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CTC Fails to Initialize Due to JRE Compatibility Issues and Missing Statements in the Java Policy File

Document ID: 64914

Introduction

Prerequisites

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Related Information

Introduction

This document describes one reason for the failure of Cisco Transport Controller (CTC) to initialize, and provides a solution to the problem.

Prerequisites

Requirements

Cisco recommends that you have knowledge of these topics:

- Cisco ONS 15454
- CTC

Components Used

The information in this document is based on these software and hardware versions:

- Cisco ONS 15454 Release 4.5 and earlier
- Cisco ONS 15454 SDH Release 4.5 and earlier
- Java Runtime Environment (JRE) Release 1.3

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Conventions

Refer to Cisco Technical Tips Conventions for more information on document conventions.

Problem

CTC is unable to access the ONS 15454 when you try to launch CTC, and a CORBA failure error message appears (see Figure 1).

Figure 1 CORBA Failure Error Message



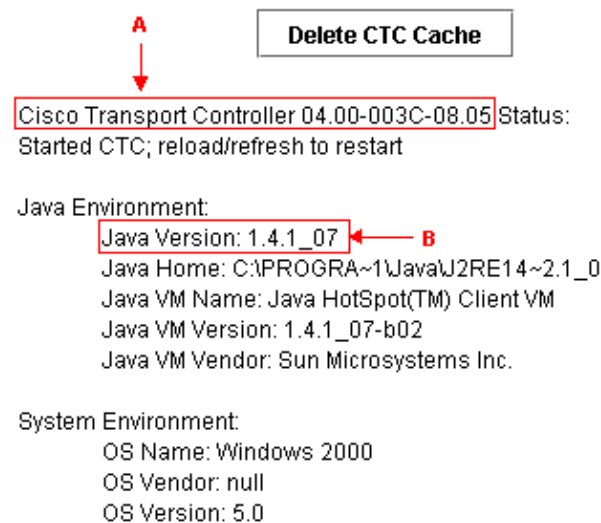
Cause

Two issues cause this problem:

- Java Runtime Environment (JRE) is not compatible with CTC.
- The **java.policy** file does not contain some required statements.

Figure 2 indicates that your ONS 15454 runs release 4.0 (see arrow A), and that you use JRE version 1.4.1_07 (see arrow B).

Figure 2 CTC Java Environment



In order to support Cisco ONS 15454 release 4.0, you must revert to JRE version 1.3. For the compatibility matrix, refer to JRE Download, Installation and Compatible Matrix with CTC for ONS 15454 and 15327.

Note: Cisco ONS 15454 CTC release 4.6 and later versions require JRE version 1.4.2.

Solution

If you have installed more than one JREs on your computer, complete these steps:

1. Select **Start > Settings > Control Panel**.

The Windows Control Panel appears.

2. Double-click **Java Plug-in**.

Note: Sometimes the JRE version does not appear as part of the file name.

Note: The Java Plug-in Control Panel window appears.

3. Check the **Enable Java Plug-in** and **Recycle Class Loader** check boxes in the **Basic** tab.
4. Click the **Advanced** tab.
5. Select the appropriate JRE version from the Use Java Plug-in Default list.
6. Select the **Browser** tab.
7. Select the browser that you use to connect to access ONS 15454.
8. Select the **Proxies** tab.
9. Check the **Use Browser Settings** check box.
10. Select the **Cache** tab.
11. Click **Clear Jar Cache**.
12. Click **Apply**.
13. Close the Java Plug-in Control Panel window.
14. Repeat steps 2 through 13 for all the Java Plug-in folders in the Windows Control Panel list.
15. Open a browser window, and clear the cache. Complete these steps:

- ◆ If you use Netscape:

- a. Select **Edit > Preferences**.

The Preferences dialog box appears.

- b. Expand **Advanced**, and select **Cache**.
- c. Click **Clear Memory Cache**.
- d. Click **Clear Disk Cache**.
- e. Click **OK**.
- f. Close the browser window.
- g. Open a new browser window.

- ◆ If you use Internet Explorer (IE):

- a. Select **Tools > Internet Options**.

The Internet Options dialog box appears.

- b. Select the **Advanced** tab.
- c. Check or uncheck the Java version to reflect the version you need to run.
- d. Close and restart the IE browser.

If you continue to experience problems, complete these steps:

1. Download JRE version 1.3 from the Sun Microsystems web site .
2. Locate the **java.policy** file that Sun Microsystems includes in the standard download.
3. Add this Cisco security modification to the **java.policy** file:

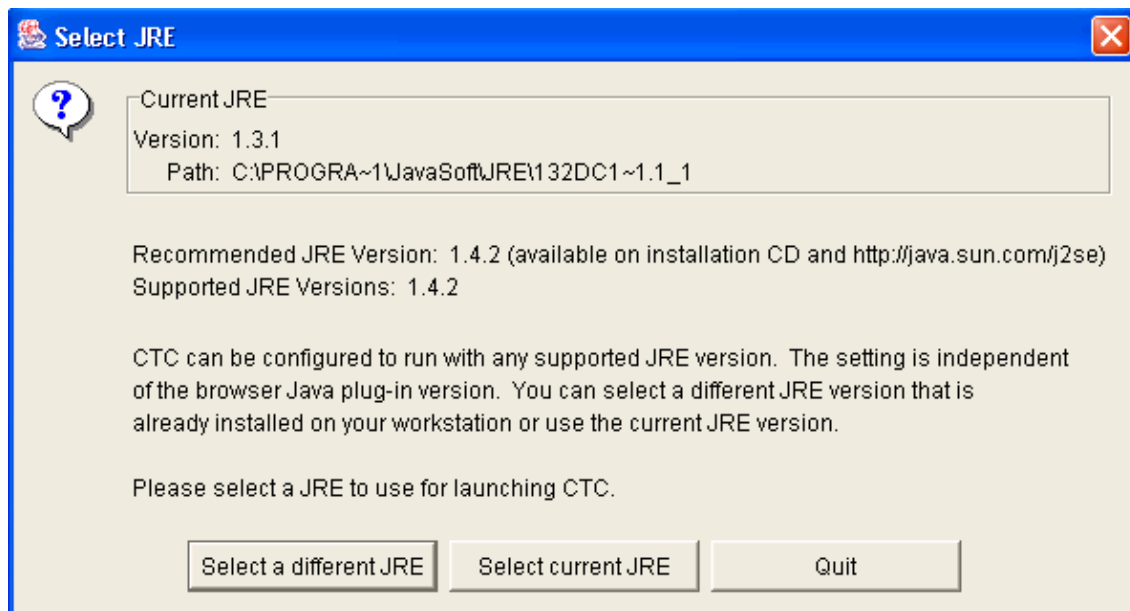
```
!--- Insert this into the per-user or system-wide java.policy file.  
!--- DO NOT OVERWRITE THE SYSTEM-WIDE POLICY FILE: ADD THESE LINES!
```

```
grant codeBase "http://*/fs/LAUNCHER.jar" {  
    permission java.security.AllPermission;  
};
```

If the Select JRE message appears (see Figure 3), click **Select a Different JRE** to continue. Then select the destination folder of the required JRE file on your computer.

Note: Click **Select a Different JRE** only if you know the destination folder of the required JRE file.

Figure 3 Select JRE Message



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NetPro Discussion Forums – Featured Conversations for Optical
Service Providers: Optical Networking
Service Providers: Metro

Related Information

- **JRE Download, Installation and Compatible Matrix with CTC for ONS 15454 and 15327**
- **Technical Support & Documentation – Cisco Systems**

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