software, contact your Applications Engineer. The Feedback command is only for reporting issues or questions about the documentation.

1. Click the Feedback button at the top or bottom if a document.

   A web form displays the document name, chapter name, and version.

*Please use this form for comments about the documentation*

Regarding:

Document: 002500 User Guide

Chapter/Section: Online Training for O2500

Version: Product version 2.1

Comments:

Your Name:

Phone:
2 In the Feedback form, type your comments.

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

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

An e-mail is sent to Cadence Technical Publications with your message. The message is logged and Publications will file a Product Change Request (PCR) if this is an error or enhancement request. Technical Publications will send you an e-mail within one to three days to answer your question or to inform you that a PCR was filed.