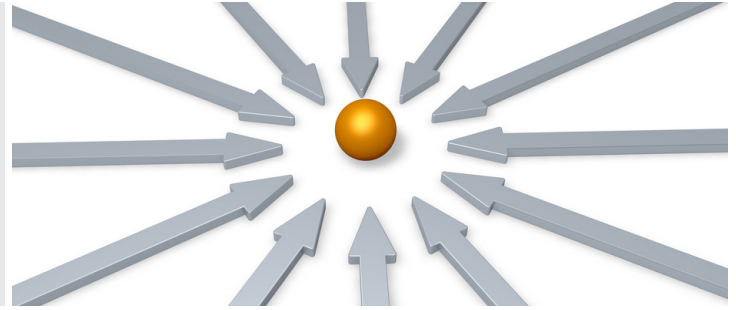


## SIP SESSION ROUTER



**THE PROBLEM WITH SIP.** SIP IS EVERYWHERE. AND WITH ACCELERATING GROWTH IN THE NUMBER OF SIP-ENABLED NETWORK ELEMENTS, SERVICE PROVIDERS ARE BEGINNING TO ENCOUNTER CHALLENGES WITH THE COST AND COMPLEXITY OF MANUALLY MANAGING MULTIPLE SIP ROUTING TABLES AND A MESH OF PRODUCT INTERCONNECTS. THE METASWITCH SIP SESSION ROUTER CAN ADDRESS THESE ISSUES, HELPING SERVICE PROVIDERS TO ELEGANTLY SCALE THEIR EVOLVING NGN AND IMS ARCHITECTURES.

Lacking a native dynamic route discovery mechanism, SIP network endpoints - such as softswitches, managed PBXs, session border controllers, media gateways and application servers - depend on multiple, manually-configured, static forwarding table entries to create a complex, fixed, mesh network. Susceptible to configuration errors, each route table in all nodes must be updated with every add, move and change, while the resulting infrastructure remains prone to failure.

Creating additional scaling complications, SIP-based instant messaging and presence services from PC and mobile communicator clients, along with network-originating 3rd party call control and other enhanced services, are causing a dramatic increase in SIP traffic on core networks.

### MEETING THE NEED

The Metaswitch SIP Session Router is a purpose-built solution that is 100% focused on simplifying SIP session management and enabling the growth of SIP traffic within your network.

The Metaswitch SIP Session Router provides:

- Scalability and performance for the largest SIP networks
- A solution that is suited to the growing demands of SIP management in wireless and wireline networks
- Support for migration to NGN and IMS

Delivering a rich set of SIP capabilities that includes Session Routing, SIP Proxy, Signaling Interoperability and SIP Redirect, the Metaswitch SIP Session Router centralizes SIP routing, ensures interoperability through protocol normalization and enhances network service availability via SIP server load balancing.

Akin to SS7's STP, or a Class 4 tandem switch, centralizing SIP routing in a SIP session router relieves operators from the need to update SIP routing tables in individual network elements, and obviates the need to build a complex, interconnected mesh network.

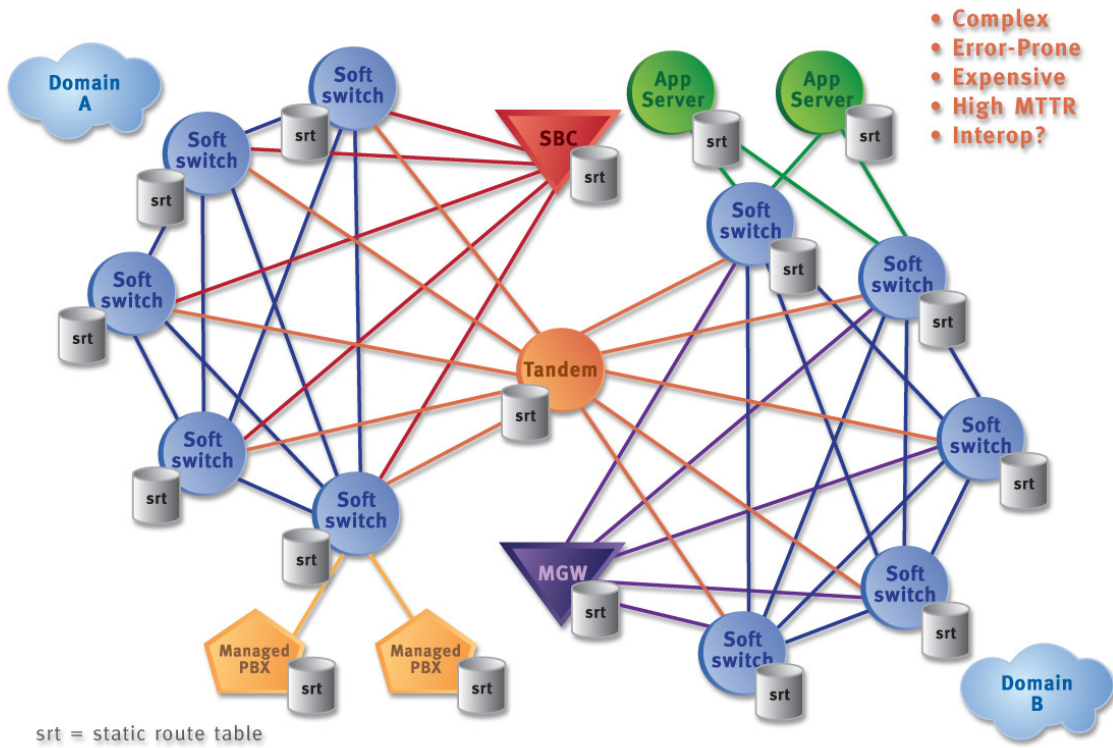
With all sessions now traversing the centralized SSR, operators can also take advantage of the Metaswitch Service Assurance Server to proactively measure call quality and resolve user issues. The SIP Session Router is tightly integrated with the Metaswitch Service Assurance Server, enabling complete visibility into the entire transaction, down to individual SIP messages—which may be presented in simple ladder diagrams or decoded in their entirety for in-depth analysis.

### WHAT'S INSIDE THE BOX?

- A powerful layer 5 SIP, policy-based routing engine
- Simultaneous support for stateless, transaction stateful, and call stateful call processing. Allowing you to partition the SIP signaling network and provide different levels of service
- The Metaswitch SSR XML Scripting Tool—An XML toolkit that eases interoperability by enabling the modification of incoming and outgoing SIP messages. Provides the flexibility to normalize SIP traffic across multiple network domains, reduces interoperability testing complexity and the costs associated with expanding or adding new network nodes
- Carrier grade redundancy—N+1 and mated pair deployment options
- Proven ATCA components
- Support for SIP over TCP/IP, UDP and IPSec
- An integral part of the Metaswitch end-to-end provisioning and service assurance solution

For additional details, please visit [www.metaswitch.com](http://www.metaswitch.com)

TODAY'S DEPLOYMENT: A TANGLED MESS



METASWITCH SSR: PREVENTING FRAYED NERVES

