

Mentor[®] Documentation System

Software Version 4.2_0

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Table of Contents

Chapter 1	
Mentor Documentation System	5
InfoHub Help	6
HTML Document Help	6
PDF Bookcase	8
Documentation Directory Structure	9
Documentation Options	10
mgc_doc_options.ini File Format	12
mgc_viewer_config.ini File Format	14
Documentation Environment Variables	15
Hosting Documentation on an Internal HTTP Server	16
Setting Your HTML Preferences	17
Browser Settings	19
Edge	19
Internet Explorer 8.x, 9.x, 10.x, and Newer	20
Firefox 4.x and Newer	20
Chrome 9 and Newer	21
Safari 5.x and 6.x	21
Opera 10x through 12x	22
Chapter 2	
Using Mentor Documentation	23
Document Search	24
Searching All Installed Documents	24
Searching a Specific Product Area Scope of Documents	25
Searching a Custom Set of Documents	25
Searching a Single Document	26
Searching Support Center	26
Search Tips	28
Basic Rules and Tips for Local Search	28
Searching for Commands, Functions, and Options	29
Search Results Refinement	29
Printing HTML Manuals	30
Custom Tab	31
Creating a Custom Page	31
Pointing to a Common customer.js File	33
Appendix A	
Troubleshooting	35
Broken PDF Links in Documentation	35
Internet Explorer Active Content Error	36
Compatibility Mode for InfoHub and HTML Documents	36

No PDF Bookcase Level Search on Linux	38
No Topic-Level Help on Linux	39
Document Not Found.....	40
Cannot Find What I am Searching For	40
About InfoHub.....	40

Chapter 1

Mentor Documentation System


Welcome to the Mentor Documentation System. At the center of the system is the InfoHub that supports both PDF and HTML content. From the InfoHub, you can access all locally installed product documentation, system administration documentation, videos, and tutorials. For PDF-only systems, you have a PDF bookcase file that provides access to all the installed PDF files. Both the InfoHub and the PDF bookcase also provides direct access to Support Center for software downloads, and Knowledge Base articles.

Many of the Mentor software trees contain a large number of documents. To help you find information, the InfoHub and PDF bookcase provide scopes in the left, vertical navigation bar. These scopes are logical groupings of content based on related products within the software tree. You can use these scopes to constrain content when you search locally.

The InfoHub gives you control over the level of search you perform:

- **Local By Scope** — A basic search that you can use to search: all installed documents, only documents within a scope, or custom list of documents (My Document List). This search is constrained to locally installed HTML content. Local content is defined as HTML documents installed in your Mentor software tree in the *docs/htmldocs* directory on your PC or on the network.
- **Support Center** — A web server-based search of Support Center (formerly SupportNet) that you can use to search all documentation, release notes, movies, and Knowledge Base articles that relate to your product.

Video






 [InfoHub Overview](#) — a video on Support Center that provides an overview of the documentation system and features of the InfoHub.

InfoHub Help	6
HTML Document Help	6
PDF Bookcase	8
Documentation Directory Structure	9
Documentation Options	10
mgc_doc_options.ini File Format	12
mgc_viewer_config.ini File Format	14
Documentation Environment Variables	15
Hosting Documentation on an Internal HTTP Server	16
Setting Your HTML Preferences	17

Browser Settings	19
Edge	19
Internet Explorer 8.x, 9.x, 10.x, and Newer	20
Firefox 4.x and Newer	20
Chrome 9 and Newer	21
Safari 5.x and 6.x	21
Opera 10x through 12x	22



InfoHub Help

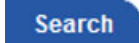














From within the InfoHub, you have a number of buttons to perform actions and navigate.

Icon or Button	Description
	Open the selected document in HTML format for viewing and browsing topics.
	Open the selected document in PDF format for viewing and printing.
	Search the locally installed content or Support Center based on the search scope. The search scope is defined using the buttons below the Search button. For more information on search, refer to “ Document Search ” on page 24.
	Increase or decrease the font size for the InfoHub.
	Filter the search results. You can choose: <ul style="list-style-type: none"> • Exact match of the search word(s). By default, a wildcard is included at the end of each search word. • Do not include synonyms. Some words are defined to be synonyms to each other. • Show only results with the search term in the heading of the topic.

HTML Document Help

From within an HTML document, you have a number of buttons to perform actions and navigate.

Icon or Button	Description
	Displays the list of topics in the current document.
	Displays the list of index entries for the current document. Some documents do not have indexes.

Icon or Button	Description
	Displays the search interface for the current document. Note that this search interface enables you to search only the current document. For a broader search, go to the InfoHub.
 or 	Hide the navigation pane that contains the Topics , Index , and Search tabs. This changes the view to “content only.” To show the sidebar again, click on the Show Sidebar icon or the vertical bar at the far left.
	Show the navigation pane that contains the Topics , Index , and Search tabs, in addition to the topic.
	View the title page of the current document.
	View the next sequential topic within the current document. This is not “clicking history,” but instead a walk-through of the topic hierarchy in a forward, sequential fashion.
	View the previous sequential topic within the current document. This is not “clicking history,” but instead a walk-through of the topic hierarchy in a backwards, sequential fashion.
	Open the InfoHub to navigate to other documentation.
	Send feedback to Mentor Graphics on the current document or topic. Note that this button opens a new browser window and loads a form on Support Center.
	Open the PDF version of the current HTML topic for printing sections, chapters, or the entire document. The same topic only opens if you are viewing the PDF file within a browser window. If your browser is set to open PDF files in a external PDF viewer, the PDF opens to the title page.
	Print the current topic. The navigation pane is not printed.
	Filter the search results. You can choose: <ul style="list-style-type: none"> • Exact match of the search word(s). By default, a wildcard is included at the end of each search word. • Do not include synonyms. Some words are defined to be synonyms to each other. • Show only results with the search term in the heading of the topic.
	Display the previous topic on the results list.
	Display the next topic on the results list.
	Turn off or on the highlighting of search term(s).

PDF Bookcase

For some Mentor PDF documentation, you have a PDF bookcase file that provides access to all the installed PDF files. This bookcase file also provides access to Support Center for software downloads, and Knowledge Base articles.

If you use Adobe Reader to view PDF files, you can perform searches across of the entire set of PDF manuals or just one PDF manual. Other third-party PDF viewers have different levels of search support. Opening a PDF manual within a browser may not support book-to-book links.

Figure 1-1. Example Calibre PDF Bookcase



When viewing PDF files within a web browser, the PDF viewer plug-ins cause some links not to function. For example, links between documents. Use HTML for full navigation and search.

Related Topics

[Broken PDF Links in Documentation](#)

Documentation Directory Structure

The typical Mentor Documentation System has a standard directory structure.

The documentation directory is either named *docs*, *doc*, or *shared*. This *docs* directory is self-contained and portable, in that, all links between documents (PDF and HTML) are relative. Thus, you can copy the *docs*, *doc*, or *shared* directory to your computer and use it outside of the software tree.

```
{root of product tree}
|
|-- bin
|   |-- mgcdocs (UNIX or Linux only)
|
|-- docs|doc|shared
|   |-- data
|   |-- htmldocs
|       |-- {handleA}
|       |-- {handleB}
|
|   |-- infohubs
|       |-- index.html
|       |-- {ih_handle1}_ih
|       |-- {ih_handle2}_ih
|
|   |-- legal
|
|   |-- mgc_doc_options.ini
|   |-- videos
|       |-- {handleM}
|       |-- {handleM}.html
|
|   |-- pdfdocs
|       |-- {handleA}.pdf
|       |-- {handleB}.pdf
```

For the board system flow-based releases, such as EE, BSXE, IND, and PADS, the Mentor Documentation System has a modified upper-tree directory structure. The top level of the documentation tree is a sibling to the \$SDD_HOME directory. For example:

```
MentorGraphics ($SDD_ROOT)
|
|-- 7.9.2EE
|   |-- MGC_HOME.{vco} ($MGC_HOME)
|   |-- SDD_HOME ($SDD_HOME)
|   |-- docs
```

Documentation Options

Mentor applications support a set of variables that control different aspects of your access to the Mentor Documentation System. These documentation variables control the default HTML browser and the default PDF reader.

For some releases, an alternate location of the documentation tree is supported. For example, you can copy the documentation tree from your software tree to another location such as to a web server that is internal to your company's network and then use a documentation variable to specify that location.

To use the documentation options and variables, you specify them in the *mgc_doc_options.ini* file, *mgc_viewer_config.ini* file, or the system level environment variables. You must create these files and place them in specific locations.

- ***mgc_doc_options.ini*** — Controls the options for the specific documentation tree and software install. It is located at the top of the *docs*, *doc*, or *shared* directory in the installed software tree. The *mgc_doc_options.ini* file specifies where the software finds the documentation and which PDF and HTML viewer to use. This file is optional, and any of the three variables is optional. The file uses the following format:

```
# Comment line.  
MGC_ALT_DOC_PATH=" <alternate_path>"  
MGC_HTML_BROWSER=" <browser_executable_path>"  
MGC_PDF_READER=" <viewer_executable_path>"
```

- ***mgc_viewer_config.ini*** — Controls the default viewer options for all Mentor documentation trees. It is located in *C:\users\<username>\AppData\Local\MentorGraphics* on Windows and */home/<username>/* on Linux. The *mgc_viewer_config.ini* file (*.mgc_viewer_config.ini* on Linux) defines only the PDF and HTML viewers that the software uses. This file enables you to specify different viewers from those defined for an entire organization in the *mgc_doc_options.ini* file that is located in the software tree. The viewers that you specify in the *mgc_viewer_config.ini* file also override the viewers that your system uses for *.pdf* and *.html* file-type associations.

This file cannot specify where the software finds an alternative documentation tree. You define that location in the *mgc_doc_options.ini* file.

The *mgc_viewer_config.ini* file uses the following format:

```
# Comment line.  
MGC_HTML_BROWSER=" <browser_executable_path>"  
MGC_PDF_READER=" <viewer_executable_path>"
```

- **environment variables** — Controls the default viewer options for all Mentor documentation trees. Previous releases of the Mentor Documentation System supported environment variables; however their use has changed. The preferred method is to use the *mgc_viewer_config.ini* file.

mgc_doc_options.ini File Format	12
mgc_viewer_config.ini File Format	14
Documentation Environment Variables	15

mgc_doc_options.ini File Format

Input for: Mentor Documentation System

Location: Top of the *docs*, *doc*, or *shared* directory in the installed software tree.

Controls the location where the software looks for the documentation tree and the default PDF and HTML viewers.

Format

A *mgc_doc_options.ini* file must conform to the following restrictions:

- Comments begin the line with the pound sign (#). If the line wraps, use an additional pound sign.
- One line per variable.

```
# Comment line.  
MGC_ALT_DOC_PATH="<alternate_path>"  
MGC_HTML_BROWSER="<browser_executable_path>"  
MGC_PDF_READER="<viewer_executable_path>"
```

Parameters

- **MGC_ALT_DOC_PATH**

Specifies an alternate location of the product documentation tree. The default location for the documentation directory is *<install_dir>/docs | doc | shared*. You set this variable to the full path of a valid Mentor documentation tree (*docs | doc | shared*) containing *infohubs*, *htmldocs*, and *pdfdocs* sub-directories. Do not include the directories: *infohubs*, *htmldocs*, or *pdfdocs* as part of the path value.

- **MGC_HTML_BROWSER**

Specifies the web browser to use for displaying HTML documentation; used to override the default order of browser selection. The default browser is determined differently on Windows versus Linux.


- Windows: Your default browser setting is determined from the registry. You set this variable to the full path of a supported web browser executable.
- Linux: The PATH variable is searched for a browser using the following order: firefox, mozilla, and then netscape. You set this variable to either the full path of a supported web browser executable, or simply to the name of the browser executable (if it can be found with the Unix/Linux PATH variable).

- **MGC_PDF_READER**

Specifies the PDF viewer to use for displaying PDF documentation when it is opened directly from the Mentor product. The default browser is determined differently on Windows versus Linux.

- Windows: Your default PDF viewer (typically AcroRd32.exe) is determined from the registry. You set this variable to the full path of a PDF viewer.
- Linux: The PATH variable is searched for a PDF viewer (typically acroread). You set this variable to either the full path of a supported PDF viewer executable, or simply to the name of the viewer executable (if it can be found with the Unix/Linux PATH variable).

Note

 The MGC_PDF_READER variable does not control the PDF viewer used from the InfoHub (**Open PDF** button). That viewer is controlled by the browser's "helper application" settings.

Examples

Use the following examples to set the path to the alternate access location for the *docs* directory:

- Windows

```
MGC_ALT_DOC_PATH="Z:\EE_7.9.2\docs"
```

- Linux/UNIX

```
MGC_ALT_DOC_PATH="/usr/local/mgc/EE_7.9.2/docs"
```

- Web server

```
MGC_ALT_DOC_PATH="http://server1/EE_7.9.2/docs"
```

Use the following examples to set the default web browser for the Mentor HTML content:

- Windows

```
MGC_HTML_BROWSER="C:\Program Files\Mozilla Firefox\firefox.exe"
```

- Linux/UNIX

```
MGC_HTML_BROWSER="/usr/local/bin/firefox"
```

Related Topics

[Documentation Options](#)

[mgc_viewer_config.ini File Format](#)

[Documentation Environment Variables](#)

[Hosting Documentation on an Internal HTTP Server](#)

[Browser Settings](#)

mgc_viewer_config.ini File Format

Input for: Mentor Documentation System

Location:

- Windows — `C:\users\<username>\AppData\Local\MentorGraphics\`
- Linux — `/home/<username>/`

Controls the default PDF and HTML viewers for all installed documentation trees for the specific user.

Format

A `mgc_viewer_config.ini` file must conform to the following restrictions:

- Comments begin the line with the pound sign (#). If the line wraps, use an additional pound sign.
- One line per variable.

```
# Comment line.  
MGC_HTML_BROWSER="<browser_executable_path>"  
MGC_PDF_READER="<viewer_executable_path>"
```

Parameters

- **MGC_HTML_BROWSER**

Specifies the web browser to use for displaying HTML documentation; used to override the default order of browser selection. The default browser is determined differently on Windows versus Linux.

- Windows: Your default browser setting is determined from the registry. You set this variable to the full path of a supported web browser executable.
- Linux: The PATH variable is searched for a browser using the following order: firefox, mozilla, and then netscape. You set this variable to either the full path of a supported web browser executable, or simply to the name of the browser executable (if it can be found with the Unix/Linux PATH variable).


- **MGC_PDF_READER**

Specifies the PDF viewer to use for displaying PDF documentation when it is opened directly from the Mentor product. The default browser is determined differently on Windows versus Linux.

- Windows: Your default PDF viewer (typically AcroRd32.exe) is determined from the registry. You set this variable to the full path of a PDF viewer.
- Linux: The PATH variable is searched for a PDF viewer (typically acroread). You set this variable to either the full path of a supported PDF viewer executable, or

simply to the name of the viewer executable (if it can be found with the Unix/Linux PATH variable).

Note

 The MGC_PDF_READER variable does not control the PDF viewer used from the InfoHub (**Open PDF** button). That viewer is controlled by the browser's "helper application" settings.

Examples

Use the following examples to set the default web browser for the Mentor HTML content:

- Windows

```
MGC_HTML_BROWSER="C:\Program Files\Mozilla Firefox\firefox.exe"
```

- Linux/UNIX

```
MGC_HTML_BROWSER="/usr/local/bin/firefox"
```

Related Topics

[Documentation Options](#)

[mgc_doc_options.ini File Format](#)

[Documentation Environment Variables](#)

[Browser Settings](#)

Documentation Environment Variables

Previous releases of the Mentor Documentation System supported environment variables; however their use has changed.


The MGC_DOC_PATH environment variable was previously available at the OS level to set the location for the documentation system. This variable should not be used because it will set the location for all installed documents, which exists in multiple software trees. The *mgc_doc_options.ini* file replaces this environment variable. For more information, refer to “[Documentation Options](#)” on page 10.

The MGC_HTML_BROWSER, and MGC_PDF_READER still function properly at the OS level, and can be set, if you are not using the *mgc_doc_options.ini* file.

- **MGC_HTML_BROWSER** — Specifies the web browser to use for displaying HTML documentation and is used to override the default order of browser selection.
 - Windows: Your default browser setting is determined from the registry. You set this variable to the full path of a supported web browser executable. For example, set MGC_HTML_BROWSER to “*C:\Program Files\Mozilla Firefox\firefox.exe*”.

- Linux: The PATH variable is searched for a browser using the following order: firefox, mozilla, and then netscape. You set this variable to either the full path of a supported web browser executable, or simply to the name of the browser executable (if it can be found with the Unix/Linux PATH variable). For example, set MGC_HTML_BROWSER to “chromium”.
- **MGC_PDF_READER** — Specifies the viewer to use for PDF documentation. You set this variable to the full path of the Acrobat executable. This variable replaces \$MGC_HELP_VIEWER.
 - Windows: Your default PDF viewer (typically AcroRd32.exe) is determined from the registry. You set this variable to the full path of a PDF viewer. For example, set MGC_PDF_READER to “C:\Program Files\Adobe\Acrobat 7.0\Reader\AcroRd32.exe”.
 - Linux: The PATH variable is searched for a PDF viewer (typically acroread). You set the MGC_PDF_READER variable to either the full path of a supported PDF viewer executable, or simply to the name of the viewer executable (if it can be found with the Unix/Linux PATH variable). For example, set MGC_PDF_READER to “/opt/Acrobat7/bin/acroread”.

Note

 You can no longer download Adobe Reader for Linux; other third-party viewers are available. Third-party PDF viewers have different levels of search support, especially on Linux.

Related Topics

[Documentation Options](#)

[mgc_doc_options.ini File Format](#)

[mgc_viewer_config.ini File Format](#)

[Hosting Documentation on an Internal HTTP Server](#)

[Browser Settings](#)

Hosting Documentation on an Internal HTTP Server

You can serve all the documentation for a release on an internal-only web host.

Modern browsers have implemented security restrictions that, by default, prevent JavaScript from accessing local files without an HTTP server. Because InfoHub is a JavaScript-driven system that accesses locally installed files, it cannot fully function unless you configure your browser to enable JavaScript to run on local files. One way you can get around this issue, without changing your browser’s security settings, is to host the Mentor documentation on an

HTTP server that is available from within your company's firewall (not available outside of your internal network).

Procedure

1. Copy the documentation from your software tree to an internal HTTP server.

Typically, you would copy the *docs* directory. It is recommended that you create a directory named for the release, such as *ee_7.9.5* or *calibre_2013.4*, and place the new *docs* directory inside. This way you can have multiple documentation trees copied from multiple Mentor releases available on the HTTP server.
2. Confirm that your new *docs* directory on the web-server contains the *infohubs*, *htmldocs*, and *pdfdocs* directories, along with any other files and directories that were in the *docs* directory of your original software tree.
3. Create a file named *mgc_doc_options.ini* and place it in the *docs* directory of your original software tree.
4. Add the MGC_ALT_DOC_PATH variable to the file and specify the "http://" path to the documents copied to your internal web-server. For more details and examples, refer to "[mgc_doc_options.ini File Format](#)" on page 12.
5. Test the setup by invoking a product in the software tree and accessing the documentation through the **Help** menu.

Related Topics

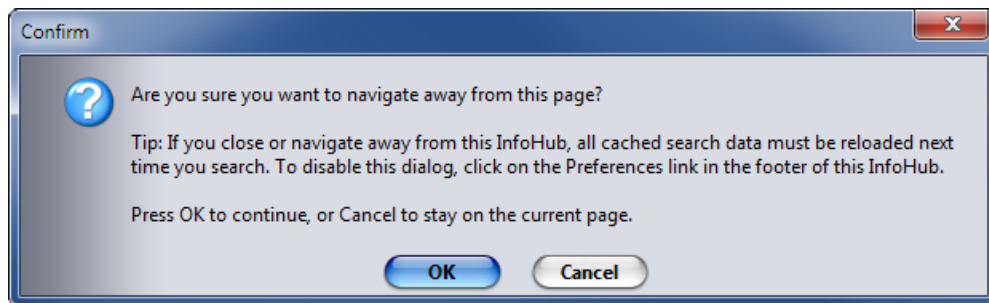
[mgc_doc_options.ini File Format](#)

Setting Your HTML Preferences

You can set defaults for the behavior of the HTML content.

When you submit your initial search in InfoHub, there is a delay before the search results appear. All subsequent searches are not subject to this delay, and the search results will appear instantly. As long as you keep your InfoHub browser window or tab open, all searches after the initial search are instantaneous. If you experience slow performance with your initial InfoHub search, we recommend that you keep your InfoHub browser window or tab available throughout

the day. If you try to close your InfoHub window or tab, you will receive a confirmation message:



Procedure

1. Click the **Preferences** item in the footer of the InfoHub web page to open the InfoHub Preferences dialog.
2. Click the check box to turn off the confirmation dialog.
3. Click **Save**.

Related Topics

[Documentation Options](#)

Browser Settings

Verify that your browser version is supported and that you have the required browser settings for accessing and viewing the Mentor Documentation System (including InfoHub), and Support Center.

Tip

i The InfoHub and HTML documents will not fully function unless the browser settings enable JavaScript to run. Without JavaScript enabled, the InfoHub and HTML documents fall back to a Compatibility Mode, with only single navigation and no search capability.

If you are using one of the following unsupported browsers, follow the remedy.

Unsupported Browsers	Remedy
Firefox 1.x	Upgrade to version 3.x or newer
Internet Explorer 5.x, 6.x, 7.x	Upgrade to version 8.x or newer. You can also use Microsoft Edge.
Mozilla 1.x	No longer supported by Mozilla, upgrade to Firefox.
Netscape 4.x, 6.x, 7.x, 8.x, and 9.x	Upgrade to Firefox.
Opera 6.x, 7.x, 8.x, and 9.x	Upgrade to the 10.x or newer.

Tip

i *Viewing PDF files* — PDF files do not fully function when viewed within a web browser due to browser plug-in security restrictions. Use the HTML version of the documentation to fully navigate and search. You can also navigate to the documentation tree and view the PDFs using a PDF Viewer, such as Adobe Reader.

Following is a list of supported browsers for viewing the HTML documentation:

Edge	19
Internet Explorer 8.x, 9.x, 10.x, and Newer	20
Firefox 4.x and Newer	20
Chrome 9 and Newer	21
Safari 5.x and 6.x	21
Opera 10x through 12x	22

Edge

Set up Edge options to properly access and view the InfoHub and Support Center.


Procedure

At this time, no action is needed within Edge to set options in order to view or use the InfoHub and HTML documentation.

Internet Explorer 8.x, 9.x, 10.x, and Newer

Set up Internet Explorer options to properly access and view the InfoHub and Support Center.

Note

 Internet Explorer 7.x uses an older generation JavaScript interpreter. Thus, it is significantly slower loading the search data and navigating around the InfoHub and HTML documents. It is recommended that you update to a newer version of Internet Explorer, Edge, Firefox, or Chrome.

Procedure

1. Choose **Tools > Internet Options** menu item, then set the options.
2. If you are running Windows 7, Vista, or Windows XP Service Pack 2 or later, perform the following: on the **Advanced** tab, select “Allow active content to run in files on My Computer” in order for the InfoHub and HTML documents to fully function.

If you do not want to change the security setting for the active content on My Computer, you can alternately host the documentation on an internal web-server. Refer to “[Hosting Documentation on an Internal HTTP Server](#)” on page 16.
3. On the **Security** tab, select the “Internet” Web content zone, then click **Custom Level**. “Enable” the following Scripting options: Active Scripting and Scripting of Java Applets. Under **User Authentication > Logon**, choose either “Automatic logon only in Intranet zone” or “Prompt for user name and password”. Click **OK**.
4. On the **Security** tab, select the “Local intranet” Web content zone, then duplicate the settings made in step 2.
5. On the **Privacy** tab, set the Automatic cookie handling setting to a level that will accept session cookies (try Medium), or use the Advanced options to override automatic settings. Session cookies are required for opening a Service Request on Support Center.
6. Click **OK**.


Firefox 4.x and Newer

Set up Firefox options to properly access and view the InfoHub and Support Center.

Prerequisites

If you are using a version of Firefox that is in the range of v4 to v22, you need to confirm your settings. Otherwise, if you are using Firefox v23 and newer, it functions with the default settings.


Procedure

1. Choose **Firefox**  menu and then the **Options** menu item to set the options.
2. For older versions, under the Content option, verify that “Enable JavaScript” is selected.
3. Under the Privacy option, choose the History dropdown item “Use custom settings for history.” Choose “Accept cookies from sites,” if not already selected.
4. Click **OK**.

Chrome 9 and Newer

Set up Chrome options to properly access and view the InfoHub and Support Center.

Note

 When using Google Chrome to access Mentor HTML documents from the local file system (file://), inter-frame communication with JavaScript is disabled for security purposes. Most features of the HTML documents are still functional, including navigation and search. The following features that depend on inter-frame communication are disabled: open to PDF topic, print topic, breadcrumbs bar, resizing of text, highlighting of search results, and TOC highlighting in the left sidebar. To enable all features, you can host the documentation on an HTTP server or use Firefox.

Procedure

1. Click **Customize and control Google Chrome** (Menu button), then set the options.
2. Choose **Settings** and click on the “Show advanced settings” link at the bottom of the page, or **Options > Under the Hood > Privacy** item, depending on your version of Chrome.
3. Scroll to Privacy section and click **Content settings**.
4. Under JavaScript, verify that “Allow all sites to run JavaScript,” is selected.
5. Click **Done** or the **X** in the upper right corner to accept the changes.

Safari 5.x and 6.x

Set up Safari options to properly access and view the InfoHub and Support Center.

Procedure

1. Choose **general Safari settings** (Gear button) > **Preferences** menu item, then set the options.
2. Choose the **Security** tab.
3. Under Web Content, set “Enable JavaScript”.
4. Click the **X** in the upper right corner to accept the changes.

Opera 10x through 12x

Set up Opera options to properly access and view the InfoHub and Support Center.

Procedure

1. Choose **Tools > Preferences** menu item, then set the options.
2. Open the **Advanced** tab, and under the Content item, verify that the “Enable JavaScript” option is selected.
3. In the **Advanced** tab, click on the **Style options** button and verify that the following options are enabled: “Enable frames” and “Enable inline frames.” Click **OK**.
4. Under the **Cookies** item, select “Accept cookies.”
5. Click **OK**.

Chapter 2

Using Mentor Documentation

The InfoHub documentation system provides a number of methods for accessing content, including search, indexes, printing, and adding a custom tab.

Document Search	24
Searching All Installed Documents	24
Searching a Specific Product Area Scope of Documents	25
Searching a Custom Set of Documents	25
Searching a Single Document	26
Searching Support Center	26
Search Tips	28
Basic Rules and Tips for Local Search	28
Searching for Commands, Functions, and Options	29
Search Results Refinement	29
Printing HTML Manuals	30
Custom Tab	31
Creating a Custom Page	31
Pointing to a Common customer.js File	33

Document Search

From the Search box within the InfoHub banner, you can perform a local, keyword-based search of all documents, documents by scope, or use a custom list of documents (My Document List). These documents include all Mentor HTML content in your software tree. You can also perform a search of a single document from the **Search** tab within an HTML document.

The results display topics from highest probability to lowest probability, in descending order, based on the weighting and number of times the text string is found within that topic. You can change the results list to filter the results using the **Filter Results** button in the search results. You can also perform a web server-based search on Support Center. For more information on composing search terms, refer to “[Search Tips](#)” on page 28.

You can use any of these methods to control the scope of the content you search:

Searching All Installed Documents	24
Searching a Specific Product Area Scope of Documents	25
Searching a Custom Set of Documents	25
Searching a Single Document	26
Searching Support Center	26

Searching All Installed Documents

When you are unsure which document contains the content you are looking for, search all locally installed HTML content from the InfoHub.

Procedure

1. Open the InfoHub.
2. Select the **All <release_name> Installed Docs** scope in the left sidebar.
3. In the Search text box, enter your search keywords.
4. Click the **Search** icon. The search pane opens with your search results shown. If this is the first search during this InfoHub session, the search data is loaded for the documents.
5. Click the **Filter Results** button to further constrain the results.

Related Topics

[Search Tips](#)

[Searching a Specific Product Area Scope of Documents](#)

[Searching a Custom Set of Documents](#)

[Searching a Single Document](#)

[Searching Support Center](#)

Searching a Specific Product Area Scope of Documents

To narrow your search to a related set of documents in the specified InfoHub scope, choose the InfoHub “Local by Scope” option. This is particularly useful for a release with a large number of documents.

Procedure

1. Open the InfoHub.
2. Choose a specific InfoHub scope in the left sidebar.
3. In the Search text box, enter your search keywords.
4. Click the **Search** icon. The search pane opens with your search results shown. If this is the first search during this InfoHub session, the search data is loaded for the documents.
5. Click the **Filter Results** button to further constrain the results.

Related Topics

[Search Tips](#)

[Searching All Installed Documents](#)

[Searching a Custom Set of Documents](#)

[Searching a Single Document](#)

[Searching Support Center](#)

Searching a Custom Set of Documents

If you are familiar with the set of documents you typically use and want to limit your search to just those documents, use this option.

Procedure

1. Open the InfoHub.
2. Select the **My Document List** in the left sidebar.
3. Click the **Edit List** button on the lower right of the dialog to set your custom list of documents. The Edit My Document List dialog opens.
4. Pick the documents you want in your search scope by using the arrows or double-clicking on the title, and click **Save**.
5. In the Search text box, enter your search keywords.
6. Click the **Search** icon. The search pane opens with your search results shown. If this is the first search during this InfoHub session, the search data is loaded for the documents.

7. Click the **Filter Results** button to further constrain the results.

Related Topics

[Search Tips](#)

[Searching All Installed Documents](#)

[Searching a Specific Product Area Scope of Documents](#)

[Searching a Single Document](#)

[Searching Support Center](#)

Searching a Single Document

If you know what document should have the answer, search within that document.

Procedure

1. Open a document from within the InfoHub by clicking
2. Open the search box using one of the following methods: **Open HTML** or **Open PDF** from a list box. You can also click the **PDF** icon in an open HTML document.

If you want to...	Do the following:
Search HTML	Click the Search tab from within the desired HTML manual.
Search PDF	Click the Search icon in the banner within Adobe Reader.

3. Enter the text string to search for and click the **Search** icon. Your search results show in the sidebar.

Related Topics

[Search Tips](#)

[Searching All Installed Documents](#)

[Searching a Specific Product Area Scope of Documents](#)

[Searching a Custom Set of Documents](#)

[Searching Support Center](#)

Searching Support Center

If you cannot find your answer, you can use InfoHub to submit a search directly to Support Center. This powerful web server-based search enables you to search all your product

documentation, plus Knowledge Base articles, videos, and release notes for update releases and patches.

Procedure

1. Enter your search keywords within the InfoHub search text box.
2. Select the Support Center option below the search text box. This option requires a SupportNet login to view results.
3. Click the **Search** icon to direct the search to Support Center. The results page opens on Support Center. This search is automatically constrained to the product(s) documented within your current InfoHub scope.

Related Topics

[Search Tips](#)

[Searching All Installed Documents](#)

[Searching a Specific Product Area Scope of Documents](#)

[Searching a Custom Set of Documents](#)

[Searching a Single Document](#)

Search Tips

Use these topics to understand and improve your local, HTML search results.

For information on performing different levels of searches within HTML document or on Support Center, refer to “[Document Search](#)” on page 24.


Basic Rules and Tips for Local Search	28
Searching for Commands, Functions, and Options	29
Search Results Refinement	29

Basic Rules and Tips for Local Search

Use these rules and tips to improve your search results.

- **Wildcards** — Use wildcards at the beginning or end of a word. Search automatically includes a wildcard after each word you enter in order to display stemming results (-ing, -ed, plurals, and so on), except when the “Exact match of search words” filter is enabled. For example, to include hits on the plural form of “instance”, you would enter “instance*” (or just “instance” due to the default wildcard at the end). Results returned include: instance, instances, and instanced. To also search for “instantiate” and “instantiation”, you could enter “instan*”. Note that the question mark (?) wildcard is not supported.

Note

 If you begin your search word with an asterisk (*), all words in the search database must be scanned for a potential match. This can take significantly longer than a search where you specify the beginning characters of the word.

- **Phrases** — Search phrases are not supported. Quotes have no effect on search. The results list first contains topics with all of the specified words, although not necessarily as an exact phrase. Next in the results list are topics with all but one of the words, then topics with all but two of the words, and so on. You can search for phrases on Support Center.
- **Letter case** — Do not search based on letter case. The search engine is not case sensitive.
- **Special characters** — Single or double quotes have no effect on search and are not searchable.
 - Special characters that are typically part of software language keywords or commands can be included in search words. Examples of these characters are: dollar sign (\$), period (.), colon (:), pound (#), and dash (-).

- Some special characters are treated as white space and are not searchable. If they are submitted in the search, they are automatically stripped before the search occurs. These characters include: < > + = , ? ! ; | @ ~ " ^ { } [] () / \
- Also see “[Searching for Commands, Functions, and Options](#)” on page 29.
- **Exclude words** — Some common language words are excluded from search. Computer terms included in this list are: and, do, else, if, or, then, to, when, and while, unless they appear in the heading of a reference page.
- **Multiple words** — Enter multiple keywords. The results list contains topics with all of the specified words first, although not necessarily as an exact phrase. Next in the list, topics with all but one of the words are listed, then topics with all but two of the words, and so on.

Related Topics

[Document Search](#)

Searching for Commands, Functions, and Options

You can quickly search for commands, functions, and properties.

Procedure

1. Enter “command_name”, “\$function_name()”, “\$function_name”, “function_name()” or just “function_name” and click the **Search** icon.
2. If you do not see a match on the first page, click **FilterResults**.
3. Choose the “Search within topic headings only” option.
4. Click **Apply Filter**. The results are filtered to only show headings of topics and reference pages that contain the specified terms.
5. When searching for options, you can include the leading special character or omit it. For example, when searching for a command switch, you can enter -switch_name or switch_name.

Related Topics

[Document Search](#)

Search Results Refinement

Sometimes you may not find what you are seeking. There are several methods for improving your search results.

- First, try broadening the search by selecting the **All <release_name> Installed Docs** scope and resubmitting the search. For additional information, refer to “[Searching All Installed Documents](#)” on page 24.
- If you have too many results you can select a different InfoHub scope, define a custom **My Documents List** scope, or use the **Filter Results**. For additional information, refer to “[Searching a Specific Product Area Scope of Documents](#)” on page 25 or “[Searching a Custom Set of Documents](#)” on page 25.
- You can also open a single document from the list and re-issue the search within the document’s **Search** tab. For additional information, refer to “[Document Search](#)” on page 24.
- If you still cannot find what you are seeking, you can use InfoHub to submit a web server-based search directly to Support Center. For additional information, refer to “[Searching Support Center](#)” on page 26.

Related Topics

[Document Search](#)

Printing HTML Manuals

You can print a topic, section, chapter, or entire manual.

Procedure

1. Open the HTML document, if not already open.
2. Choose the amount of content you want to print using one of the following methods:

If you want to...	Do the following:
Print the currently displayed topic within HTML	<ol style="list-style-type: none">1. Click the Print icon in the topic banner of the HTML file. The browser Print dialog box opens.2. Click OK. Only the topic body is printed; the sidebar is not printed.
Print a section, chapter or entire manual	<ol style="list-style-type: none">1. Click the PDF icon in the topic banner. Your PDF viewer opens and displays the PDF version of the current document.2. Choose Print.3. Specify the range of pages to print and click OK.

Custom Tab

By default, the InfoHub displays the **Custom Info** tab. You can change the name of this tab and define links to your company's process and design documents. The information on the custom tab is visible in all InfoHub scopes within the same installed Mentor software tree release or flow.

Note

 Neither the content on the actual **Custom Info** tab nor anything that it links to is searchable from the InfoHub.


Creating a Custom Page	31
Pointing to a Common customer.js File	33

Creating a Custom Page

If you are creating a web page on the custom tab within the InfoHub, you can create links to your PDF or HTML content. These links can be individual links or grouped within list boxes that use the same data format that is used in the other areas of the InfoHub.

All of these customizations are stored in a *customer.js* file in your documentation tree. You can also create one *customer.js* file that is referenced from all software trees that need the same custom tab content.

Note

 Due to browser security restrictions, you can no longer embed and display a web page within the **Custom Info** tab area. You can still add specific URL links with the **Custom Info** tab for quick access to pertinent information.

Prerequisites

An administrator login is required to copy the resulting file to other computers.

Procedure

1. Navigate to the location in the Mentor software tree that contains the InfoHub, using your appropriate OS command. Change directories to one of these locations (dependent on your software):
 - `<path_to_MGC_tree>/docs/infohubs/mgc_ih/js`
 - `<path_to_MGC_tree>/doc/infohubs/mgc_ih/js`
 - `<path_to_MGC_tree>/shared/infohubs/mgc_ih/js`
2. With administrator login, copy the *customer_orig.js* file to a new file named, *customer.js*.

By copying this file to a new name, you preserve the software tree and ensure that your customizations will not get overwritten if you install a patch. You can also copy the *customer.js* file to a new release tree.

3. Open the *customer.js* file in a text editor (Windows format).
4. To enable the tab, change the value of the `IHTab_Custom.fVisible()` function to “true”.

```
26 //  
27 // Change value below from 'false' to 'true' to display custom tab  
28 IHTab_Custom.fVisible( false );  
29 //
```

5. Set the name of the tab to an appropriate title, like “Company_name Processes” or “Company_name Information,” by changing the value of the `IHTab_Custom.fSetTitle()` function.

```
29 //  
30 // Change "Custom Info" text to customize tab title  
31 IHTab_Custom.fSetTitle( "Custom Info" );  
32
```

6. Add content to the custom tab area using the examples in the *customer.js* file. You can group your sets of links into different topics. Within those topics, you can create lists of links in a scrollable box or create them as individual links. Use the comments in the file to help you create these links.

```
38 //  
39 Entry = new TabEntry_Object( "Title 1", "info.jpg" ); // Sets title and icon for entry  
40 Entry.fAddLink( "Link 1", "url1" ); // Adds link to entry  
41 Entry.fAddLink( "Link 2", "url2" ); // Adds another link  
42 IHTab_Custom.fAddEntry( Entry );  
43  
44 Entry = new TabEntry_Object( "Title 2", "flow.jpg" ); // Sets title and icon for entry  
45 List = new List_Object(); // Creates new listbox  
46 List.fAddItem( "Item 1 Title", "url3" ); // Adds item to listbox  
47 List.fAddItem( "Item 2 Title", "url4" ); // Adds another item to listbox  
48 Entry.fAddList( List ); // Adds listbox to entry  
49 IHTab_Custom.fAddEntry( Entry ); // Adds entry to tab  
50  
51 Entry = new TabEntry_Object( "Title 3", "info.jpg" ); // Sets title and icon for entry  
52 Entry.fAddLink( "Link 3", "url5" ); // Adds link to entry  
53 Entry.fAddLink( "Link 4", "url6" ); // Adds link to entry  
54 List = new List_Object(); // Creates new listbox  
55 List.fSetTitle( "Listbox Title" ); // Sets title for listbox  
56 List.fAddItem( "Item 3 Title", "url7" ); // Adds item to listbox  
57 List.fAddItem( "Item 4 Title", "url8" ); // Adds item to listbox  
58 Entry.fAddList( List ); // Adds listbox to entry  
59 IHTab_Custom.fAddEntry( Entry );  
60
```

7. Save the *customer.js* file and open any InfoHub within this software tree and click the “custom” tab to view the example entries. Sometimes you may need to reload the InfoHub to force the JavaScript in the *customer.js* to be re-read by the browser.



Pointing to a Common customer.js File

If you have many Windows, Linux, or UNIX installations of a Mentor software tree and want to use the same custom tab for all the software trees, you can define a common *customer.js* file. This method enables you to edit one version of the *customer.js* file for all your Mentor software trees.

Note

Due to browser security restrictions, you can no longer use a file path to reference a common *customer.js* file. You must have that common *customer.js* file reside on a web server that can be referenced through a URL.

Prerequisites

- Before defining a reference to a common *customer.js* file, ensure you have followed the instructions in “[Creating a Custom Page](#)” on page 31 to create the contents of the common *customer.js* file that will be referenced by all the trees.

Procedure

1. Copy the *customer.js* file to an internal network web server location that is accessible to all the software trees. This location must be accessible through a URL. You may also want to change its name to “<release_name>_customer.js” to help differentiate it from other files for other releases. Remember that this is the main, common *customer.js* file.
2. Create a new pointer *customer.js* file that will be placed into each of your installed software trees. The purpose of this *customer.js* file is to point to the common *customer.js* file you placed in the common location.
 - a. Log in as administrator.
 - b. Copy the *customer_orig.js* file to a new file named, *customer.js*.
3. Open this new *customer.js* file in a text editor (Windows format).
4. Change the value of IHTab_Custom.fVisible function to “true”.
5. Change the value of the IHTab_Custom.fSetTitle function to match the tab display name in the common *customer.js* file you are referencing.
6. Remove all of the code between lines 38 and 60 that defines individual entries.
7. Uncomment and define the URL to the common *customer.js* file to use within the custom tab of the InfoHub by changing the value of the SetCustomerJS() function.

```
SetCustomerJS( "http://web_server/path/customer.js" );
```
8. Save the *customer.js* file (the pointer file) and copy it to each of the installed Mentor Graphics software trees that you want to use your common <release_name>_customer.js file.
9. Now you can make edits in the common *customer.js* file, and users will see the change in the content of the custom tab of each InfoHub that points to it.

Appendix A

Troubleshooting

Use this section to help fix issues that can occur when using the InfoHub and the HTML documentation.

Broken PDF Links in Documentation	35
Internet Explorer Active Content Error	36
Compatibility Mode for InfoHub and HTML Documents	36
No PDF Bookcase Level Search on Linux	38
No Topic-Level Help on Linux	39
Document Not Found.	40
Cannot Find What I am Searching For	40
About InfoHub	40

Broken PDF Links in Documentation

Due to enhanced security restrictions in web browser plug-ins for viewing PDF files, manual-to-manual links, and some internal links do not resolve. Clicking a link may result in no action, or it may load the title page of the current PDF manual (instead of the intended target in the PDF manual). The unresolved link behavior occurs in all web browsers on Windows® and Linux®¹ platforms. Because of this behavior, the navigational experience of PDF manuals is compromised. PDF is still ideal for printing because of its page-oriented layout.

Solution

For a fully-functional and superior navigational experience, use the HTML manuals. The HTML interface for Mentor documentation is designed for effective navigation to help you quickly find what you need. Use the HTML manuals to search for topics, navigate between topics, and click links to examples, videos, reference material, and other related technical content. HTML manuals are superior to PDF manuals for web-based search and navigation.

You can also use a PDF Viewer, like Adobe Reader, to navigate to the `<install_location>/docs/pdfdocs` directory and view the PDF files directly. Note that you do not have documentation tree level search while using this method.

Related Topics

[Documentation Options](#)

1. Linux® is a registered trademark of Linus Torvalds in the U.S. and other countries.

[Browser Settings](#)

Internet Explorer Active Content Error

By default, Microsoft chooses to have Internet Explorer block all Active Content from running in HTML documents located on your local file system. This prevents JavaScript from running and results in the content being displayed in “compatibility mode” for InfoHub and HTML documents.

Solution

There are three solutions for solving this error.

Temporarily Fixing the issue within Internet Explorer

1. An information bar appears that let you chose to temporarily allow the blocked content.
2. Click **Allow**.

Fixing the Issue within Internet Explorer

1. Choose **Tools> Internet Options**.
2. Select the **Advanced** tab.
3. Scroll down to the Security section, select “Allow active content to run in files on My Computer”.
4. Click **OK**.

Changing Your Default Browser

This is not an issue for Chrome or Firefox users. You can also change the default browser to Firefox or Chrome for use with just Mentor documentation. Refer to “[Documentation Options](#)” on page 10.

Hosting Documentation Instead of Changing Security Settings

If you do not want to change the security settings for the active content on your computer, you can alternately host the documentation on an internal web-server. Refer to “[Hosting Documentation on an Internal HTTP Server](#)” on page 16.

Compatibility Mode for InfoHub and HTML Documents

The Mentor Documentation System uses JavaScript for browsing and searching HTML documentation. If you are seeing the “compatibility mode” note at the top of the InfoHub or your help topic, then JavaScript is currently disabled in your browser and needs to be enabled if you want to use the full capabilities of the documentation system.

Symptoms

When using the InfoHub in compatibility mode, you have basic navigation and no search, as shown in [Figure A-1](#). The HTML documents have basic navigation, as shown in [Figure A-2](#). Also, the hyperlinks within documents do not function.

Figure A-1. InfoHub in Compatibility Mode

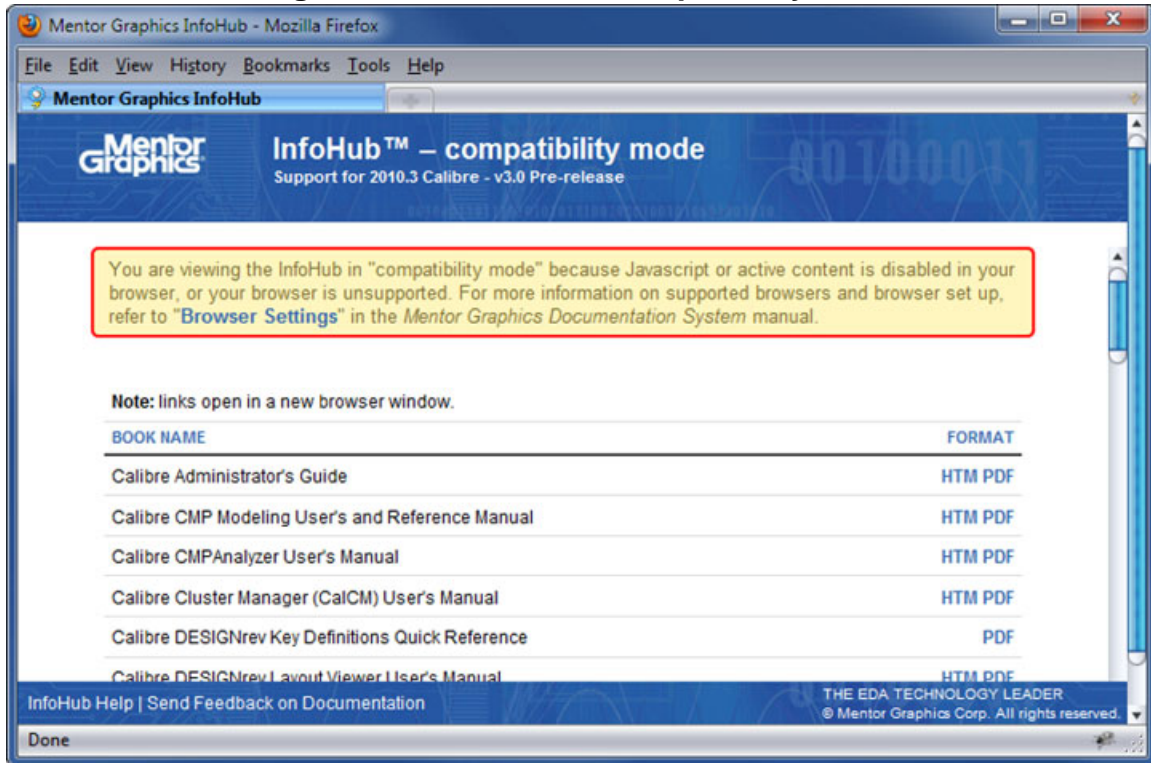
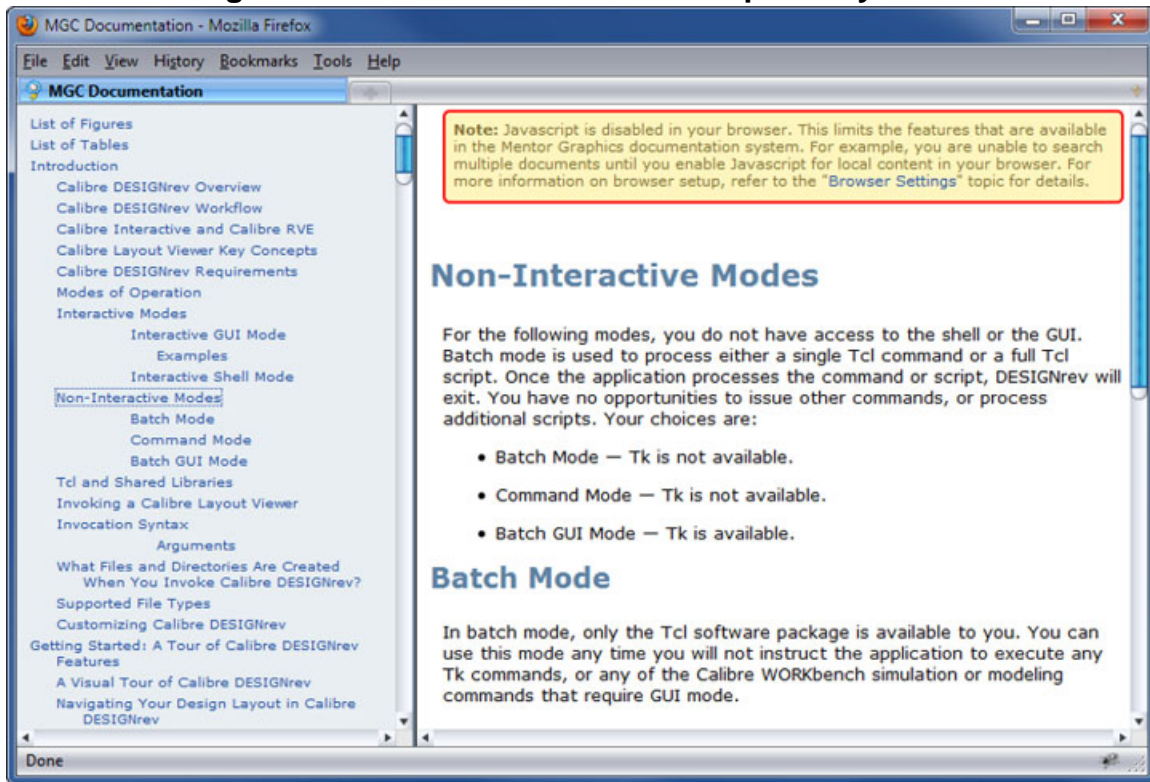


Figure A-2. HTML Document in Compatibility Mode



Solution

There are two solutions for solving this error.

Fixing Within the Browser

Enable JavaScript in your browser. Refer to “[Browser Settings](#)” on page 19.

Hosting Documentation Instead of Changing JavaScript Settings

If you do not want to change the JavaScript settings on your computer, you can alternately host the documentation on an internal web-server. Refer to “[Hosting Documentation on an Internal HTTP Server](#)” on page 16.

No PDF Bookcase Level Search on Linux

Mentor PDF-only documentation trees on Linux have limited search capabilities if you are not using Adobe Reader.

Symptoms

- Search of the complete PDF-only documentation tree is not an option for PDF viewers other than Adobe Reader.
- Adobe Reader v9.5.5 is not present on the Linux system and cannot be downloaded from Adobe.

Causes

Adobe Reader for Linux is no longer available from Adobe. Third-party PDF viewers cannot use the PDF search index available with Adobe Reader. Contact Adobe for additional information and options for Adobe Reader for Linux.

Solution

You can access and search all manuals in your release from Mentor Support Center (<https://support.mentor.com>). If you have limited or no access to the Internet, or you do not have a Support Center account, you can choose one or both of the following:

- Copy the documentation tree to a Windows OS location and use the PDF search index accessible with Adobe Reader for Windows.
- Install a third-party PDF viewer so that you can view the PDF files and perform single document searches. (Adobe Reader for Linux is no longer available from Adobe Corporation.)

Related Topics

[mgc_doc_options.ini File Format](#)

No Topic-Level Help on Linux

Mentor PDF-only documentation trees on Linux have limited context-sensitive help capabilities if you are not using Adobe Reader.

Symptoms

- If you are not using Adobe Acrobat, context-sensitive help calls from the Mentor products to a PDF-only documentation tree open to the PDF manual title page, not to the topic within the PDF manual.
- Adobe Reader v9.5.5 is not present on the Linux system and cannot be downloaded from Adobe.

Causes

Adobe Reader for Linux is no longer available from Adobe. Third-party PDF viewers cannot open the PDF file to the specific topic, as with Adobe Reader. Contact Adobe for additional information and options for Adobe Reader for Linux.

Solution

There is not direct resolution for the fact that Adobe Reader is not available for Linux and is required to open context-sensitive help directly to the topic. However, you can still install a third-party PDF viewer so that you can view the PDF files and perform single document searches on Linux.

Related Topics

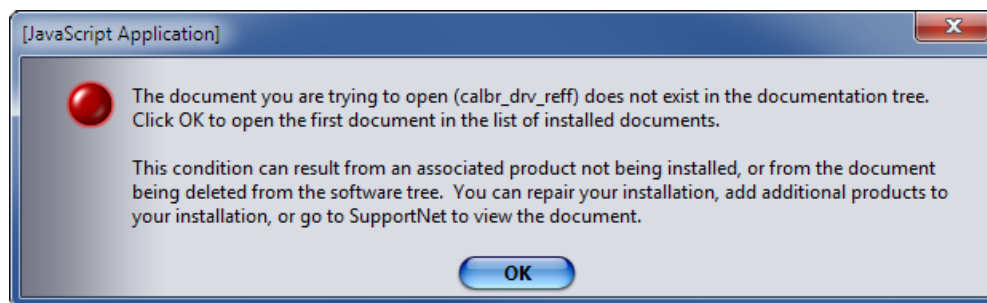
[mgc_doc_options.ini File Format](#)

Document Not Found

The Mentor Documentation System cannot find the requested document in this software tree.

Symptoms

The message box is opened, then the first document listed in the **All <release_name> Installed Docs** scope opens instead.



Solution

Depending on the release, you may not have installed the particular document. Try installing the missing document by choosing the associated software product within the install program. You can also go to Support Center to view the document: choose the product associated with that document, then open the **Reference** tab for that product site.

Cannot Find What I am Searching For

Sometimes you may not be able to find results for the terms you searched.

Solution

Use the methods and tips in “[Search Tips](#)” on page 28 help you tune your search terms and context.

About InfoHub

The software version of the documentation system.

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THIS WORK CONTAINS TRADE SECRET AND PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF MENTOR GRAPHICS CORPORATION OR ITS LICENSORS AND IS SUBJECT TO LICENSE TERMS.

For an overview of the InfoHub and its features, refer to “[Mentor Documentation System](#)” on page 5.

