

**Oracle® Communications  
Offline Mediation Controller**

Nortel DMS-100 MMP AMA 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 DMS-100 MMP AMA Collection Cartridge (CC) 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.

## Documentation Accessibility

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<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit  
<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing  
impaired.

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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.

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

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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.

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## Cartridge Pack Overview

This chapter contains an overview of Oracle Communications Offline Mediation Controller Nortel DMS-100 MMP AMA Collection Cartridge (CC) pack.

The Nortel DMS-100 MMP AMA Collection Cartridge (CC) pack supports the collection of Nortel DMS-100 MMP AMA (I) SN09 records generated by Nortel DMS-100 switches.

The CC will support FTP push of the AMA files from the Nortel SDM to the NM server. Collection of G-CDR is supported.

### New Features

This section lists the 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.



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## Installing the Cartridge Pack

This chapter contains information on the requirements for installing and setting up Oracle Communications Offline Mediation Controller Nortel DMS-100 MMP AMA Collection Cartridge (CC) 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 DMS-100 MMP AMA Collection cartridge .jar files from the *OMC\_Home/cartridges* directory, where *OMC\_Home* is the directory in which Offline Mediation Controller is installed.
4. Install the latest version of the *AMA\_CDK* cartridge pack.

### Installation Instructions

In a Solaris or Linux environment, you must install the cartridge pack on every UNIX server running the 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 **DMS\_100\_MMP\_Collection\_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.



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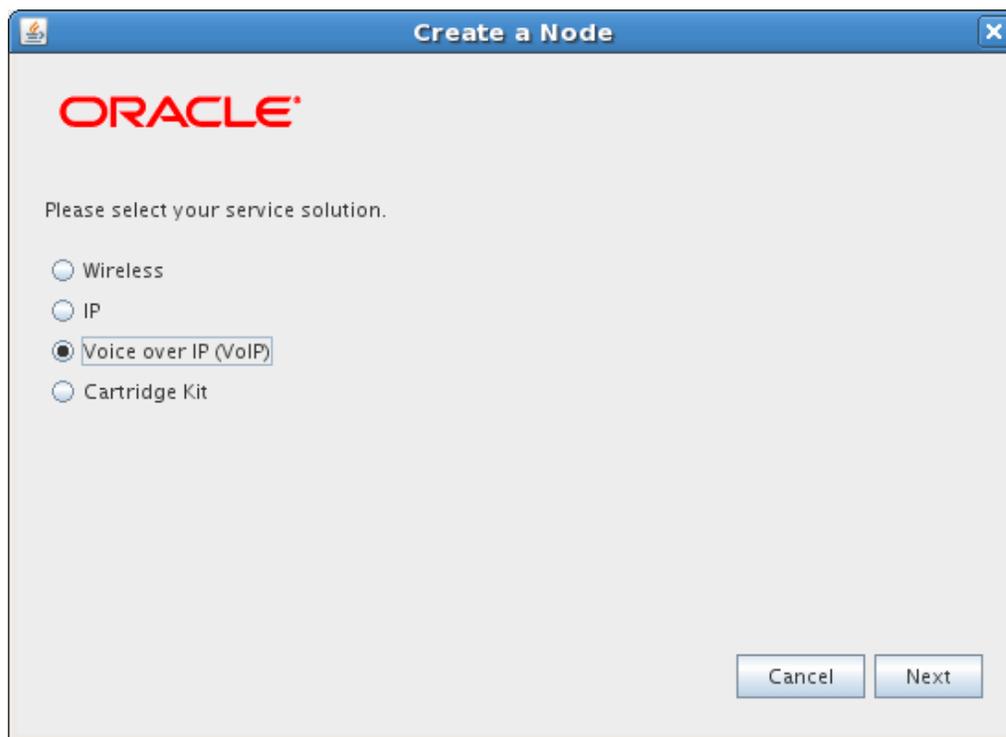
## Creating and Configuring the CC

This chapter contains information on the requirements for creating and configuring the Oracle Communications Offline Mediation Controller Nortel DMS-100 MMP AMA Collection Cartridge (CC) pack.

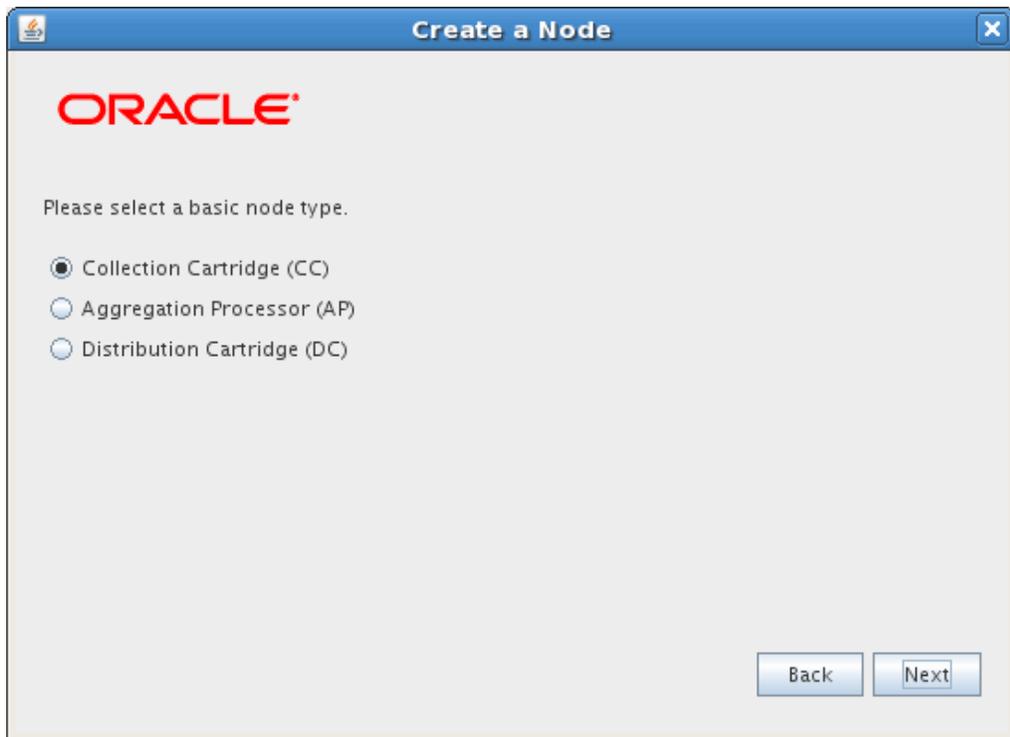
### Creating and Configuring the DMS-100 MMP AMA CC

To create and configure the DMS-100 MMP AMA CC:

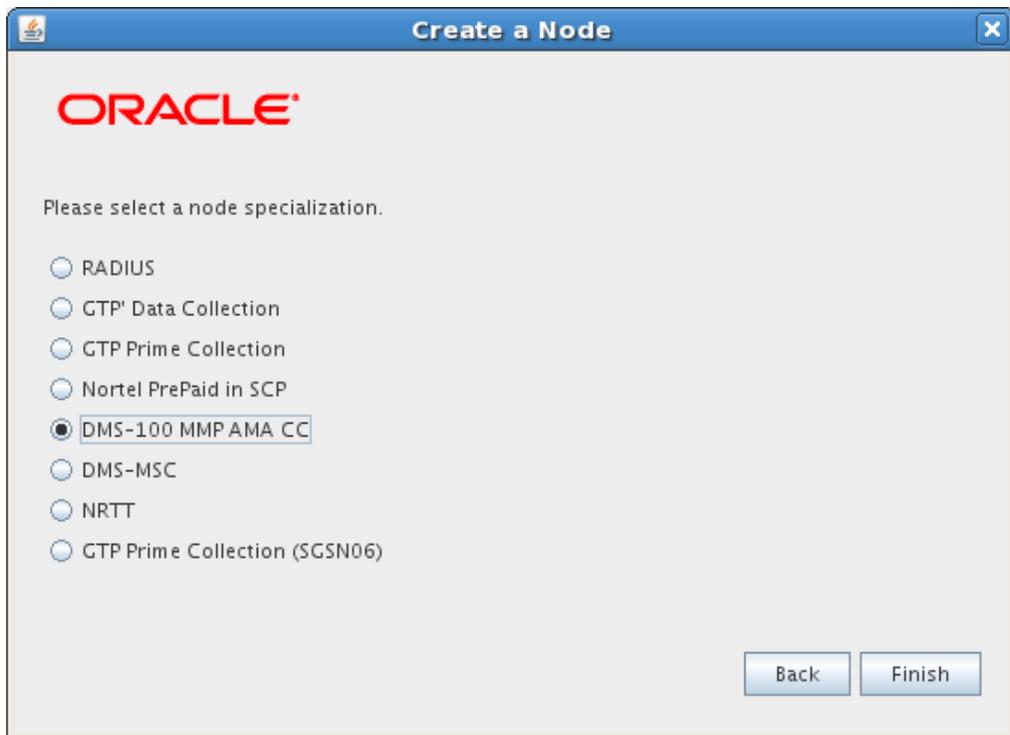
1. Log on to Offline Mediation Controller Administration Client.  
The Node Hosts & Nodes (logical view) screen appears.
2. In the **Mediation Hosts** table, select a host.
3. In the **Nodes on Mediation Host** section, click **New**.  
The Create a Node dialog box appears.
4. Select **Wireless** and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



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



6. Select **DMS-100 MMP AMA CC** and click **Finish**.



The node configuration window appears.

7. Enter a name for the CC in the **Name** field and accept the default rule file. **DMS-100 MMP AMA ISN09**.

8. On the **General** tab, refer to the online help for field definitions. The default field settings are shown in the sample below:

The screenshot shows a window titled "Node 11 <DMS-100 AMA CC> @ Ottawa:55109". The window contains a "Node Configuration" dialog with the following fields and values:

- Name: DMS-100 AMA CC
- Type: CC : AmaFileEl
- Label: 11
- ID: z8kflt-16it-gzz9xktg
- Rule File: DMS-100 MMP AMA ISN09

The "Node Configuration" dialog has four tabs: "General", "File Location", "FTP Settings", and "Destination". The "General" tab is active and contains the following settings:

- Debug: OFF
- Max Log File Size: 100000
- Enable Statistics:
- NARs Per File: 2000
- Idle Write Time: 60

Buttons for "Cancel" and "Save" are located at the bottom right of the dialog.

9. On the **File Location** tab, follow these guidelines to configure the settings:
- Select **Files are pushed to this node** method for obtaining files.

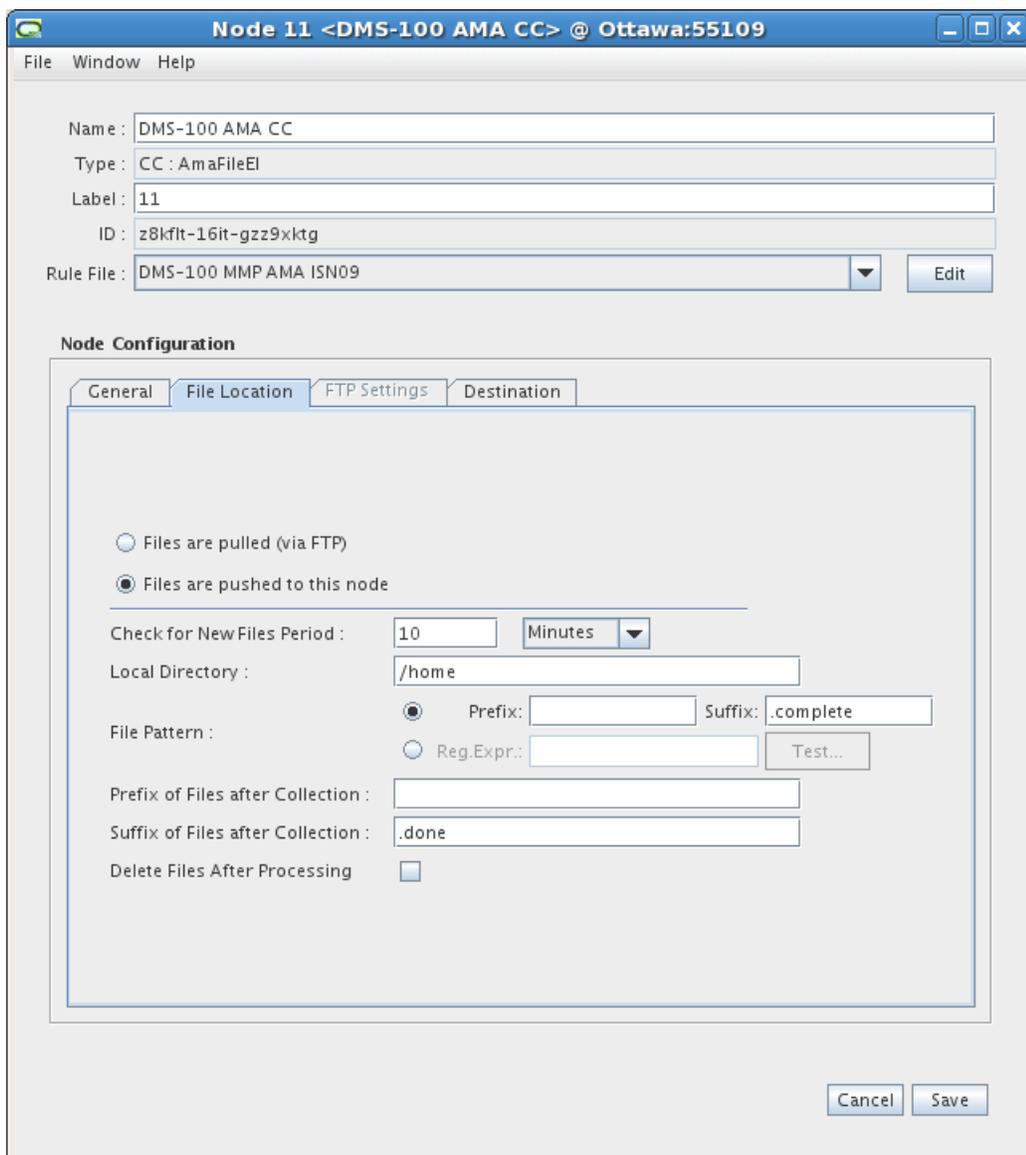
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**Note:** Although the GUI allows FTP Pull to be selected, only FTP Push is supported for this solution.

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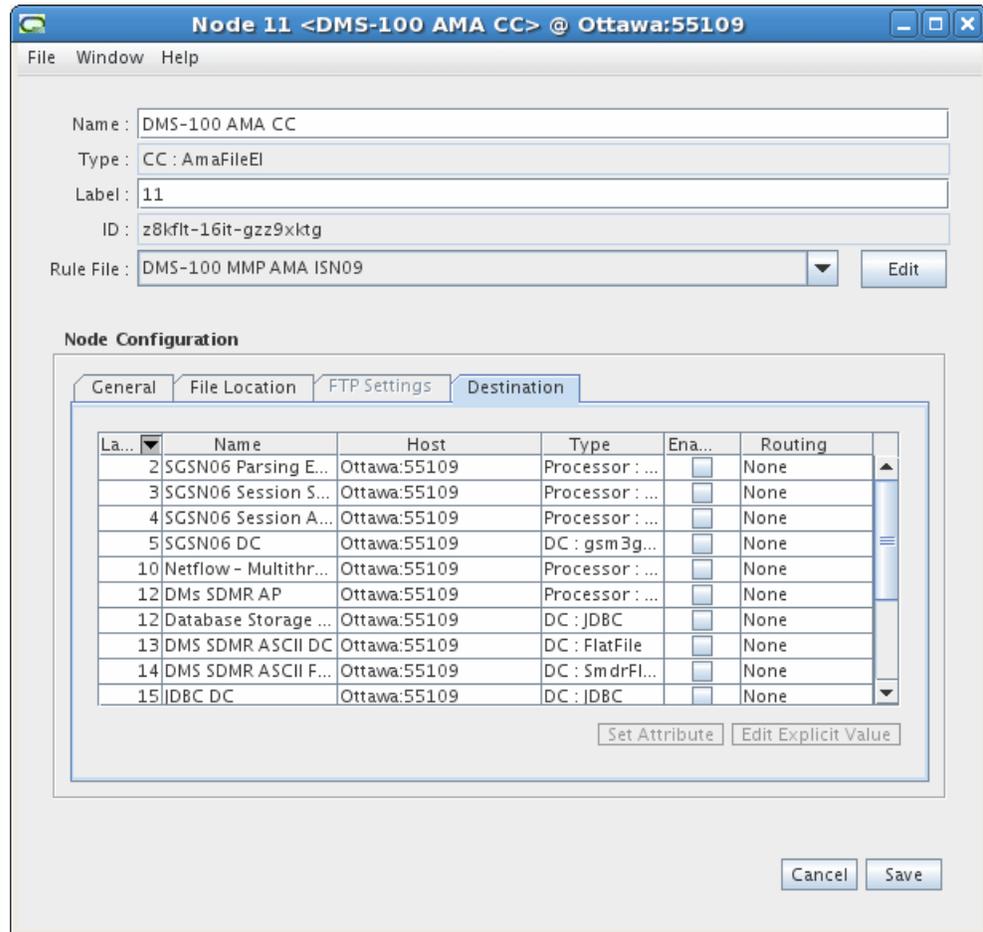
- Set the **Check for new files period** - enter a value in the field and then select seconds or minutes from the drop-down list. This is the amount of time the node waits before checking the input directory for new files. If you have a high data traffic rate, Oracle recommends lowering the time period setting to allow records to be processed more frequently. For this option, you must also set the **Suffix of files to collect** field - accept the default suffix or enter a different suffix so that the CC knows which files to process.

- In the **Local Directory** field, enter the input directory where the node checks for files.
- 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 Global Customer Care 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.



10. The **Destinations** tab displays the other nodes in the system and shows which node the current node 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.



11. Click the **Save** button.



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## Uninstalling the Cartridge Pack

This chapter contains information on the requirements for uninstalling Oracle Communications Offline Mediation Controller Nortel DMS-100 MMP AMA collection cartridge (CC) pack.

### Uninstalling the Cartridge Pack from a Solaris or Linux Workstation

To uninstall the Nortel DMS-100 MMP AMA 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 DMS_100_MMP_Collection_R6_0_0.jar
```

