

ORACLE COMMUNICATIONS NETWORK MEDIATION: ENABLING CONVERGENT MOBILE SERVICES



KEY FEATURES

- Provides convergent mediation for usage and content-based billing
- Supports multiple services and multiple network equipment manufacturers
- Provides a standalone network mediation application, as well as integrating with other products
- Delivers carrier-class reliability and scalability
- Offers preintegrated solutions for multiple network domains including mobile
- Increases flexibility through cartridge-based implementation
- Facilitates extensibility through rules and Cartridge Development Kit

The rapid evolution of complex, multiservice IP and mobile networks makes it imperative to find more efficient ways to collect raw data from your network and transform it into useful information. The effective collection and mediation of network data is critical for accurate and efficient billing, reporting and analytics. Oracle Communications Network Mediation is a carrier-class convergent mediation solution designed for multiservice, IP, and mobile networks. It provides comprehensive network data collection, aggregation, and correlation for billing, reporting, and analytics.

Introducing Oracle Communications Network Mediation

Oracle Communications Network Mediation is a carrier-class mediation solution that enables multiservice revenue generation over both fixed and mobile networks by supporting a variety of services including mobile voice, data, video, and content. With this solution, service providers can offer high-value services by transforming raw data from the network into rich customer and service information. Using an innovative, unified approach, it ensures consistency across billing, performance, and analytics and drives down costs by streamlining operational efficiencies.

Oracle Communications Network Mediation

- Performs convergent mediation for billing, reporting, and analytics.
- Provides preintegrated support for multiple services, enabling rapid implementation with decreased cost and risk.
- Provides effective, carrier-class reliability, allowing service providers to minimize revenue leaks caused by missing data.
- Offers virtually unlimited scalability, allowing service providers to continually add new services and expand the services they currently offer.
- Enables flexible pricing and packaging options for different services, including tiered pricing, time-of-day discounts, premium service pricing based on Quality of Service, multiservice discounts, and flat-rate pricing.
- Allows significant extensibility with prebuilt rules-based cartridges. Service providers can modify rules and leverage the Cartridge Development Kit to create new collection, enhancement, and distribution cartridges for new transport protocols and record-encoding structures.

- Supports service providers' revenue assurance processes, enabling the detection and correction of errors, and providing assurance that billable activities are accurately captured and rated.
- Supports IP Multimedia Subsystem (IMS) deployments, a critical component in enabling next-generation IP services and convergence between fixed and mobile networks.

Enabling Mobile Billing

Oracle Communications Network Mediation supports all layers of the network including packet, voice, application servers and IMS. For universal mobile telecommunications service operators, the solution supports the collection of records from the packet core (Gateway GPRS Support Node [GGSN], Serving GPRS Support Node [SGSN]), voice core mobile switching center (MSC), application servers, and IMS core elements. It delivers the Charging Gateway Function (CGF) as specified by the 3rd Generation Partnership Project (3GPP), and goes beyond the basic CGF functionality to provide a convergent mediation solution. For code-division multiple access operators, it supports all layers of the network including the Packet Data Serving Node (PSDN) and AAA server.

Oracle Communications Network Mediation also offers advanced record correlation and enhanced capabilities, with distribution cartridges that support numerous formats and a comprehensive database storage-and-reporting framework. The solution combines subscriber usage information from all layers in the network — allowing service providers to fully understand a subscriber's usage patterns and modify or create service pricing models accordingly. By integrating application server collection and correlation, it allows service providers to go beyond time- and location-based charging to billing for high-value services. The solution also reduces costly modifications to the billing system by reformatting records to shield the billing system from record changes.

"Oracle Communications Network Mediation is a proven, state-of-the-art solution which fulfills all upcoming requirements in the data/voice environment. With this flexible solution, we are able to reduce time-to-market, especially for IP products. We have been using Oracle Communications Network Mediation since our initial GPRS launch and we are pleased to extend its use to support our GSM and UMTS networks."

Walter Goldenits,
Head of Division IT
Mobilkom Austria.

Enabling IMS Billing

The growing focus on IMS and the opportunities and challenges it brings makes it imperative for service providers to deploy a flexible mediation solution that allows them to extract all usage information required for billing system. IMS-based services require a mix of session, event, and subscription-based service pricing, including revenue sharing with partners; and operators need to meet this challenge with flexible pricing models.

The introduction of new IMS network elements—coupled with the ongoing evolution of networks and services over the next decade—makes it imperative for service providers to move away from legacy mediation systems and implement a convergent, flexible mediation solution. Oracle Communications Network Mediation simultaneously supports IMS, voice, and packet networks in a single solution.

KEY BENEFITS

- Reduces implementation time, lowers costs, and reduces risk with preintegrated solutions
- Enables implementation of differentiated service pricing to attract and retain customers
- Optimizes the billing infrastructure
- Shields billing system and other OSS/BSS from network churn

Industry Leadership

Oracle Communications Network Mediation supports the rapid implementation of differentiated service pricing for mobile, IP and traditional services and is deployed by more than 30 service providers worldwide, including Tier 1 service providers Bell Canada, O2, T-Mobile, Mobilkom Austria and China Mobile.

Contact Us

For more information on Oracle Communications Network Mediation, call +1.800.ORACLE1 to speak to an Oracle representative or visit oracle.com.

Copyright 2007, Oracle. All Rights Reserved.

This document is provided for information purposes only, and the contents hereof are subject to change without notice. This document is not warranted to be error-free, nor is it subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document, and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission.

Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.