



GENBAND™

DRIVING THE NETWORK EVOLUTION

MULTI-PROTOCOL SESSION EXCHANGE (MSX)

SESSION ROUTING FOR IP TO IP INTERCONNECTS

Mobile and fixed line network operators are rapidly implementing IP-based VoIP and multimedia services, creating a growing global demand for interconnection or peering of IP traffic at the borders of service provider networks. As a pioneer in session border control, GENBAND provides market leading, high performance IP interconnect border control solutions that allow high-quality voice and multimedia sessions to flow efficiently, securely, and reliably across network borders. With the Multi-protocol Session Exchange (MSX)™ feature set, GENBAND's S-Series platforms -- the S3 Session Border Controller and SBC for S2 and S9 Integrated Border Gateways -- provide advanced intelligent routing, session management, and policy control to meet the expanding need for IP to IP interconnects.

GENBAND'S MULTI-PROTOCOL SESSION EXCHANGE (MSX) FEATURE SET

VOIP LONG DISTANCE AND WHOLESALE

VoIP Long Distance and Wholesale service providers have quickly embraced IP to IP interconnection and peering for efficient handling of national and international long distance traffic. Unlike legacy TDM interconnections, IP to IP involves many different protocols, standards, equipment types, and multiple new options for call routing -- making policy enforcement, intelligent routing, adaptive routing, and least cost route interworking a key factor for successful network interconnections. As these networks grow, the need for session routing performance, scalability, route availability, and network availability also increases. In addition, Quality of service (QoS) and service assurance across long international routes must be achieved dynamically by allowing calls to be re-routed to alternative routes based on QoS metrics and quality thresholds.

IP SESSION ROUTING

- Least Cost Routing (LCR)
- Adaptive Routing and Lossless LCR
- Route Hunting
- Up to 2 Million Routes
- Digit-based Routing
- Domain-based Routing
- Multi-stage Policy Enforcement

GENBAND'S MSX SESSION ROUTING SOLUTION

GENBAND addresses the IP-IP session routing needs of service providers with the MSX feature set in its S-Series gateways. The MSX feature set is a feature in GENBAND's SBCs that provides a robust and highly programmable session routing engine to direct real-time sessions over network interconnects and offer service providers advanced session routing capabilities such as dynamic route hunting, adaptive routing, and least cost routing. This session routing engine allows service providers to dynamically route traffic to other service provider partners based on call completion rates, route profit, and route availability. The sophisticated call routing intelligence in the MSX feature set greatly reduces the complexity of IP-IP session routing and management for faster delivery of real-time IP services such as voice, video, and multimedia, resulting in enhanced cost management and profitability. QoS and service assurance is achieved by combining the MSX feature set with GenView RSM Element Management System.

The MSX feature set provides policy enforcement capabilities that enable service providers to traffic-engineer their IP networks at the session layer for managed service assurance. It logically associates traffic management policies with endpoint devices, while statefully monitoring device usage and applying policy at network ingress and egress points. Enhanced call routing capabilities include optimized route selection based on real time QoS, as well as call completion measurements. The MSX feature set also facilitates VoIP traffic management by monitoring and maximizing the utilization of high-value feature servers, application servers, and media gateways.