

INFORMATION DIFFERENTIATES

Oracle Communications Network Mediation

Capitalize on the Rich Usage Information
Locked in Your Network

With convergence fuelling competition and driving demand for highly differentiated services, communications service providers are looking for new ways to gain strategic advantage. Increasingly, they're finding that their network data holds the key.

Oracle Communications Network Mediation lets you unlock the network and service usage data in your network by collecting and transforming it into rich information that can be used by billing, reporting, and analytics applications. Better information translates into a better understanding of how customers and partners are using your network. This is exactly what Oracle Communications Network Mediation provides—an accurate service-level picture of customer activity on the network that lets you offer a range of service pricing and packaging options. And that could be just the edge you need as you tackle the challenges of network and service convergence.

Transform Raw Network Data into Rich Usage Information to Differentiate Your Business

“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 please to extend its use to support our GSM and UMTS networks.”

Walter Goldenits
Head of Division IT
Mobilkom Austria

Multiservice Support

Oracle Communications Network Mediation meets the needs of all communications services, including prepackaged solutions for

- **Wireless.** Collects records from the packet core, circuit core, IMS core, and application servers for current and next-generation services.
- **IP.** Supports industry-leading routers, switches, and IP service platforms.
- **VoIP/Telephony.** Supports traditional and next-generation telephony platforms, enabling a graceful migration from legacy voice networks to IP telephony.

Designed for today’s rapidly evolving fixed and mobile multiservice networks, Oracle Communications Network Mediation collects, enhances, correlates, and aggregates data for business-critical systems like billing, reporting, and analytics across the enterprise. Using a tiered approach, the solution employs three layers to provide an accurate picture of customer usage and network performance:

- **Data collection.** Using a broad range of data formats and transport mechanisms, this layer gathers raw data from multiservice networking equipment and information sources.
- **Processing.** Employing powerful data processing technology, this layer aggregates and enhances the collected data.
- **Distribution.** With support for standards-based and proprietary formats, the distribution layer provides flexible data feeds to multiple downstream systems including billing, reporting, and business intelligence.

For all three layers, configuration, control, status monitoring, logging, and alarm management tasks are controlled through the graphical user interface.

Offer New Services While Leveraging Legacy Systems

Continued strides toward fixed-mobile convergence are bringing all services and networks together, and single-service offerings are no longer enough. Consumers want it all, and service providers are delivering it: Wireless carriers are combining traditional voice services with data services, advanced applications, and content. And service providers are merging dedicated internet access with virtual private networks and other high-value IP services.

Fortunately for carriers, legacy revenue collection systems let you bill across all of these service types—but only if you can access the right data. Getting access to the data you need can be hard because most mediation systems focus on a single service or technology—and lack the scalability and flexibility to keep pace with today’s rapidly evolving multiservice networks.

The move to IP multimedia subsystem (IMS) and session initiation protocol (SIP)-based networks is also creating new challenges for legacy billing systems. Instead of a network element generating a single call detail record (CDR), these networks generate event records continuously during a session. The mediation system now has to create a billable CDR since traditional billing systems do not cope well with event records.

Oracle Communications Network Mediation’s flexible platform provides prepackaged support for a range of services, allowing you to rapidly implement end-to-end network mediation for a wide variety of traditional and next-generation services. This means you can offer innovative new services while still taking advantage of your existing systems.

Differentiate Services with Flexible Pricing and Packaging

With the plethora of services offered by today’s communications providers, flat-rate pricing can hurt business success: Time-of-day discounts, premium-service pricing (based on quality of service and service-level agreements), tiered pricing (in which flat-rate pricing is applied until a specified level of usage is reached), and multiservice discounts are just some of the options that customers expect today.

Yet time-to-market pressures and scarce IT resources often force providers to introduce services with flat-rate pricing: They simply don't have the time to develop the custom data collection systems needed to support flexible pricing, bundling, and discounting. And by the time they do, their customers have grown accustomed to the flat-rate model and are reluctant to change—or worse, they've transferred their business to a more flexible competitor.

Oracle Communications Network Mediation solves this problem by letting you offer attractive, differentiated services right from the start. In a matter of hours, you can implement and activate a powerful (and easily maintained) mediation solution that offers immediate support for prepackaged service solutions and flexible pricing models.

Reduce Time to Market and Operational Costs

Rapid service introduction is critical in order to stay competitive. Oracle Communications Network Mediation provides a set of pre-integrated solutions that provide the required collection, processing, and distribution support with minimal customization required. These pre-integrated solutions reduce the costly and lengthy integration efforts typically associated with initial deployments of mediation and billing applications.

Ensure Information Consistency

Like flat-rate billing, closed network environments are quickly becoming a thing of the past as market forces drive communications carriers to open up network data to partners, customers, and even competitors. But collecting and processing billing and performance data across multiservice networks is no easy task: Patchwork mediation systems set up for different services just aren't up to the task.

Oracle Communications Network Mediation meets this challenge by providing a unified data collection approach that optimizes systems and increases information consistency across applications. It provides a single mediation solution that meets all of the data collection and processing requirements of your billing, reporting, and analytics functions. And that means you can open your systems to customers and carriers with confidence that you'll be able to accurately monitor and bill for network usage.

Deliver "Carrier-Class" Reliability

Lost billing data equals lost revenue—which is precisely why choosing a "carrier-class" billing mediation solution is a key decision for any business experiencing rapid growth.

As a software-based solution offering virtually unlimited scalability, Oracle Communications Network Mediation lets you rapidly increase or decrease capacity as your business needs evolve. What's more, it supports a high availability (HA) deployment, ensuring peak performance and full reliability even under the heaviest loads

Key Features

- **Convergent Mediation Platform.** Supports virtually any mediation requirement.
- **Single Billing and Mediation Solution.** Offers prebuilt integration with Oracle Communications Billing and Revenue Management.
- **Flexible Pricing and Packaging Options.** Supports highly differentiated service offerings.
- **Unified Data Collection.** Drives information consistency enterprise-wide across billing, reporting, and analytics applications.
- **Prepackaged Solutions.** Integrates with multiple technology domains and vendor equipment.
- **Rules-Driven Architecture.** Delivers maximum configuration flexibility.
- **Carrier-Class Reliability and Scalability.** Provides high-performance processing and redundancy with multithreaded platform and HA deployment.
- **Cartridge Development Kit (CDK).** Quickly creates new data collection, enhancement, and distribution cartridges.

CONTACT US

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

Outside North America, visit oracle.com/corporate/contact to find the phone number for your local Oracle office.



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