

**Oracle® Communications
Offline Mediation Controller**

Nortel CS 2000 AMADNS Collection Cartridge Pack User Guide

Release 6.0

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Oracle Communications Offline Mediation Controller Nortel CS 2000 AMADNS Collection Cartridge Pack User Guide, Release 6.0

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Preface

This document contains guidelines for installing and setting up Oracle Communications Offline Mediation Controller Nortel CS 2000 AMADNS Collection cartridge pack.

Audience

This document is intended for solution designers who configure Offline Mediation Controller cartridges.

Downloading Oracle Communications Documentation

Product documentation is located on Oracle Help Center:

<http://docs.oracle.com>

Additional Oracle Communications documentation is available from the Oracle software delivery Web site:

<https://edelivery.oracle.com>

Related Documents

For more information, see the following documents:

- *Offline Mediation Controller Cartridge Development Kit Developer's Guide*: For information about how to develop a cartridge.
- *Offline Mediation Controller Cartridge Development Kit NPL Reference Guide*: For information about how to use the Node Programming Language for developing or extending a cartridge.
- *Offline Mediation Controller System Administrator's Guide*: For administering Oracle Communications Offline Mediation Controller.

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About this Guide

This chapter contains an overview about Oracle Communications Offline Mediation Controller cartridges.

The scope of this guide includes Offline Mediation Controller as it pertains to the use of this cartridge pack. It is not intended to be a complete Offline Mediation Controller reference guide.

About the Cartridges

Offline Mediation Controller cartridge packs are discrete software components that are developed for the Offline Mediation Controller product. An Offline Mediation Controller cartridge pack offers specific domain behavior on top of the core Offline Mediation Controller software.

An Offline Mediation Controller cartridge pack is not a standalone component; it operates in conjunction with the Offline Mediation Controller core product. Offline Mediation Controller cartridge packs offer the following benefits:

- **Reduced time to market:** Time to market of new services is reduced through simplified development, implementation, and extension of cartridges on customer sites.
- **Extendable:** Cartridges can be extended to include additional services and components that deliver business value, without requiring changes to the original cartridge.
- **Simplified effort:** The effort and technical knowledge that is required to perform customizations is reduced.
- **Ease of installation:** Cartridges can be installed into an Offline Mediation Controller environment without interfering with the existing install base.

Note: Cartridges are designed for a specific technology, software load, and service.

For more information on creating and extending a cartridge, refer to the following documents:

- *Offline Mediation Controller Cartridge Development Kit Developer's Guide:* For information on how to develop a cartridge.
- *Offline Mediation Controller Cartridge Development Kit NPL Reference Guide:* For information on how to use the Node Programming Language for developing or extending a cartridge.

Cartridge Pack Content

An Offline Mediation Controller cartridge contains the following:

- **JAR file:** Contains the cartridge software.
- **Cartridge Pack User Guide:** Contains a description of cartridge pack functionality and installation and configuration instructions.

Cartridge Pack Overview

This chapter contains an overview of Oracle Communications Offline Mediation Controller Nortel CS 2000 AMADNS Collection cartridge pack.

The Nortel CS 2000 AMADNS collection cartridge (CC) pack supports the collection of Nortel CS 2000 SN09 AMADNS records. The AMADNS files produced by the Nortel Communication Server 2000 (CS 2000) will be either FTP pushed to the CS 2000 CC or FTP pulled from the Nortel CS 2000 Carrier Voice over IP softswitch through an intermediate FTP server.

The CS 2000 AMADNS records will be directed from the Nortel CS 2000 AMADNS CC to the appropriate instance of the Nortel CS 2000 AMADNS DC.

New Features

This section lists new features.

Version 6.0.0

This cartridge pack now works with Oracle Communications Offline Mediation Controller 6.0.

Alarms

All Offline Mediation Controller alarms are listed in the **alarms.txt** file located in the *OMC_Home* directory (*OMC_Home* is the directory in which you installed Offline Mediation Controller.) No new alarms are introduced in this cartridge pack.

Installing the Cartridge Pack

This chapter contains information on the requirements for installing and setting up Oracle Communications Offline Mediation Controller Nortel CS 2000 AMADNS Collection cartridge pack.

Pre-Installation Tasks

Complete the following pre-installation tasks before installing the cartridge pack:

1. Ensure Offline Mediation Controller 6.0 is installed.
2. Stop Node Manager, Administration Server, and Administration Client.
3. Delete any existing Nortel CS 2000 AMADNS Collection cartridge .jar files from the *OMC_Home/cartridges* directory, where *OMC_Home* is the directory in which Offline Mediation Controller is installed.
4. Ensure that you have the latest version of the **ama_cdk** cartridge pack installed.

Installation Instructions

In a Solaris or Linux environment, you must install the cartridge pack on every UNIX server running Node Manager or Administration Server.

Installing on a Solaris or Linux Workstation

To install the cartridge pack on a Solaris or Linux workstation:

1. Download the **cs2k_amadns_r6_0_0.jar** to the *OMC_Home/cartridges* directory.
2. Restart Node Manager, Administration Server, and Administration Client.

Post Installation Instructions

After the Cartridge Pack has been installed, restart Node Manager, Administration Server, and Administration Client.

Testing the Cartridge Pack Installation

Verify that the Cartridge Pack has been properly installed by viewing Version Info from the Help menu in Administration Client. The Cartridge Pack name and version information should appear, along with the information about Node Manager, Administration Server, and Administration Client.

Creating and Configuring the CC

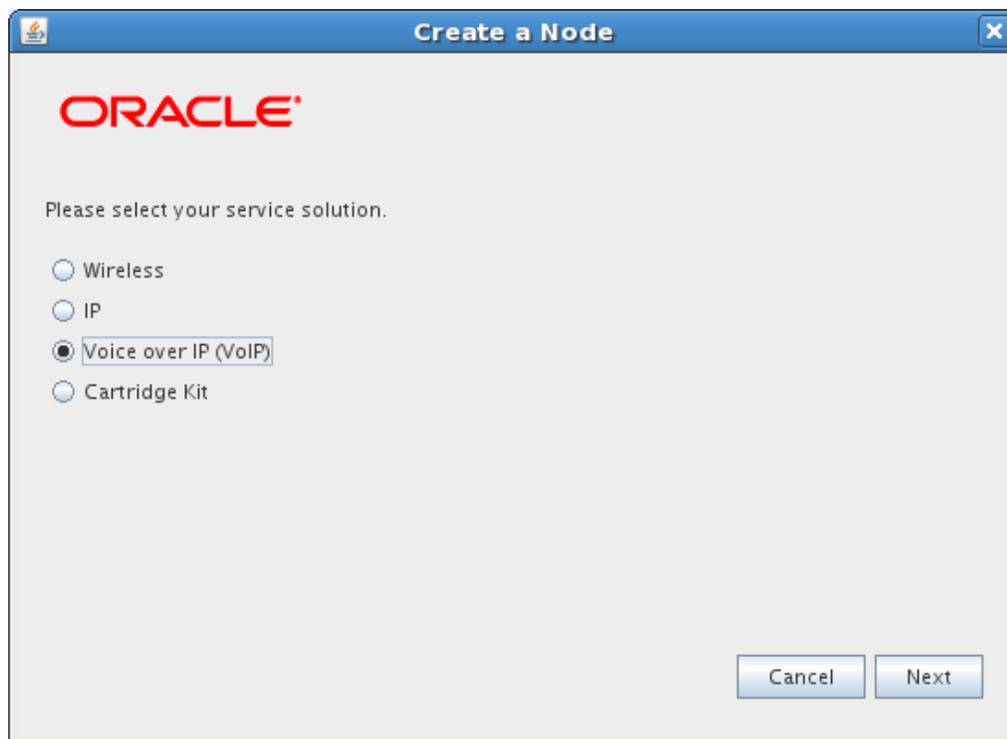
This chapter contains information on the requirements for creating and configuring the Oracle Communications Offline Mediation Controller Nortel CS 2000 AMADNS collection cartridge (CC).

An optional instance of the CS 2000 AMADNS CC can be created to reprocess CS 2000 AMADNS record files when there is no match with the Service Provider Lookup file. The process to create this CC is the same as outlined below except that in the **Rule File** drop-down list, select **Reprocess - NortelCS 2000 SN09 AMADNS**.

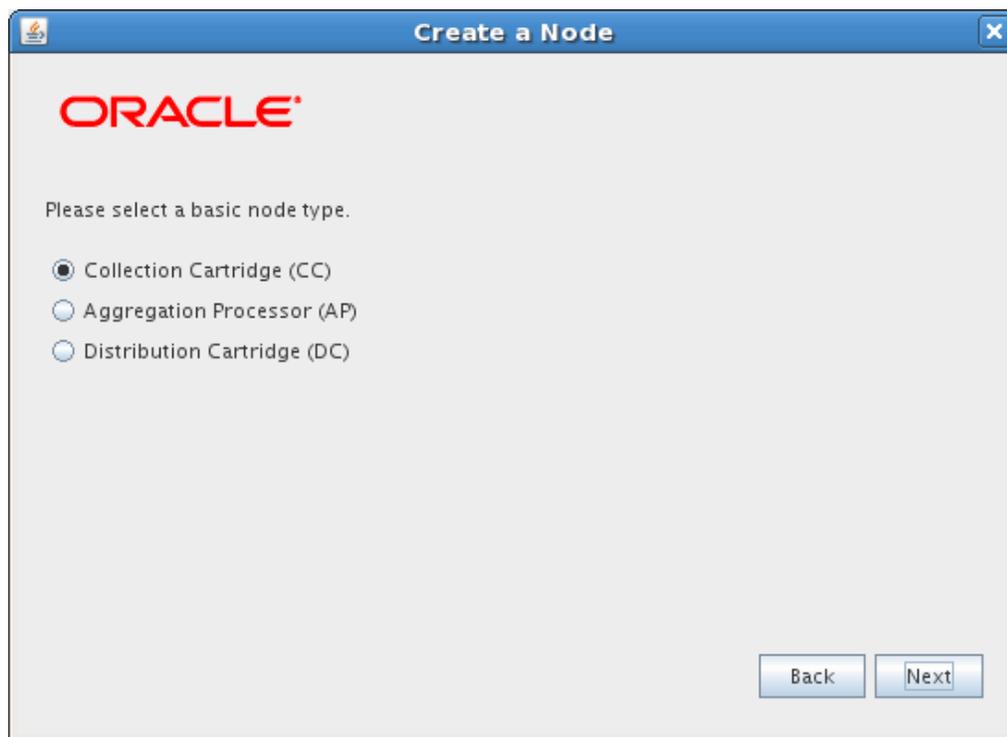
Creating and Configuring the Nortel CS 2000 AMADNS CC

To create and configure the Nortel CS 2000 AMADNS CC:

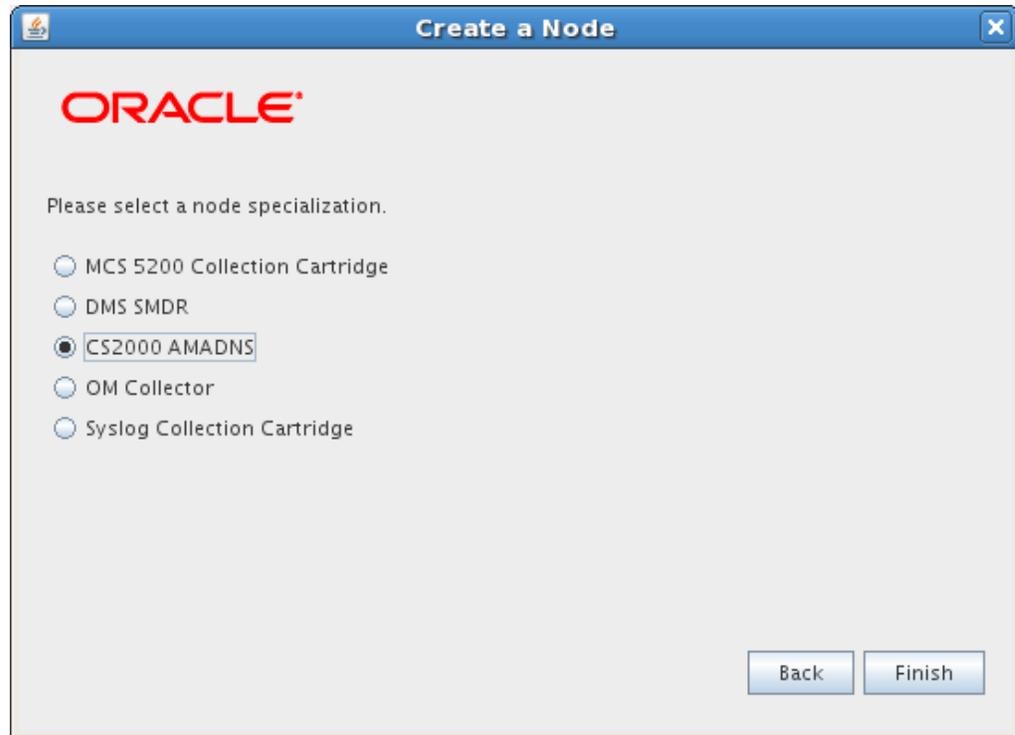
1. Log on to Offline Mediation Controller Administration Client.
The Node Hosts & Nodes (logical view) screen appears.
2. In the **Mediation Hosts** table, select a host.
3. In the **Nodes on Mediation Host** section, click **New**.
The Create a Node dialog box appears.
4. Select **Voice over IP (VoIP)** and click **Next**.



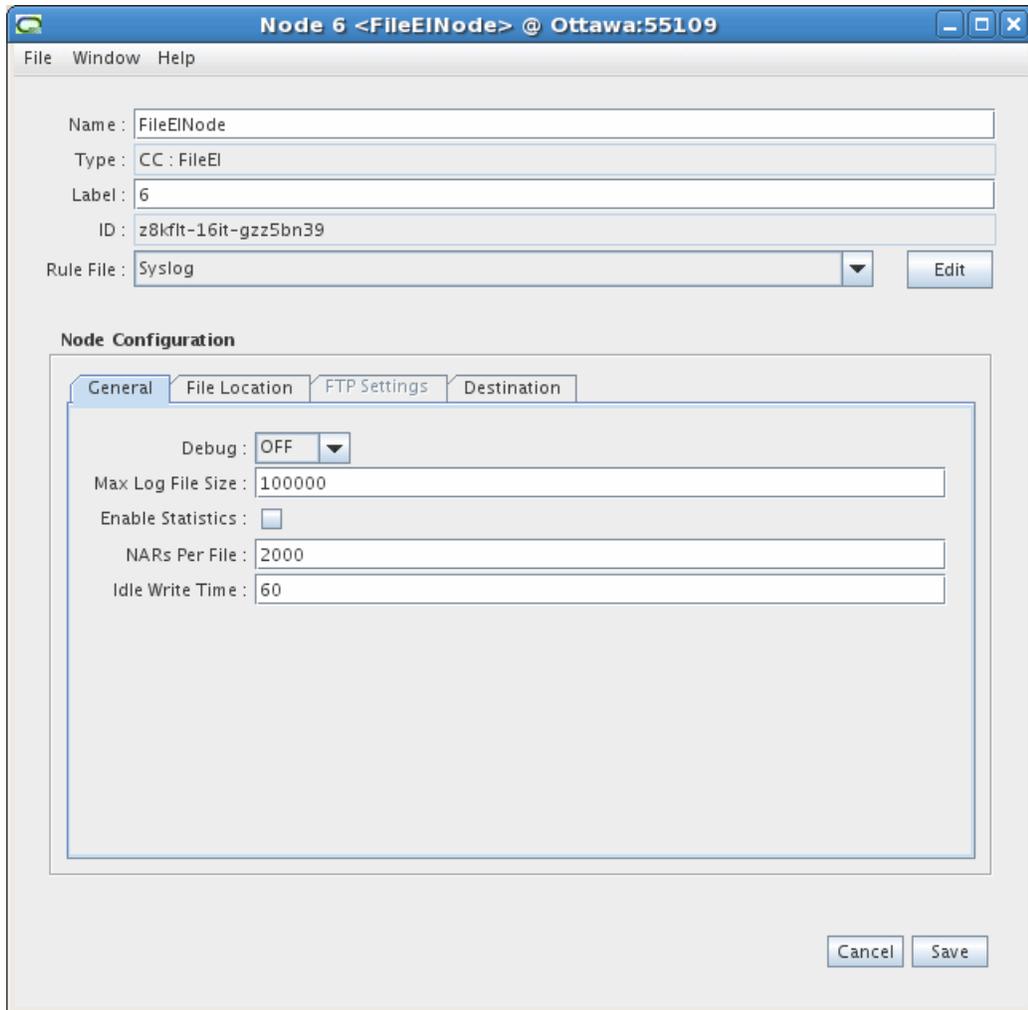
5. Select **Collection Cartridge (CC)** and click **Next**.



6. Select **Nortel CS 2000 AMA DNS** and click **Finish**.

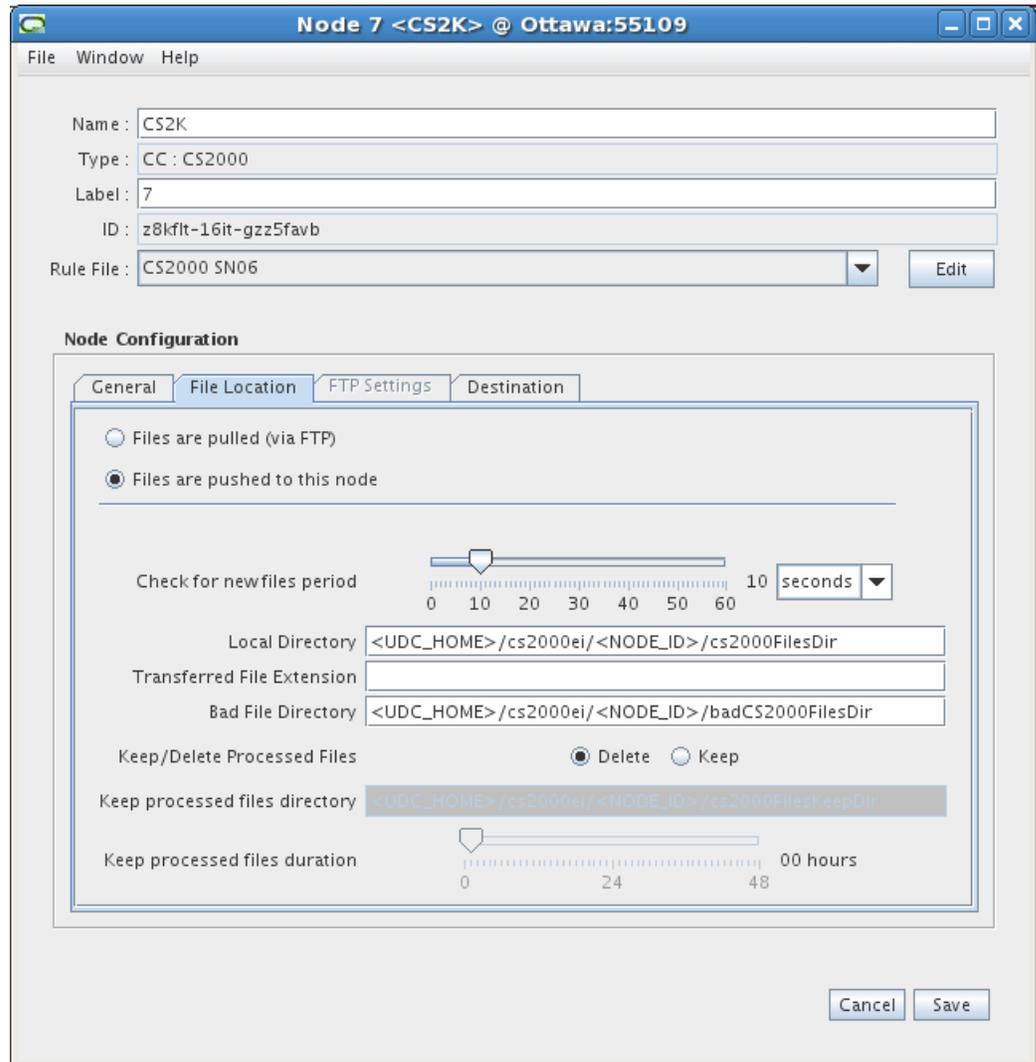


7. In the node configuration window, type a name for the cartridge in the **Name** field.
8. In the **Rule File** drop-down list, accept the default rule file, **NortelICS 2000 SN09 AMADNS**.
9. On the **General** tab, refer to the online help for field definitions. The default field settings are shown in the sample below:



10. On the **File Location** tab, configure the settings to match the desired mode of file transfer. Here are the field definitions:
- If the files are to be retrieved by the CC from an intermediate FTP server, select **Files are pulled (via FTP)**. If the files will be pushed to the CC, select **Files are pushed to this node**.
 - The **Check for new files period** defines the period the cartridge waits before checking the input directory for a new AMADNS file. You can configure this value if you selected the **Files are pushed to this node** option.
 - The **Local Directory** is the location where the retrieved AMADNS files will be placed upon successful file transfer.
 - Select the desired **File Pattern** to identify the input file. When a simple prefix and suffix is not enough to identify an input file, you can refer to JavaDoc for class `java.util.regex.Pattern` to understand how to use regular expression as file filter, or you can contact Oracle Customer Support for assistance in configuring regular expression.
 - In the **Prefix of Files after Collection** field, enter a prefix the CC appends to all files after processing.
 - In the **Suffix of Files after Collection** field, accept the default or enter a suffix the CC appends to all files after processing.

- Select the **Delete Files After Processing** if you want the CC to delete files after it processes them.

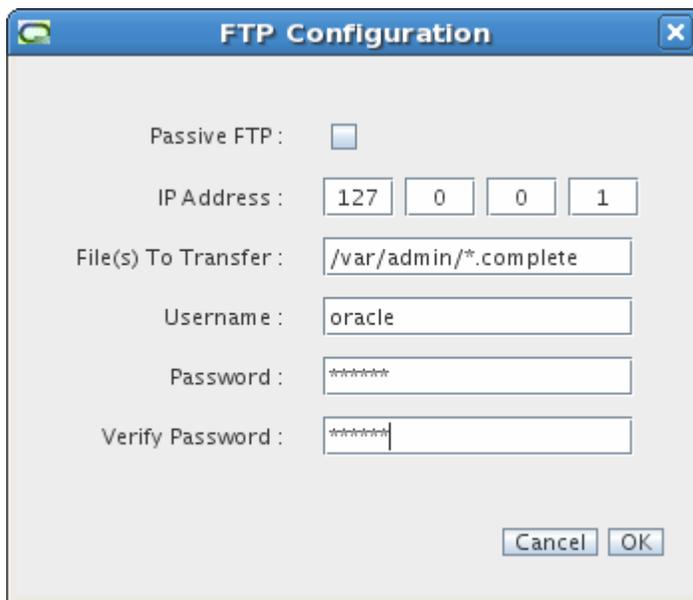


11. The **FTP Settings** tab is active if you select the **Files are pulled (via FTP)** option on the **File Location** tab.

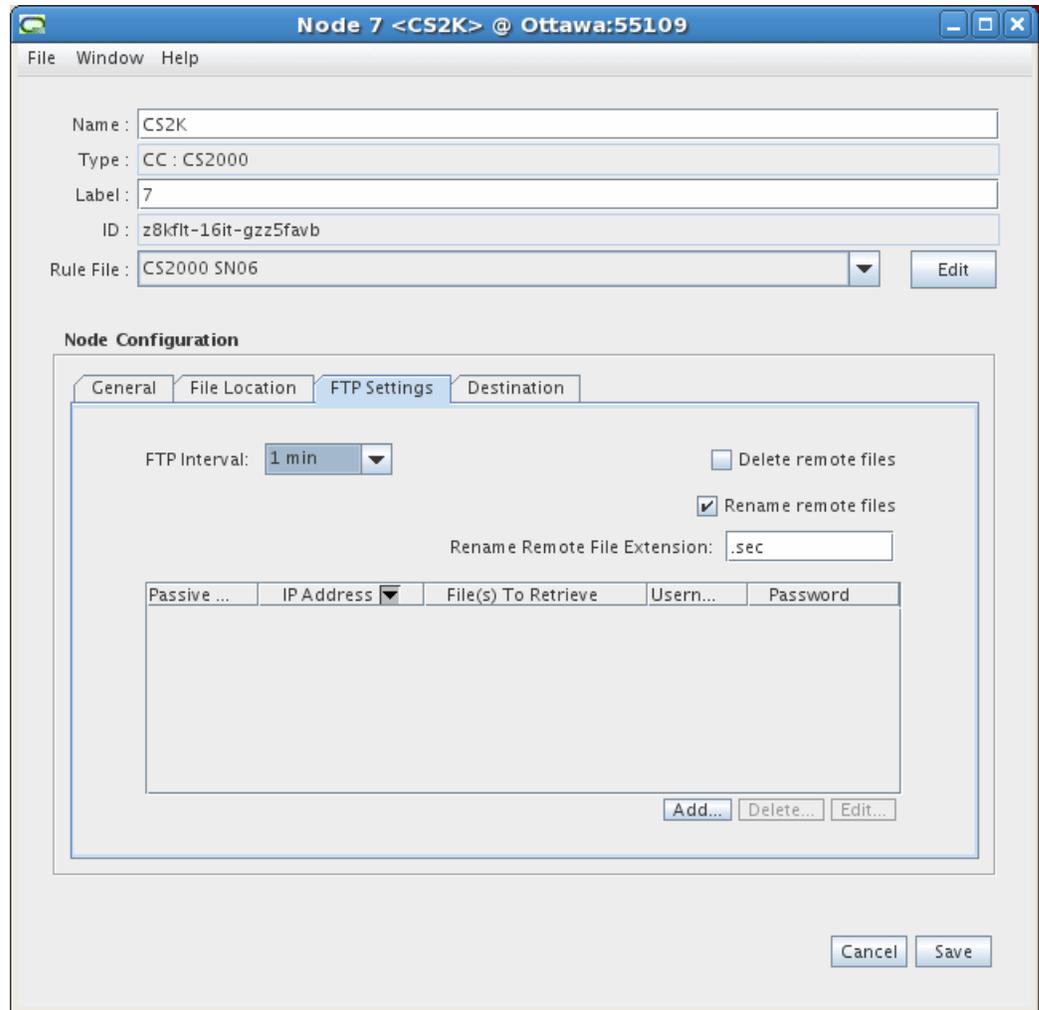
- The **FTP Interval** allows you to select how often the remote files will be retrieved. This setting applies to all remote FTP servers.
- The **Interrupt Timer Delay** allows you to select how long before the files stop being retrieved from the FTP server. Various intervals between 1 and 60 minutes can be chosen from the drop-down list.
- The **Delete remote files** option allows you to choose whether to delete the file on the remote server after the file has been processed by the CC.
- The **Rename remote files** option allows you to choose whether to rename the file on the remote server after the file has been processed by the CC.
- You must choose either the **Delete remote files** option or the **Rename remote files** option.
- Click the **Add** button to add an FTP server configuration.

- The **FTP Configuration** window appears.
- Configure the fields in the **FTP Configuration** window as follows:
 - **FTP Type** - select the FTP method you wish to use: regular, secure FTP (SFTP) or passive
 - **IP Address** - enter the IP address of the FTP server
 - **Username** - enter the user name for the FTP server
 - **Password** - enter the password for the FTP server
 - **Verify Password** - enter the password again to verify its accuracy
 - **Directory** - enter the directory path on the FTP server where the log files reside that you want to transfer. Enter an asterisk (*) after the directory path to pull all files from that directory, or if you know the file type, enter the directory path and file type with an asterisk. For example, **/var/admin/*.complete**
 - **File Pattern** - select the desired file pattern to identify the input file. When a simple prefix and suffix is not enough to identify an input file, you can refer to JavaDoc for class java.util.regex.Pattern to understand how to use regular expression as file filter, or you can contact Oracle Customer Support for assistance in configuring regular expression.

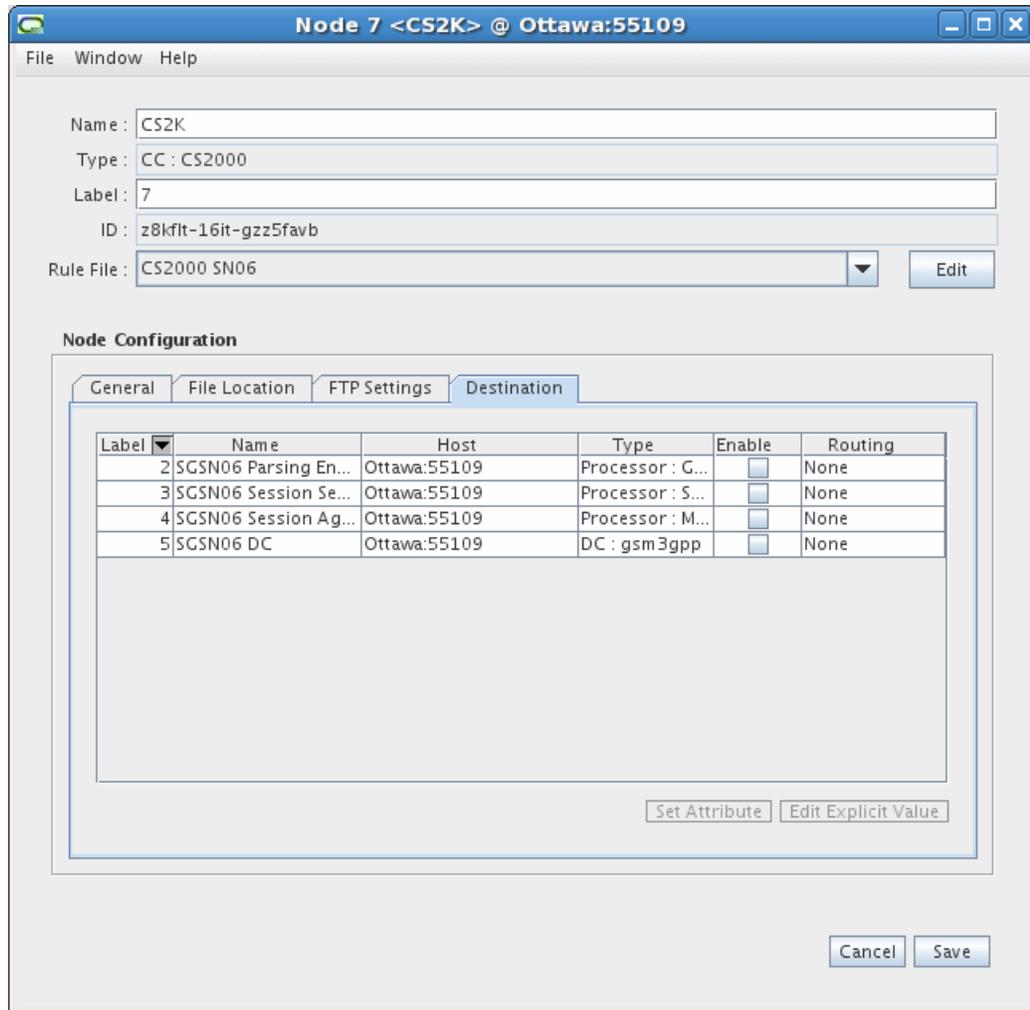
You can **Delete** or **Edit** existing FTP configurations by using the corresponding buttons on the **FTP Settings** tab.
- Click **OK** when you have finished entering values in this window.



- You return to the **FTP Settings** tab. The FTP configuration now appears on the tab.



12. The **Destinations** tab displays the other cartridges in the system and shows which cartridge the current cartridge is connected to, and the type of routing used. You do not need to configure any settings on this tab. An example is shown below. See the *Offline Mediation Controller Online Help* for more information on this tab.



13. Click **Save**.

Uninstalling the Cartridge Pack

This chapter contains information on the requirements for uninstalling Oracle Communications Offline Mediation Controller Nortel CS 2000 AMADNS collection cartridge pack.

Uninstalling the Cartridge Pack from a Solaris or Linux Workstation

To uninstall the Nortel CS 2000 AMADNS collection cartridge pack from a Solaris or Linux Workstation:

1. Go to the *OMC_Home/cartridges* directory, where *OMC_Home* is the directory in which Offline Mediation Controller is installed.
2. Run the following command, which removes the cartridge pack:

```
rm cs2k_amadns_r6_0_0.jar
```

