



PRODUCT SHEET

TruNumber Resolver

Reliable, Cost-effective Routing and Rating

TruNumber® 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 IP-based services make address resolution an increasingly complex proposition. Keeping up requires precious resources that service providers would often prefer to use elsewhere. TruNumber Resolver offers a cost-effective, yet highly scalable and reliable platform of redundant off-the-shelf databases and servers. TruNumber 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. TruNumber Resolver imports the numbering resolution data in the form of global dial codes and number portability-corrected routing data. This flexible system allows service providers to obtain numbering data from their own internal databases, from the authoritative TruNumber® Protect and TruNumber® Routing subscription service or from other external sources of numbering information.



At a glance

TruNumber Resolver helps international carriers, mobile messaging providers, and mobile network operators tackle address resolution.

A Cost-Effective and Flexible High-Performance Platform

TruNumber 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. TruNumber Resolver utilizes open and configurable interfaces, that offer flexibility, lower integration costs and simpler operations, thereby minimizing total cost of ownership. Because of its scalable architecture with clusters and multiple nodes, TruNumber 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.



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TruNumber Resolver Features:

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

TNS Interconnection Expertise

TNS 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. TNS has deployed complete, end-to-end solutions in major markets for leading providers worldwide.

Complete the Solution with Routing Data

TruNumber 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, TruNumber Resolver plus TruNumber Routing and TruNumber Protect offer you a complete, one-stop alternative to securing your own data. TruNumber Routing and TruNumber Protect are subscription services that deliver 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 TNS help ease the burden - both in financial and human resources. TruNumber 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.



Find out how TNS can help you with a wide range of telecom solutions:

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