



DATA SHEET



KEY BENEFITS

Lowers and Controls Operational Costs

Enables efficient management of subscriber and network information and flexible routing capabilities. Migrates routing and service subscription policies away from individually managed devices to a central common registry. Facilitates interoperability within multi-service/multi-vendor environments.

Directory Services for Address Resolution

The directory services provide address resolution for both intra-domain and inter-domain SIP and ENUM/DNS routing, and is managed through a tiered architecture so service providers can assign and control levels of access to their network.

Reduces Capital Expenditures

The VeriSign Network Routing Directory provides a flexible, highly scalable infrastructure that allows sharing of network resources, reducing the need for multiple platforms.

VeriSign® Network Routing Directory

The VeriSign® Network Routing Directory is a common, multi-service registry that establishes a centralized environment for the management of diverse IP network systems. The Network Routing Directory acts as a master directory containing the subscription-related information to support the network entities that handle both intra-domain and inter-domain calls and sessions. With the VeriSign Network Routing Directory, you can lower and control operational costs while introducing new services quickly and cost-effectively.

+ Integrating the “Service Islands”

Distributed network architectures allow for the unbundling of transport, media processing, call control, and applications—enabling more rapid introduction of new services built on packet telephony solutions. However, these solutions are often dependent on specific network elements resulting in vertically integrated point solutions, creating “service islands.” While service islands may be quick to deploy, as more applications are deployed in this manner, they often have undesirable characteristics—replicated subscriber profiles, service translations, and network routing data; closed environments that are not supportive of multi-vendor supplier strategies; and limitations in bundling of services.

The VeriSign Network Routing Directory provides a single point of entry for network logic instead of managing different routing and subscriber logic on all platforms, and it allows you to integrate the service islands for more efficient and cost-effective network management.

+ New VoIP Services—Reach New Markets

Key to revenue growth and reducing subscriber churn is the ability for carriers to offer multimedia and advanced IP services. As the demand for multimedia services broadens, wireless and wireline carriers are converging on 3GPP IP Multimedia Subsystem (IMS) architecture that allows the carrier to combine multimedia services and integrate them with those of traditional telephony. Similar to the IMS Home Subscriber Server, the VeriSign Network Routing Directory introduces technology to support these network changes and facilitate the rapid introduction of new revenue-generating services, as well as enabling the integration of VoIP networks for inter-domain sessions, and integrated HLR (Home Location Registration) routing for WiFi-to-cellular roaming.



Where it all comes together.™



Quick Introduction of New Services

Facilitates service bundling and integration of multimedia and traditional telephony services, and supports multi-vendor environments as well as plug-and-play, "best-of-breed" services.

An End-to-End Solution

End-to-End VoIP requires more than just a directory to ensure the call is secure and the originating network can talk to the terminating network. The VeriSign Network Routing Directory is a complete service, providing directory, interoperability, security, and application delivery.

The Network Routing Directory serves as a bridge into a robust application layer enabling advanced IP services such as vanity addressing, number translation, point-to-point video, collaborative workflow, and customized user services. Reach new markets with VoIP offerings for SOHO (small office/home office) and teleworkers connecting to enterprise IP PBXs, securely link VoIP deployments with other VoIP and cellular providers, and give enterprises the ability to interconnect IP PBXs and IP endpoints.

+ Flexible Central Registry

The VeriSign Network Routing Directory offers a secure, trusted directory that serves as a central registry for managing the core network data—addresses, subscriber, and service location profiles—that fuel more efficient and cost-effective network routing, and the rapid introduction of enhanced IP-based services. The VeriSign Network Routing Directory supports both ENUM (Electronic Number Mapping) and SIP (Session Initiation Protocol) protocols, as well as the Signaling System 7 (SS7), providing access to key directory components for route optimization, rules and policy enforcement, and translations. The Network Routing Directory service includes several tiers of routing and directory for VoIP, including inter-carrier, intra-carrier, application location and priority, and profiles of all subscribers—including enterprises, consumers, and small businesses—allowing carriers to offer a diverse range of services for all areas of business.

The VeriSign Network Routing Directory allows storage and access to information essential for providing IP-based services for providing IP-based services via a Web-based portal. The Directory includes:

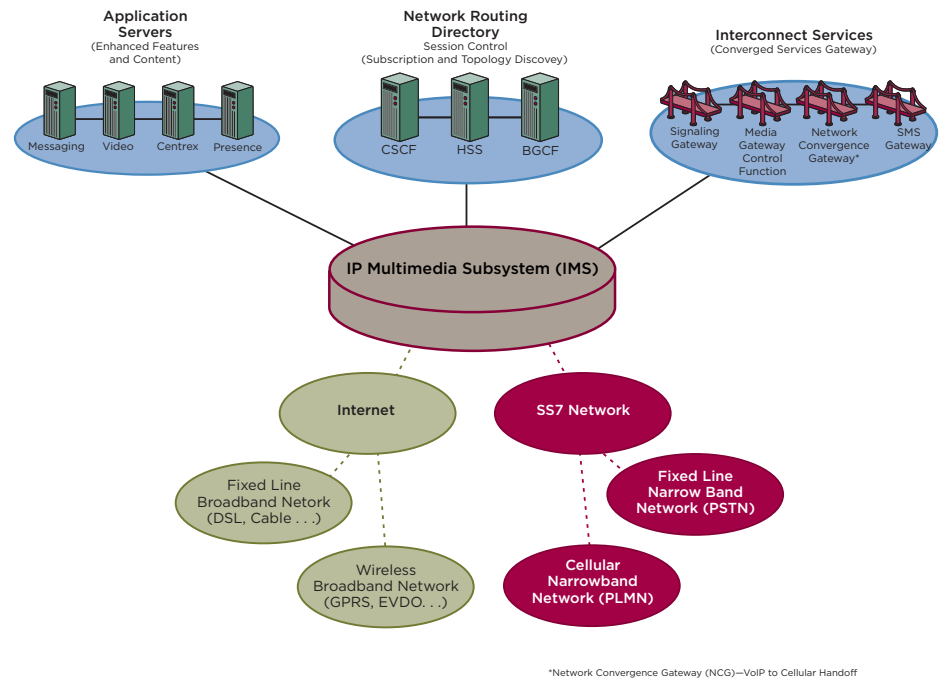
- **Subscriber information**—capabilities, presence, location, and service subscriptions for each user in a local domain
- **Service profile**—list of applications available to subscribers, with contact addresses, priorities, and feature-ordering lists
- **Telephony routing**—network-wide addressing and location, including support for standard route-update mechanisms such as TRIP and TGREP
- **AAA information**—authentication and authorization information
- **IN-services**—access to downstream translation and control databases, including calling name, number portability, and number translation

The VeriSign Network Routing Directory provides core functions for superior management of your network operations.

- **Registration**—which users, devices, and content are allowed to connect to your network, and who is currently connected
- **TN (telephone number) discovery**—where they are in the network
- **Carrier select**—whether the subscribers are part of an external network
- **Core call routing**—how to get there in the fastest, most secure, and highest-quality manner
- **Service discovery**—what features are associated with the call

The VeriSign Network Routing Directory offers a secure, trusted directory serving as a central repository for network and subscriber information.

VeriSign Next Generation Managed Services Infrastructure



Migrating routing and service subscription policies away from individually managed devices to a central common registry facilitates interoperability within multi-service/multi-vendor environments.

+ Reliable, Secure Service—Flexible Deployments

With unmatched experience in managing networks for both the Internet and switch-based services, VeriSign is in the unique position to offer our customers the core infrastructure management that enables innovative new services. The VeriSign Network Routing Directory is based on the same technology that fuels the largest DNS implementation in the world—supporting more than 14 billion daily transactions and providing the trusted global root to the Internet—for high scalability and availability. The VeriSign Network Routing Directory is a fully-managed, outsourced service that saves you capital costs and operational resources.

Visit us at www.VeriSign.com for more information.