

Telcordia® Resolver

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Route and rate worldwide voice and data traffic cost effectively

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Manage your increasingly complex address resolution needs

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Future-proof your solution with a scalable, open architecture

Telcordia® Resolver enables service providers to reliably and cost-efficiently route and rate their voice and data traffic to destinations worldwide, without expensive or proprietary hardware implementations. It combines a future-proof query response platform and a uniform numbering information resource to handle voice, data, and emerging IP-based services. It also answers the routing challenges of number portability, the never-ending changes to national numbering plans, and providers' constant need to trim expenses and improve profits.

- ▶ The exponential growth of voice, data, and mobile messaging providers and plans — along with global number portability and the introduction of new IP-based services — make address resolution an increasingly complex proposition. Keeping up requires precious resources that providers would often prefer to use elsewhere. Telcordia Resolver offers a cost-effective, yet highly scalable and reliable platform of redundant off-the-shelf databases and servers. Resolver supports ENUM, XML, and SOAP formatted queries for routing and rating data, and is engineered for high availability and performance through a clustered environment that manages queries and external number resolution data.

Resolver imports the numbering resolution data in the form of global dial codes and number portability-corrected routing data. This flexible system allows you to obtain numbering data from your own internal databases, from the authoritative Telcordia® Mobile ID subscription service, or from other external sources of numbering information.

A COST-EFFECTIVE AND FLEXIBLE HIGH-PERFORMANCE PLATFORM

Telcordia Resolver is database agnostic, so it can use any suitable off-the-shelf database, including open source MySQL through the Java Database Connectivity (JDBC) API. Resolver utilizes open and configurable



interfaces, which offer flexibility, lower integration costs, and simpler operations, thereby minimizing total cost of ownership.

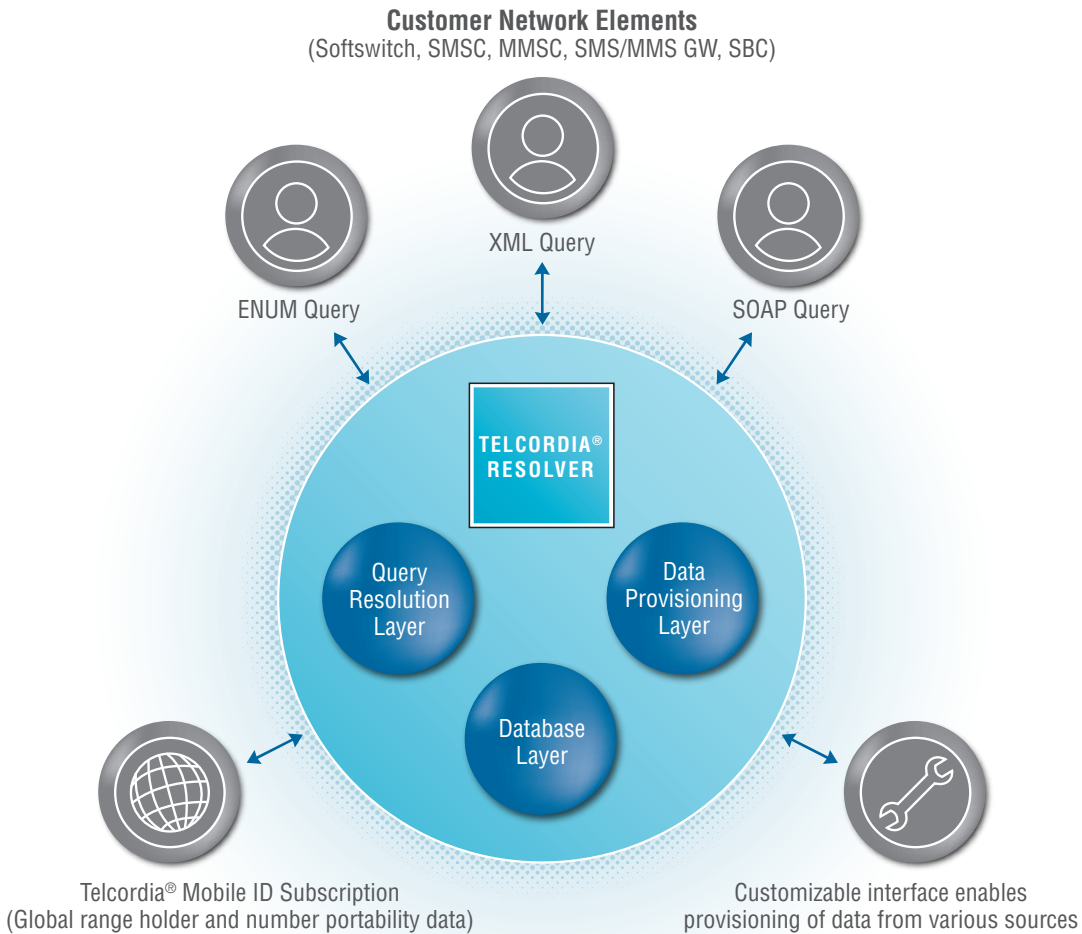
Because of its scalable architecture with clusters and multiple nodes, Resolver can accommodate a very high demand for capacity, simply by adding additional nodes. The baseline configuration is robust, and can handle several thousand ENUM, XML, or SOAP queries per second, along with one billion telephone numbers, with the ability to further increase query capacity and data set size if necessary.

TELCORDIA RESOLVER FEATURES:

- Cost-effective deployment and operation with open-source databases
- Easy integration with standardized and configurable interfaces, including ENUM, XML, and SOAP

- **TELCORDIA INTERCONNECTION SOLUTIONS**
- Telcordia Interconnection Solutions is a global leader in number portability, mobile messaging, and global number information exchange. Our registries, clearinghouses, and technology enable service providers to extend service reach, reduce OPEX, and minimize revenue leakage.

Telcordia® Resolver Architecture



- Highly scalable query-response capacity and telephone number data set size
- Low latency query-response system (<10ms)
- A design to achieve 99.999% availability
- Compatibility with the Telcordia Mobile ID subscription service, offering authoritative numbering data
- Simple management, provisioning, and configuration with SNMP version 2 interface, standard Management Information Base (MIB) support, and an administrator GUI with Secure Shell (SSH) login.

TELCORDIA INTERCONNECTION EXPERTISE

Telcordia has long been a leader in the design and implementation of trusted and authoritative telecom databases and national and international clearinghouses, with a track record that literally goes back decades. That expertise includes the integration of national numbering databases with operator back-offices worldwide. Our interconnection solutions are known for being highly available, secure, scalable, and cost-effective platforms with open, configurable interfaces. Telcordia has deployed complete, end-to-end solutions in major markets for leading providers worldwide.

COMPLETE THE SOLUTION WITH ROUTING DATA

Telcordia Resolver is database and hardware agnostic, and you can draw routing and rating data from whatever source best meets your needs. However, if you wish to simplify your solution, Resolver plus Telcordia Mobile ID offer you a complete, one-stop alternative to securing your own data. Mobile ID is a subscription service that delivers continuously updated, number portability-corrected routing and global dial code information you can trust.

Address resolution needs are only increasing as countries adopt number portability worldwide and new advanced IP-based services emerge. Let Telcordia help ease the burden — both in financial and human resources. Telcordia Resolver can offer a simple, open, and cost-conscious way to ensure your routing and rating are accurate, so you can provide a better user experience, and be paid fully for the services you provide.

AT A GLANCE

- Telcordia Resolver helps international carriers, mobile messaging providers, and mobile network operators tackle address resolution needs by:
- Efficiently managing routing and rating data
- Integrating with off-the-shelf hardware and database solutions
- Reducing cost and complexity
- Providing a scalable, open platform for growth
- Offering an authoritative numbering resource.



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