



Release Notes for Cisco CTE 1400 and Design Studio Release 1.1.6

October 19, 2001

These release notes contain important information and caveats for the Cisco Content Transformation Engine 1400 (CTE) and Design Studio Release 1.1. Information in this document supplements information in the *Cisco Content Transformation Engine 1400 Configuration Note* and the *Design Studio User Guide*.

Contents

These release notes contain the following topics:

- [Important Security Information, page 2](#)
- [Important Information for Design Studio Users, page 2](#)
- [System Requirements, page 3](#)
- [Supported Formats, page 3](#)
- [Upgrading the Cisco CTE 1400 and Design Studio, page 5](#)
- [New Features in Release 1.1.6, page 5](#)
- [Open and Resolved Caveats in Release 1.1.6, page 13](#)
- [Documentation Updates, page 18](#)
- [Open Caveats in Release 1.1.5, page 18](#)
- [Additional Documentation, page 22](#)
- [Obtaining Documentation, page 22](#)
- [Obtaining Technical Assistance, page 23](#)



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Important Security Information

Improper configuration of the Cisco CTE 1400 can result in a security risk. Before you deploy the Cisco CTE 1400, verify the configuration as follows:

- Verify that the CTE does not have access to protected intranet sites.

By default, the CTE proxies only the web pages it has transformed in order to prevent access to protected servers that are on the same subnet as the CTE. If you choose to override that default, as described in the [“Configuring the Cisco CTE 1400 to Proxy All Web Pages” section on page 7](#), do not put the CTE on the same subnet as protected servers.



Note If you configure the CTE to proxy all web pages, the CTE provides access to computers on the same subnet as the web servers configured to work with the CTE. For example, suppose a CTE has an external IP address of 24.221.1.1 and an internal IP address of 192.168.1.31. On the same subnet, you have an intranet server, protected from outside access, with an IP address of 192.168.1.20. It is possible to access all ports on the protected intranet server through the CTE by using the URL *http://24.221.1.1/http://192.168.1.20*.

- Verify that port 9001 is not accessible from outside of your firewall.

The CTE communicates with Design Studio through port 9001 using clear-text transmissions. To assure secure operations, you must block access to CTE port 9001 from outside of your firewall.

Important Information for Design Studio Users

When you complete work on the projects in a configuration file and are ready to put the file into production, you must publish the configuration file to the Cisco CTE 1400. Only one configuration file can reside on a CTE at a time: The configuration file that you publish replaces the configuration file previously in effect on the CTE.

We recommend that you follow these guidelines when working with Design Studio configuration files:

- Save your work on your PC often. Saving your work often is standard good practice that minimizes the amount of work you might lose if you encounter a problem with software, hardware, or a network connection.
- Maintain on your PC separate folders for in-progress and published configuration files.
- Archive on your PC each configuration file that you publish to the CTE. If someone accidentally overwrites the “good” configuration file on the CTE, you can retrieve it from your PC.
- After you complete work on a configuration file and want to put it into production, be sure to publish the configuration file to the CTE by using the **File > Publish Configuration** command in Design Studio.

System Requirements

The Design Studio application requires the following:

- Windows 95, Windows 98/ME, Windows 2000, or Windows NT 4.0 with Service Pack 6.
- At least 10 MB of disk space.
- At least 128 MB of RAM; 256 MB is recommended.
- Internet Explorer version 5.0 or higher or Netscape version 4.01 or higher.
- Java 2 Runtime Environment (JRE), Standard Edition, version 1.2.2 (available from <http://www.javasoft.com> or the Design Studio CD-ROM).
- A VGA color monitor with a graphics card capable of showing 16-bit color or higher. A minimum screen resolution of 640 x 480. Recommended resolution is 1280 x 1024.
- Network connection to the Cisco CTE 1400.

Supported Formats

The Cisco CTE 1400 and Design Studio support the formats most commonly used for websites and wireless devices.

Website content in the following formats is supported:

- HTML versions 4.0, 3.2, and 2.0
- XHTML versions 1.1 and 1.0
- XML version 1.0
- XSL version 1.0
- GIF, JPEG, BMP, and WBMP image formats

Wireless device microbrowsers do not support all content types. The Cisco CTE 1400 passes the following content to a wireless device as is:

- Binary data, such as audio, video, and PDF files
- Java applets, scripts, plug-ins, and custom objects

Table 1 lists the destination devices supported by the Cisco CTE 1400.

Table 1 Supported Devices

| Category | Vendor and Model | Models Tested |
|--|---------------------------------|--|
| cHTML(1) ¹ | Casio Cassiopeia | EM-500 |
| | Compaq iPAQ | iPAQ |
| | Hewlett-Packard Jornada | Jornada 525, Jornada 545, Jornada 720 |
| | Psion Revo Plus | Revo Plus |
| cHTML(2) | Research in Motion (all models) | Blackberry, RIM 950 |
| IP phones | Cisco IP phone (all models) | all models |
| Palm HTML | Handspring Visor (all models) | Visor, Visor Deluxe, Visor Edge, Visor Neo, Visor Platinum, Visor Prism, Visor Pro |
| | Palm VII | Palm VII |
| | Sony CLIÉ | CLIÉ PEG-S300 |
| VoiceXML | BeVocal, Tellme | BeVocal, Tellme |
| WML ² version 1.1 (WAP-enabled phones) | Alcatel (all models) | OneTouch 701 |
| | Audiovox CDM-9000 | CDM-9000 |
| | Benefon (Benefon Q) | Benefon Q |
| | Ericsson (all models) | R320, R380, R380s, R520, T20, T29, T39 |
| | Motorola (all models) | 250, 260, A008, P7389, P8767, StarTac v.50 (V2288 is not tested) |
| | Nokia (all models) | 6210, 7110, 9110, 9210 |
| | Panasonic (all models) | GD93 |
| | Philips (all models) | Azalis, Ozeo, Xenium |
| | Samsung (all models) | SCH-850, SGH-N100 |
| | Sanyo (all models) | SCP-4500 |
| | Siemens (all models) | S35, S45, S145 (IC35 is not tested) |
| Sony (all models) | CMD-Z5 | |

1. cHTML = Compact HTML
2. WML = Wireless Markup Language

Upgrading the Cisco CTE 1400 and Design Studio

Before you upgrade a CTE, record its network and DNS parameters. You will need to reconfigure the CTE after you upgrade it.

To upgrade to the latest release, perform these steps:

-
- Step 1** From a PC where Design Studio is already installed, go to the URL <http://www.cisco.com/cgi-bin/tablebuild.pl/cte-3des> and then click the heading “Cisco CTE 1400 Software.”
- Step 2** Download the upgrade files, one for the CTE and one for Design Studio.
The download process copies the following files to your PC:
- CTEserver116 (the CTE upgrade)
 - CTEDesignStudio116.exe (the Design Studio upgrade)
- Step 3** Start the already installed version of Design Studio.
- Step 4** From the Design Studio File menu, choose **Upgrade CTE 1400**.



Note You must upgrade the CTE before upgrading Design Studio.

- Step 5** In the Open dialog box, navigate to **CTEserver116** and click **Open**.
Design Studio uploads and installs the CTE upgrade file.
- Step 6** Exit Design Studio.
- Step 7** In the CTE console, reset the CTE network and DNS parameters.
- Step 8** Exit Design Studio.
- Step 9** To install the upgrade to Design Studio, double-click **CTEDesignStudio116.exe**.
- Step 10** Restart Design Studio.



Note Design Studio automatically upgrades configuration files created in release 1.1.5 to the release 1.1.6 format. When you attempt to open a configuration file, Design Studio gives you the choice of overwriting the old file or saving it to a different name.

New Features in Release 1.1.6

The following sections describe new features in Cisco CTE 1400 and Design Studio release 1.1.6:

- [Monitoring the Performance of the Cisco CTE 1400, page 6](#)
- [Viewing the Cisco CTE 1400 Server Log, page 6](#)
- [Configuring the Cisco CTE 1400 to Proxy All Web Pages, page 7](#)
- [Directing Cisco CTE 1400 Requests through a Proxy Server, page 7](#)
- [Previewing VoiceXML Support, page 8](#)

- [Dividing a Web Page into Multiple Pages](#), page 9
- [Working with Frames](#), page 11
- [Replacing an Image with ALT Attribute Text](#), page 12
- [Manually Configuring XPath Expressions](#), page 12

Monitoring the Performance of the Cisco CTE 1400

You can now monitor the performance of the CTE. You use the CTE console to enable and disable the logging of system performance information and to view the information collected during the logging. By reviewing the information provided, you can track unusual changes which can affect the stability and performance of the CTE.

The information provided includes the following:

- How long the CTE has been running
- System load averages for the past 1, 5, and 15 minutes
- The amount of total, used, and free memory
- The number of received connections, inbound/outbound requests, and failed requests
- A list of listening and non-listening sockets
- The number of requests from each type of device

Running the performance monitor degrades the performance of the CTE.

To monitor and view performance information, perform these steps:

-
- Step 1** From the CTE console, type **20** (Enable/Disable System Performance Monitoring) and press **Enter**.
- Step 2** Answer **yes** to the prompt to start the monitoring and press **Enter**.
- Step 3** When you are ready to view performance information, type **21** (View System Performance Information) and press **Enter**.
-

To stop the monitoring, perform these steps:

-
- Step 1** From the CTE console, type **20** (Enable/Disable System Performance Monitoring) and press **Enter**.
- Step 2** Answer **no** to the prompt to stop the monitoring and press **Enter**.
-

Viewing the Cisco CTE 1400 Server Log

The CTE logs informational, warning, and error messages related to the interactions between the CTE and Design Studio. You can view the Server Log from Design Studio and you can change the logging level in the CTE console so that all messages or only server version information is displayed in the log.

To change the logging level, perform these steps:

-
- Step 1** From the CTE console, type **17** (...Enable/Disable Verbose Mode) and press **Enter**.
 - Step 2** Type **v** to toggle verbose mode on and off.
-

To view the Server Log from Design Studio, perform these steps:

-
- Step 1** From the File menu, choose **View Server Log**.
 - Step 2** To refresh the display, click **Refresh**.
 - Step 3** To exit the window, click **Done**.
-

Configuring the Cisco CTE 1400 to Proxy All Web Pages

By default, the CTE proxies only the web pages it has transformed in order to prevent access to protected servers that are on the same subnet as the CTE. You can use the CTE console to override the default behavior so that the CTE proxies all web pages: Select option **12** (Enable Unrestricted Proxy Support) and enter **yes** to the prompt. For more information, see the [“Important Security Information” section on page 2](#).

Directing Cisco CTE 1400 Requests through a Proxy Server

You can specify that CTE requests for web pages go through a proxy server or use a direct connection. For example, you can specify a proxy server for nonsecure requests and use a direct connection for secure requests.

To specify a proxy server for HTTP (nonsecure requests), perform these steps:

-
- Step 1** From the CTE console, type **8** (Set Proxy) and press **Enter**.
 - Step 2** Enter the HTTP proxy IP address and press **Enter**.
-

To specify a proxy server for HTTPS (secure requests), perform these steps:

-
- Step 1** From the CTE console, type **9** (Set Secure Proxy) and press **Enter**.
 - Step 2** Enter the HTTPS proxy IP address and press **Enter**.
-

To disable a proxy server, perform these steps:

-
- Step 1** From the CTE console, type **8** (Set Proxy) or **9** (Set Secure Proxy) and press **Enter**.
- Step 2** Specify **0** as the IP address and press **Enter**.
-

Previewing VoiceXML Support

Design Studio release 1.1.6 contains a preview of VoiceXML support. This preview enables you to create a transformation for one static web page that a caller can then access by phone through the BeVocal or Tellme VoiceXML service providers. When a caller dials the number you set up with a VoiceXML service provider, the service provider sends a request for the page through the CTE. The CTE transforms the page to VoiceXML and delivers the page to the service provider, which then reads the page to the caller.

To set up a VoiceXML transformation, perform these steps:

-
- Step 1** Contact either BeVocal or Tellme to set up an account and a portal for the web page.
- The service provider will ask you to specify a user name, password, IP address, and port number. The service provider will give you a phone number for your VoiceXML portal.
- Step 2** Create a project in Design Studio and add the web page you want to transform to VoiceXML.



Note The page must be available on the internet. VoiceXML service providers cannot access intranet content.

- Step 3** Specify a page identifier for the page.
- Step 4** Use Design Studio transformation rules to select the content you want callers to hear when they request the page from BeVocal or Tellme.



Note All Configure dialog boxes now include VoiceXML in the list of Device Types. Be sure to choose VoiceXML in the Device Type list when you configure the rules.

The content you select must contain static content; dynamic content is currently not supported. You can include links, but a caller will not be able to select and follow links in this preview release of VoiceXML.

- Step 5** Save the configuration file and publish it to the CTE.
- Step 6** Dial the phone number for the VoiceXML portal to hear the transformed content.
-

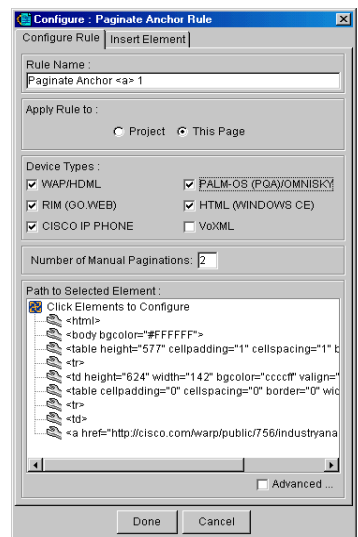
Dividing a Web Page into Multiple Pages

Since web pages can contain more information than is reasonable to send to a device with a microbrowser, you can use Design Studio to manually paginate a web page, effectively creating multiple views of the page. For example, if a page contains four categories of links, you can divide the page into four smaller pages, each containing one category of links.

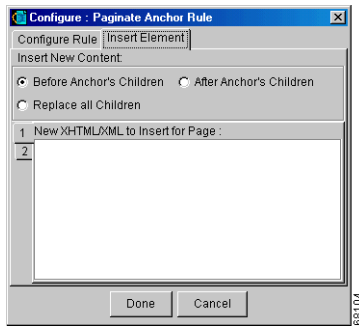
To paginate a page, you must first apply a Paginate Anchor rule to the link that points to the content you want to divide. You then apply multiple Pagination Identifier rules to the page that you want to divide. The Pagination Identifier rules map each link to a particular view of the page.

To create links to the page you want to paginate, follow these steps:

- Step 1** In the XHTML source view, right-click the **a** element that contains the link to the page you want to paginate.
- Step 2** Choose **Paginate Anchor** from the shortcut menu.
The Configure: Paginate Anchor Rule dialog box appears.



- Step 3** Choose each device type to which you want to apply the rule.
- Step 4** In the Number of Manual Paginations text box, enter the total number of links you want to create.
This number corresponds to the number of views you want to create for one web page.
- Step 5** Click the **Insert Element** tab.
The Insert Element tab appears.



Use the Insert Element tab to specify the text you want to appear before, after, or instead of the existing link. The text you insert should uniquely identify each view of the destination page.

Step 6 Select the location for the inserted text, as follows:

- To put the inserted text before the existing link, select **Before Anchor's Children**.
- To put the inserted text after the existing link, select **After Anchor's Children**.
- To replace the existing link, select **Replace all Children**.

Step 7 In the text box for tab 1, enter the text you want to display for the link.

For example, if you want the word “Overview” followed by a **br** element, type: Overview
.

Step 8 Click tab 2 and enter the text and any XHTML elements for the link.

Step 9 Repeat the preceding step for each tab.

Step 10 Click **Done**.

To define a view of a page, follow these steps:

Step 1 After you create links to a page, click the **Browse** tab.

The Browse tab displays the link text you just created.

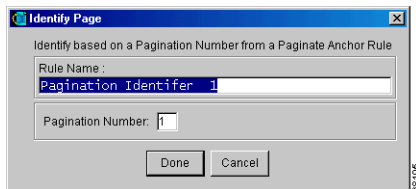
Step 2 Click one of the links you created.

Step 3 Click **Add Page to Project**.

Step 4 Right-click anywhere in the XHTML source view.

Step 5 Choose **Pagination Identifier** from the shortcut menu.

The Identify Page dialog box appears.



Step 6 In the Pagination Number text box, enter the number that corresponds to the tab number where you specified the link text to this view.

For example, to define the view for the “Overview” page you identified as “1” when configuring the Paginate Anchor rule, enter **1** in the Pagination Number text box.

Step 7 Click **Done**.

Step 8 Apply a Tag Contains rule to uniquely identify this view.

For example, apply a Tag Contains rule to a text element that appears just in this view.

Step 9 Apply a Select rule to the element that contains the text you want to appear in this view.

For example, if the text you want to appear in this view is contained in a table, apply the Select rule to the table.

Step 10 Repeat steps 2 through 9 for each view you want to create.



Note To return to the page that contains the links to each view, click the page link in the project tree. The page displays in the Browse tab where you can then click any link you have created.

Working with Frames

When you navigate to a page that contains frames, previous releases of Design Studio gave you the choice of transforming the individual frames or using the content of the **noframes** element. You now have a third option: redirect the page to one of the frames. This option enables you to eliminate an intermediate page, freeing a wireless device user from having to click through it.

To redirect a page to one of its frames, perform these steps:

Step 1 When you navigate to a page and see the “This Page Contains Frames” message, click **Add Page to Project** to add the page to your project.

Step 2 Create an identifier for the page.

Step 3 In the project tree, click a device type for which you want to create a No Frames rule.

Step 4 Right-click the XHTML source view.

Step 5 Choose **Frames** from the shortcut menu.



Note The Frames command was previously named NoFrames.

Step 6 Choose whether to apply the rule to all pages in this project or just this page.

Step 7 Select **Redirect to frame**.

Step 8 From the drop-down menu, choose the destination frame name.

Step 9 Choose each device type to which you want to apply the rule.

Step 10 Click **Done**.

Design Studio transforms the page, includes the message “This page will redirect to,” and includes the frame name.

Replacing an Image with ALT Attribute Text

In previous releases of Design Studio, you had to use the Modify rule to replace an image with alternate text. Design Studio now has a new rule, named Image ALT, designed specifically to handle images.

To use alternate text instead of an image, perform these steps:

-
- Step 1 In the XHTML source view, right-click the **img** element that has the alternate text you want to use instead of the image.
 - Step 2 Choose **Image ALT** from the shortcut menu.
 - Step 3 Choose whether to apply the rule to all pages in this project or just this page.
 - Step 4 Choose each device type to which you want to apply the rule.
 - Step 5 Click **Done**.



Note You can apply the Image ALT rule to multiple elements, such as to all images on a page. In the Configure: Image ALT Rule dialog box, click the **img** element in the Path to Selected Element area, and then change the depth and position settings.

Manually Configuring XPath Expressions

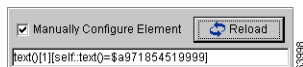


Note The following new feature is intended only for users familiar with XSL.

You can now fine-tune the XPath expression formed by the other settings in the Configure Path dialog boxes. The Configure Text Path dialog box and the Configure Element Path dialog box contain a new area where you can configure an XPath expression.

To manually configure an XPath expression, perform these steps:

-
- Step 1 In the Configure Text Path or Configure Element Path dialog box, set the depth, position, etc. options.
 - Step 2 Select **Manually Configure Element**.
 - Step 3 Click **Reload** to view the current XPath expression for the node.
 - Step 4 Edit the XPath configuration in the text box.



Design Studio alerts you if you enter invalid syntax for the XPath.

- Step 5 Click **Done**.
-

Open and Resolved Caveats in Release 1.1.6

This section contains the following topics:

- [Open Caveats in the Cisco CTE 1400, page 13](#)
- [Open Caveats in Design Studio, page 14](#)
- [Resolved Caveats in the Cisco CTE 1400, page 15](#)
- [Resolved Caveats in Design Studio, page 16](#)

Open Caveats in the Cisco CTE 1400

This section describes the additional known limitations in Cisco CTE 1400 release 1.1.6.

- CSCdv61558

The default browser on a Palm device cannot handle more than two consecutive redirect requests. When that occurs, the Palm device displays the message “You’ve been redirected too many times.”

Workaround: Use the Blazer browser instead of the Elaine browser for Palm devices.

- CSCdv61681

When a Palm device receives a URL that contains “[]” (square brackets), it displays an error message with error code iNet 141B. In a future release, the CTE will transform the URL so that the page renders on the Palm.

Workaround: Use Design Studio to create a transformation rule that removes the portion of the URL contained in square brackets.

- CSCdu87807

Although you can specify Dynamic Host Configuration Protocol (DHCP) as the boot protocol (option 2 in the CTE console), the CTE works only with DHCP servers that are configured to return a host name.

Workaround: None.

- CSCdv61686

Web sites that are coded in WML do not pass through the CTE if the URL to the site is relative. If the URL to the WML-coded site is absolute, the site content passes through the CTE.

Workaround: None.

- CSCdv61609

The CTE does not retain a backup version of a configuration file. When you publish a configuration file, it overwrites the previous configuration file.

Workaround: Archive configuration files on your PC.

- CSCdv61689

When CTE console option 9 (Set Secure Proxy) is disabled, SSL/HTTPS sessions are converted to HTTP and are, thus, unsecure. When secure proxy is set, the CTE should instead drop any server-side connections to HTTPS content.

Workaround: Enable the Set Secure Proxy option.

- CSCdv61691
Input fields that are created with the **textarea** element do not work on WAP devices.
Workaround: Use the modify rule to change the **textarea** element to an **input** element. Be sure to delete any **textarea** attributes, such as **rows** and **cols**, that are not valid for **input** elements.
- CSCdv64990
Design Studio allows you to publish a configuration file that does not contain any identifier rules. Without an identifier rule, a configuration file matches all pages. As a result, a wireless device user can retrieve any page through the CTE, even if console option 12 (Enable Unrestricted Proxy Support) is disabled.
Workaround: Include at least one identifier rule per page in a configuration file.

Open Caveats in Design Studio

This section describes the additional known limitations in Design Studio release 1.1.6.

- CSCdv61702
Two consecutive upgrades to the CTE cause Design Studio to hang.
Workaround: Restart Design Studio after you upgrade the CTE.
- CSCdv61706
You cannot select in the browser view content that is generated by a style sheet.
Workaround: Select the content in the XHTML source view.
- CSCdv61707
Design Studio supports only the XSL and XHTML namespaces. If you import an XSL style sheet that contains references to other namespaces, the console displays a message such as the following: “Unsupported stylesheet operation: no such prefix: rdf.”
Workaround: Remove references to unsupported namespaces in XSL style sheets.
- CSCdv64983
Design Studio does not support XSL style sheets that have an **xsl:import** element followed by an **xsl:include** element. If you attempt to add a page to an XML project that uses such a style sheet, the CTE console displays the error MalformedURLException and Design Studio will need to be stopped and restarted.
Workaround: Combine the XSL style sheet referenced by the **xsl:include** element with the style sheet referenced by the **xsl:import** element. Design Studio supports the **xsl:import** element.
- CSCdv64986
Design Studio cannot save a configuration file that contains an XML page with a **CDATA** section.
Workaround: You can use any of the following workarounds:
 - Remove any **CDATA** sections from the XML page.
 - Create a temporary XML page that does not contain **CDATA** sections. Create a Tag Contains identifier rule for the page.

- CSCdv64987

Design Studio does not correctly store the name of Paginate Identifier rules in a configuration file. When you open a configuration file, Paginate Identifier rules might not have a name.

Workaround: When you open a configuration file that contains Paginate Identifier rules, verify that the rules have names. If they do not, edit the rules and enter a name for them.

Resolved Caveats in the Cisco CTE 1400



Note

The *** in this section indicate that the caveat was reported and resolved after release 1.1.5.

This section describes the caveats resolved in Cisco CTE 1400 release 1.1.6.

- CSCdu87787

The CTE assumed that the network mask set for the second network interface card (eth1) is the same for the first network interface card (eth0).

Resolution: You can set the network mask for eth1 by using the CTE console option **3** (Set Networking Parameters) as described in the *Cisco Content Transformation Engine 1400 Configuration Note*.

- CSCdv61555***

WML devices that use the pre-3.1 version of the Openwave Mobile Browser (UP.Browser), sometimes displayed a Form Compilation Error when attempting to handle forms.

Resolution: The CTE correctly handles the forms on the earlier versions of the UP.Browser.

- CSCdv61567***

When browsing on a Palm VII, clicking a Submit button sometimes resulted in the display of the same page.

Resolution: The correct page is now loaded.

- CSCdu87815

Decimal character references below 160 will be encoded differently in release 1.1.6. The encoding change will affect any rules that include these special characters.

Resolution: The encoding for decimal character references has changed. Design Studio converts the encoding when you open a release 1.1.5 configuration file in release 1.1.6.

- CSCdu87822

The CTE could not access a website from behind a proxy firewall. To your website, the CTE appeared as a browser, like Internet Explorer or Netscape. If you set up your website to use a proxy server, the CTE was unable to access pages from your website.

Resolution: The CTE now supports proxy servers, as described in the [“Directing Cisco CTE 1400 Requests through a Proxy Server” section on page 7](#).

- CSCdu87918

If you configure a cache engine to cache pages from the CTE, you can log in to the CTE but cannot retrieve web pages from it. This problem has been observed only with the Cisco cache engine.

Resolution: Set your cache engine to bypass mode. Review the configuration note for your cache engine for instructions.

- CSCdv61599***
Unless option 4 (Set Masquerade Host) was set in the CTE console, you could not follow links on WAP-enabled phones that use WML.
Resolution: You no longer have to set a masquerade host to follow links on WAP-enabled phones that use WML.
- CSCdu87847
The CTE sometimes did not correctly handle a form on WML and IP phones if the form had an input type of “hidden” and a value that contained the “%” character.
Resolution: The CTE correctly handles the forms.
- CSCdv61604***
Some servers return a content-type value of “text/plain” for XML documents. Because the CTE chose a parser based on the content-type value, the wrong parser was used for XML documents.
Resolution: The CTE now chooses a parser based on the filename extension, rather than the content-type value.
- CSCdv61612***
A CTE attempting to perform more than two transformations simultaneously will successfully handle only one of the transformations and will not respond to the other requests.
Resolution: The CTE correctly handles multiple simultaneous transformations.

Resolved Caveats in Design Studio



Note

The *** in this section indicate that the caveat was reported and resolved after release 1.1.5.

This section describes the resolved caveats in release 1.1.6 of Design Studio.

- CSCdu87874
When uploading a configuration file to the CTE, Design Studio appeared to hang.
Resolution: Design Studio displays a progress bar, so you can monitor the progress of the upload.
- CSCdv61624***
When you saved a configuration file, Design Studio did not check for a file of the same name in that directory and display the Save As dialog box.
Resolution: Design Studio displays the Save As dialog box when you attempt to save a configuration file with a duplicate file name.
- CSCdv61628***
If you attempted to browse to a page while Design Studio was publishing a configuration file to the CTE, Design Studio displayed a message that there was a problem with the upload although it was completed successfully.
Resolution: Design Studio no longer displays an error message when the upload completes successfully.

- CSCdu87913
A page sometimes rendered differently in the Edit tab and the Browse tab. This problem occurred when you created a rule with the Match Element Name field not selected and the Position to Match option set to a range. Design Studio incorrectly calculated the range in the Edit tab.
Resolution: Pages now render correctly in the Edit tab.
- CSCdv61635***, CSCdv61637***
Design Studio sometimes worked incorrectly when you attempted to save a configuration file. In some cases, a Java NullPointerException occurred; in other cases, Design Studio incorrectly interpreted a filename as invalid.
Resolution: Design Studio now correctly saves configuration files.
- CSCdu87916
Design Studio allowed the **p** element to be hierarchical. Any rule associated with a **p** element may not have resulted in a correct transformation.
Resolution: Design Studio no longer allows the **p** element to be hierarchical. Design Studio corrects the transformation rules for the **p** element when you open a 1.1.5 configuration file in release 1.1.6.
- CSCdv61639***
Design Studio did not correctly display some UTF-8 characters, such as the bullet character.
Resolution: Design Studio correctly displays the special characters.
- CSCdu87925
The Dial rule could not prepend a "9" or other number to access an external number.
Resolution: The Configure: Dial Rule dialog box now includes a text box for entering a phone number prefix.
- CSCdv61642***
Clicking the Close button in the Save As dialog box did not close the dialog box and displayed a Conflict message box.
Resolution: The Close button in the Save As dialog box works correctly.
- CSCdv61652***, CSCdv61661***
The Find dialog box did not work correctly when the search string included a space or the following special characters: /, <, >, =.
Resolution: The Find dialog box handles spaces and special characters.
- CSCdv61664
Design Studio might not display the content of a **noframes** element in the browser view.
Resolution: Design Studio always displays the content of a **noframes** element.
- CSCdv61667***
Design Studio incorrectly calculated the range values in the Configure Element dialog boxes.
Resolution: Design Studio correctly calculates the range values.

Documentation Updates

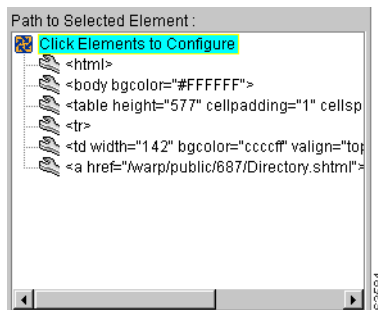
CTE Console Changes

The Review and Commit option has changed from 8 to **31**. The Restart/Shutdown option has changed from 9 to **32**.

Path to Selected Element Area

The Path to Selected Element area in the Identify Page dialog box and all Configure: Rule dialog boxes has changed. Previously the Path to Selected Element area contained a button for each path element. Now the path elements are presented in a list as shown in [Figure 1](#).

Figure 1 Path to Selected Element Area



Open Caveats in Release 1.1.5

Open Caveats in the Cisco CTE 1400

This section describes the known limitations in Cisco CTE 1400 release 1.1.5.

- CSCdu87742
The CTE supports HTTP Basic Authentication only.
Workaround: None. A future release of the CTE will support Digest Authentication. There is no planned support for Windows NT Challenge/Response Authentication (also referred to as NTLM).
- CSCdu87770
The CTE does not support web pages that exceed 256 KB.
Workaround: None. In a future release, the CTE console will allow you to configure the supported page size.

- CSCdu87787
The CTE assumes that the network mask set for the second network interface card (eth1) is the same for the first network interface card (eth0).
Workaround: None.
- CSCdu87802
The CTE currently supports only strong (128-bit) Secure Sockets Layer (SSL) encryption for incoming connections.
Workaround: None.
- CSCdu87807
Although you can specify Dynamic Host Configuration Protocol (DHCP) as the boot protocol (option 2 in the CTE console), the CTE currently works only with DHCP servers that are configured to return a host name.
Workaround: To use DHCP with the CTE, configure your DHCP server to return a host name. Alternatively, reserve an IP address for the CTE. In a future release, the CTE will fully support DHCP.
- CSCdu87815
Decimal character references below 160 will be encoded differently in the next release. The encoding change will affect any rules that include these special characters.
Workaround: None.
- CSCdu87822
The CTE cannot access a website from behind a proxy firewall. To your website, the CTE appears as a browser, like Internet Explorer or Netscape. If you set up your website to use a proxy server, the CTE is unable to access pages from your website.
Workaround: Do not force proxy use. Release 1.1.6 of the CTE removes this limitation.
- CSCdu87829
The masquerade IP address (option 4 in the CTE console) defaults to an invalid value.
Workaround: Use option 4 in the CTE console to set the CTE masquerade IP address to the appropriate value. For information, refer to the *Cisco Content Transformation Engine 1400 Configuration Note*.
- CSCdu87834
The CTE processes web pages only from servers that return a valid content type, either “text/html” or “text/xml.” The CTE does not transform a web page with any other content type and passes it to wireless devices as is.
Workaround: Set up your server to return a supported content type.
- CSCdu87847
The CTE may not correctly handle a form on WML and IP phones if the form has an input type of “hidden” and a value that contains the “%” character.
Workaround: None. Release 1.1.6 of the CTE fixes this problem.

- CSCdu87856

You must choose the type of encoding used for web pages from the CTE console.

Workaround: The CTE uses Latin-1 encoding by default, which will work for most pages that are not encoded in Unicode Transformation Format-8 (UTF-8). We recommend that you use Latin-1 encoding for HTML-based pages and UTF-8 encoding for XML documents. You can also choose raw, ASCII, or macro encoding.

Open Caveats in Design Studio

This section describes the known limitations in Design Studio release 1.1.5.

- CSCdu87868

The scroll bars in the XHTML source view are incorrect. This problem occurs as the result of a known issue with JRE/JDK version 1.2.2 that will be resolved in a future release.

Workaround: Redisplay the XHTML source view by opening and closing a node in the tree.

- CSCdu87874

When uploading a configuration file to the CTE, Design Studio appears to hang.

Workaround: Wait until Design Studio completes the upload. A future release of Design Studio will contain a progress bar and performance enhancements.

- CSCdu87887

You cannot rename a page or project in Design Studio.

Workaround: Support for renaming pages and projects will be included in a future release.

- CSCdu87891

The drop-down menus in the Log in to the Cisco CTE 1400 dialog box do not retain previously selected values. For example, if you change the value of the User Name field, the previously selected value no longer appears in the menu. This problem occurs as the result of a known issue with JRE/JDK version 1.2.2.

Workaround: Enter a value.

- CSCdu87893

You cannot delete or edit multiple rules simultaneously by selecting them in the Transformation Rules or Identifier Rules lists and then clicking the Delete or Edit button. Design Studio performs the command only on the last rule selected.

Workaround: Delete or edit the rules individually.

- CSCdu87896

After applying a rule or clicking a tab, the Edit or View Original tab is blank.

Workaround: Change to a different tab and the page will render.

- CSCdu87903

When you click a link in either the Edit tab or View Original tab, Design Studio sometimes displays the link destination instead of selecting the link.

Workaround: Click the Browse tab, click the previously selected tab, and then select the link.

- CSCdu87906

After the following sequence of steps, Design Studio is unable to load additional web pages:

- Start Design Studio.
- Create a new project.
- Browse to *www.yoursite.com*.
- Add a page to the project.
- Remove the page from the project.
- Browse to *www.yoursite.comn*. (Notice the spelling at the end of the URL.)

Workaround: Save the project, exit Design Studio, and restart Design Studio. This problem will be fixed in a future release.

- CSCdu87911

You cannot save a configuration file (.cte) with an extension that contains a "/" or "\".

Workaround: Remove the slash from the filename.

- CSCdu87913

A page renders differently in the Edit tab and the Browse tab. This problem occurs when you create a rule with the Match Element Name field not selected and the Position to Match option set to a range. Design Studio incorrectly calculates the range in the Edit tab.

Workaround: View the page in the Browse tab, which renders the page in the same way that the CTE will transform it.

- CSCdu87916

Design Studio allows the **p** element to be hierarchical. Any rule associated with a **p** element may not result in a correct transformation.

Workaround: None. Release 1.1.6 of the CTE correctly flattens the **p** element.

- CSCdu87918

If you configure a cache engine to cache pages from the CTE, you can log in to the CTE but cannot retrieve web pages from it.

Workaround: Do not configure a cache engine to cache pages from the CTE. A future release of the CTE will support cache engines.

- CSCdu87920

After browsing to a page in Design Studio, the URL listed in the Address field is incorrect. This problem occurs if the server where the web page originates is returning a content type other than "text/html" or "text/xml."

Workaround: Set up your server to return a supported content type.

- CSCdu87925

The Dial rule cannot prepend a "9" or other number to access an external number.

Workaround: None. Release 1.1.6 of the CTE supports prepended numbers.

Additional Documentation

The following documents are available for the Cisco CTE 1400 and Design Studio:

- *Cisco CTE 1400 and Design Studio Quick Start Guide*
- *Cisco CTE 1400 Hardware Installation Guide*
- *Cisco Content Transformation Engine 1400 Configuration Note*
- *Design Studio User Guide*

Obtaining Documentation

The following sections explain how to obtain documentation from Cisco Systems.

World Wide Web

You can access the most current Cisco documentation on the World Wide Web at the following URL:

<http://www.cisco.com>

Translated documentation is available at the following URL:

http://www.cisco.com/public/countries_languages.shtml

Documentation CD-ROM

Cisco documentation and additional literature are available in a Cisco Documentation CD-ROM package, which is shipped with your product. The Documentation CD-ROM is updated monthly and may be more current than printed documentation. The CD-ROM package is available as a single unit or through an annual subscription.

Ordering Documentation

Cisco documentation is available in the following ways:

- Registered Cisco Direct Customers can order Cisco product documentation from the Networking Products MarketPlace:
http://www.cisco.com/cgi-bin/order/order_root.pl
- Registered Cisco.com users can order the Documentation CD-ROM through the online Subscription Store:
<http://www.cisco.com/go/subscription>
- Nonregistered Cisco.com users can order documentation through a local account representative by calling Cisco corporate headquarters (California, USA) at 408 526-7208 or, elsewhere in North America, by calling 800 553-NETS (6387).

Documentation Feedback

If you are reading Cisco product documentation on Cisco.com, you can submit technical comments electronically. Click **Leave Feedback** at the bottom of the Cisco Documentation home page. After you complete the form, print it out and fax it to Cisco at 408 527-0730.

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Cisco Systems
Attn: Document Resource Connection
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San Jose, CA 95134-9883

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Obtaining Technical Assistance

Cisco provides Cisco.com as a starting point for all technical assistance. Customers and partners can obtain documentation, troubleshooting tips, and sample configurations from online tools by using the Cisco Technical Assistance Center (TAC) Web Site. Cisco.com registered users have complete access to the technical support resources on the Cisco TAC Web Site.

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<http://www.cisco.com>

Technical Assistance Center

The Cisco TAC is available to all customers who need technical assistance with a Cisco product, technology, or solution. Two types of support are available through the Cisco TAC: the Cisco TAC Web Site and the Cisco TAC Escalation Center.

Inquiries to Cisco TAC are categorized according to the urgency of the issue:

- Priority level 4 (P4)—You need information or assistance concerning Cisco product capabilities, product installation, or basic product configuration.
- Priority level 3 (P3)—Your network performance is degraded. Network functionality is noticeably impaired, but most business operations continue.
- Priority level 2 (P2)—Your production network is severely degraded, affecting significant aspects of business operations. No workaround is available.
- Priority level 1 (P1)—Your production network is down, and a critical impact to business operations will occur if service is not restored quickly. No workaround is available.

Which Cisco TAC resource you choose is based on the priority of the problem and the conditions of service contracts, when applicable.

Cisco TAC Web Site

The Cisco TAC Web Site allows you to resolve P3 and P4 issues yourself, saving both cost and time. The site provides around-the-clock access to online tools, knowledge bases, and software. To access the Cisco TAC Web Site, go to the following URL:

<http://www.cisco.com/tac>

All customers, partners, and resellers who have a valid Cisco services contract have complete access to the technical support resources on the Cisco TAC Web Site. The Cisco TAC Web Site requires a Cisco.com login ID and password. If you have a valid service contract but do not have a login ID or password, go to the following URL to register:

<http://www.cisco.com/register/>

If you cannot resolve your technical issues by using the Cisco TAC Web Site, and you are a Cisco.com registered user, you can open a case online by using the TAC Case Open tool at the following URL:

<http://www.cisco.com/tac/caseopen>

If you have Internet access, it is recommended that you open P3 and P4 cases through the Cisco TAC Web Site.

Cisco TAC Escalation Center

The Cisco TAC Escalation Center addresses issues that are classified as priority level 1 or priority level 2; these classifications are assigned when severe network degradation significantly impacts business operations. When you contact the TAC Escalation Center with a P1 or P2 problem, a Cisco TAC engineer will automatically open a case.

To obtain a directory of toll-free Cisco TAC telephone numbers for your country, go to the following URL:

<http://www.cisco.com/warp/public/687/Directory/DirTAC.shtml>

Before calling, please check with your network operations center to determine the level of Cisco support services to which your company is entitled; for example, SMARTnet, SMARTnet Onsite, or Network Supported Accounts (NSA). In addition, please have available your service agreement number and your product serial number.

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