

Sonus Centralized Route Server Solution

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A SONUS NETWORKS SOLUTION

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Sonus brings all of
 your network's call
 routing into the IP core,
 enabling network
 operators to efficiently
 route calls over an
 IP network from a single,
 centralized server.

Sonus[®] Centralized Route Server Solution

You know the difference between route and wrong. And even an IP core won't help you if your routing intelligence is spread out among individual switches. Your network needs to be smart where it counts: in the center. And nobody builds smarter networks than Sonus Networks.

In a traditional voice network, subscriber routing and policy information are stored on the local switch. As networks have grown, this "individuality" of intelligence has resulted in a plurality of problems, from inefficient call routing to costly upgrades every time routing information changes. Sonus has a simple solution: store all of the network's subscriber and policy information in a central, master location within the IP core network.

Using the advanced PSX[™] policy and routing server, the Sonus Centralized Route Server solution brings all of your network's call routing into the IP core, enabling network operators to efficiently route calls over an IP network rather than through a series of tandem switches. This centralized routing scheme allows network operators to bring their voice networks into the 21st century, where they can enjoy the lower operating costs of IP technology, enhanced features and more efficient use of their existing network resources.

A SINGLE ENGINE DRIVES THE NETWORK / Today's voice networks are often large and complex systems featuring a mixture of circuit and packet switches from multiple vendors. The Sonus solution creates simplicity with a centralized routing engine that drives even the most complex multivendor, multi-switch networks. It provides a single standard and a central database instance for routing changes that can be propagated easily to local PSX servers throughout the network, significantly reducing operator's capex and opex.

TRANSCODER FREE INTERCONNECT / Even with a converged IP core, traditional routing requires transcoding between the access network and the core network. For large networks, that can translate into hundreds of switches, each requiring their own digital signal processor. The Sonus Centralized Route Server eliminates the need for transcoding by intelligently routing mobile-to-mobile calls and instructing the switches to disable transcoders from the media path.

SCALABLE, AVAILABLE, RELIABLE / The PSX server is the most scalable routing engine in the industry, capable of supporting millions of calls per hour and meeting the demands of the world's largest networks. Like all Sonus products, the PSX server is designed to thrive under even the most intense conditions, with reliable fail-safe features, a redundant architecture and 99.999% availability. No wonder that network operators around the world count on the PSX server to drive billions of IP-voice minutes every month.

ON-NET, OFF-NET PLANS / For operators who want to offer flexible pricing plans like different charges for on-net/off-net calls, they need a sophisticated call routing solution. The Sonus Centralized Route Server boasts a sophisticated feature set that not only identifies on-net/off-net calls, but can even identify them when the numbers have been ported to a different operator. As a result, network operators can support complex interconnection business models that attract customers and drive revenue.

FULL REGULATORY SUPPORT / As a Next-Gen Network solution, the Sonus Centralized Route Server is designed to support the complex regulatory issues facing today's operators. In fact, you'll find the PSX server at the core of our Number Portability, Lawful Intercept and E911 solutions. Its high-speed interfacers also integrate easily with external route servers and least-cost routing engines.

AN INVESTMENT IN THE FUTURE / IP is the future, and the IP Multimedia Subsystem (IMS) is the future of voice. The Sonus Centralized Route Server solution provides an IP-based, IMS-ready call routing solution that can drive your network well into the future. With support for legacy and IP switches, the Sonus solution also allows network operators to phase this in over time.

ABOUT SONUS NETWORKS / Network operators around the world count on Sonus Networks to bring them into the future. We've brought IP to the core since 1997, and today we're a global leader in IP-voice, with over half of the world's top 10 telecommunications providers as our customers.

To learn more about our fixedEdge solutions, talk to your Sonus sales representative or visit us online at www.sonusnetworks.com.

Make your network a center of efficiency:

- > Provide centralized routing for all network elements
- > Support a wider variety of services: flexible pricing plans, E911, number portability, etc.
- > Eliminate the need for transcoding between switches
- > Deliver 99.999% availability—even during peak loads of millions of calls-per-hour
- > Serve millions of subscribers from a single routing engine

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