Oracle® Communications Offline Mediation Controller

Release Notes

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ORACLE®

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Contents

Preface v

Audience v
Downloading Oracle Communications Documentation v
Documentation Accessibility v
Document Revision History v

1 Feature Enhancements

Product Name Change 1-1
Support and Certification 1-1
Security 1-1
Improved User Management in the Administration Server 1-1
Enhanced Security in the Administration Server 1-1
Configuring Session Timeout Between the Administration Server and the Administration Client 1-2
Administration Client 1-2
Opening the Network Accounting Record Editor from the Administration Client 1-2
NMShell Enhancements 1-2
Enhancing the NMShell Command-Line Components 1-2
Adding Mediation Hosts to the Node Manager 1-3
Exporting Node Configuration and Node Customization 1-3
Importing Node Configuration and Node Customization 1-3
Starting All Nodes 1-3
Cartridge Packs 1-3
Support for Oracle Communications Elastic Charging Engine 1-3
Enhancements to the IMS CDF/CGF Cartridge Pack 1-3
Enhancements to the SGSN06 Cartridge Pack 1-4
Requesting Billing Event Records in Multiple Batches 1-4

2 Known Problems

Preface

This book includes information about this release of Oracle Communications Offline Mediation Controller.

Audience

This document is intended for all Offline Mediation Controller users.

Downloading Oracle Communications Documentation

Product documentation is located on Oracle Technology Network:

http://docs.oracle.com

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

https://edelivery.oracle.com

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Document Revision History

The following table lists the revision history for this book.

Version	Date	Description
E26680-01	April 2011	Initial release.

Version	Date	Description
E26680-02	September 2012	Added the following sections: ■ Enhancing the NMShell Command-Line Components ■ Support for Oracle Communications Elastic Charging Engine

1

Feature Enhancements

This chapter provides an overview of the various feature enhancements introduced in Oracle Communications Offline Mediation Controller 6.0.

Product Name Change

For the 6.0 release, the product's name has changed from Network Mediation to Oracle Communications Offline Mediation Controller.

Support and Certification

Offline Mediation Controller now supports the following software:

- Oracle Linux, x86-64 (64-bit) 5 UL3+
- Red Hat Enterprise Linux, x86-64 (64-bit) 5 UL3+
- Oracle Solaris for SPARC (64-bit) 10 Update 4+
- Oracle Solaris for x86 (64-bit) 10 Update 6+
- Oracle 11*g* R2, and Oracle RAC 11*g* R2 databases
- Oracle Unified Directory 11.1.1.5.0

See *Offline Mediation Controller Installation Guide* for information on other software support.

Security

This section describes all security enhancements.

Improved User Management in the Administration Server

Previously, Offline Mediation Controller Administration Server used Open LDAP for user management.

Offline Mediation Controller now uses Oracle Unified Directory for secure and centralized storage for users and user's role information.

See *Offline Mediation Controller System Administrator's Guide* for information about the security enhancements.

Enhanced Security in the Administration Server

Offline Mediation Controller now includes the following security enhancements:

- Secure Sockets Layer (SSL) is used for communication between the Offline Mediation Controller components.
- When you create a user account in Offline Mediation Controller, it assigns a default password policy to that user account.
- Offline Mediation Controller provides two user groups: administrators to manage the operations in Offline Mediation Controller and the general user to view the node and the node host information.
- The Offline Mediation Controller installer stores account passwords (for administrator and general user) in encrypted form in Oracle Unified Directory. The Offline Mediation Controller components can automatically decrypt the passwords when retrieving them from Oracle Unified Directory.

See *Offline Mediation Controller System Administrator's Guide* for information about the security enhancements.

Configuring Session Timeout Between the Administration Server and the Administration Client

You can now configure the session timeout after a preconfigured idle time between the Administration Client and the Administration Server. The session should never expire between an Administration Server and a Node Manager, where user intervention is not expected.

See *Offline Mediation Controller System Administrator's Guide* for information about the session timeout between Administration Server and Administration Client.

Administration Client

This section describes all Administration Client enhancements.

Opening the Network Accounting Record Editor from the Administration Client

You can now open the Network Accounting Record (NAR) Editor from the Administration Client.

See *Offline Mediation Controller System Administrator's Guide* for information about the Record Editor.

NMShell Enhancements

This section describes the NMShell enhancements.

Enhancing the NMShell Command-Line Components

Offline Mediation Controller NMShell now performs the following tasks at the command line:

- Adding Mediation Hosts to the Node Manager
- Exporting Node Configuration and Node Customization
- Importing Node Configuration and Node Customization
- Starting All Nodes

Adding Mediation Hosts to the Node Manager

Before you import the node configuration or customization into a mediation host, you must first add the mediation host to the Node Manager. Offline Mediation Controller now allows you to add a mediation host by using the new **addhost** command.

See "Adding Mediation Hosts to the Node Manager" in *Offline Mediation Controller System Administrator's Guide*.

Exporting Node Configuration and Node Customization

Offline Mediation Controller now allows you to export a mediation host's node configuration and node customization by using the new **export** command.

See "Exporting Node Configuration and Node Customization" in *Offline Mediation Controller System Administrator's Guide*.

Importing Node Configuration and Node Customization

Offline Mediation Controller now allows you to import node configuration and node customization into a mediation host by using the new **import** command.

See "Importing Node Configuration and Node Customization" in *Offline Mediation Controller System Administrator's Guide*.

Starting All Nodes

Offline Mediation Controller now allows you to start all nodes in a mediation host by using the new **startNodes** command.

See "Starting All Nodes" in *Offline Mediation Controller System Administrator's Guide*.

Cartridge Packs

This section describes the cartridge pack enhancements.

Support for Oracle Communications Elastic Charging Engine

Offline Mediation Controller now supports Oracle Communications Elastic Charging Engine. It can now:

- Process the Network Accounting Record (NAR) data.
- Submit the usage requests to Elastic Charging Engine.

The Elastic Charging Engine cartridge pack contains a single Distribution Cartridge (DC) node that creates usage requests based on the input call data records (CDRs) and submits the usage requests to Elastic Charging Engine for processing. The cartridge pack is used with the following existing cartridge packs to process the input records:

- Simple ASCII
- IMS
- SGSN

See *Offline Mediation Controller Oracle Communications Elastic Charging Engine Cartridge Pack User Guide* for more information.

Enhancements to the IMS CDF/CGF Cartridge Pack

The IMS CDF/CGF cartridge pack now complies with the following standards:

- 3GPP Technical Specification 32.298 V10.5
- 3GPP Technical Specification 32.260 V10.4
- 3GPP Technical Specification 32.299 V10.2

See *Offline Mediation Controller IMS CDF/CGF Cartridge Pack User Guide* for information about the IMS CDF/CGF cartridge pack.

Enhancements to the SGSN06 Cartridge Pack

The SGSN06 cartridge pack now includes the following enhancements and updates:

- New SGSN CDR fields based on 3GPP TS 32.251
- Support for 3GPP TS 32.298 V10.5.0 for ASN.1 definition
- Version hiding support for V10.5.0 to 7.3.0 and V10.5.0 to V6.4.1

See *Offline Mediation Controller SGSN06 Cartridge Pack User Guide* for information about the SGSN06 cartridge pack.

Requesting Billing Event Records in Multiple Batches

Previously, the Microsoft IPTV Collection Cartridge (CC) sent a single request for billing event records to the IPTV platform, and the IPTV platform would return the billing event records in one batch over the SOAP/HTTP connection. When there was a high volume of billing event records, the SOAP/HTTP connection often timed out before the IPTV platform could finish preparing and returning the billing event records.

To prevent timeout errors, the CC now allows you to send multiple small requests for billing event records.

You specify how each CC node manages its billing event record requests by using new fields in the Administration Client's **SOAP Settings** tab. Table 1–1 describes the new fields.

Table 1–1 SOAP Settings Tab Fields

Field Name	Description
Timeout	Specifies the timeout value for each connection from the CC to the IPTV platform. The timeout value is specified in minutes or hours. The default is 1 hour.
Start Time	Specifies the starting timestamp for all billing event records that you are requesting. The CC requests all billing event records that were created after the specified start time. The default is the current date and time.
Use Configurable Window	Specifies whether the CC sends a single request or multiple requests to the IPTV platform. ■ When selected, the CC sends multiple small requests for data. The Administration Client also activates the **Start Time**, **Configurable Window**, and **Timeout** fields. ■ When deselected, the CC sends a single large request for data. This is the default.

Table 1–1 (Cont.) SOAP Settings Tab Fields

Field Name	Description
Configurable Window	Used when calculating the ending timestamp for all billing event records that you are requesting. Enter a value and then select **MIN(S)**, **HR(S)**, or **DAY(S)**. The CC calculates the ending timestamp by adding the **Configurable Window** value to the **Start Time** value. The CC requests all billing event records that were created between the specified start time and the calculated end time. For example, if you set **Start Time** to **Jan 1, 20012 12:00:00** and **Configurable Window** to **24 HR(S)**, the CC requests all billing event records that were created between 12:00 pm on January 1, 2012 and 11:59 am on January 2, 2012.

2

Known Problems

There are no known problems to report.