

INGATE KNOWLEDGE BASE

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Ingate Knowledge Base - a vast resource for information about all things SIP – including security, VoIP, SIP trunking etc. - just for the reseller community. *Drill down for more info!*



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Managed SIP Trunking service providers

Managed SIP Trunking service is offered by facilities-based providers who have local Points of Presence (POPs) from which the “last mile” is delivered to the enterprise customer. Because the service provider has end-to-end control of the network, the quality can be monitored and controlled.



The physical connection to the service provider can vary according to the needs of the enterprise and may range from a single T1 with 1.5Mbps of bandwidth which is sufficient for 23 simultaneous calls, up to and including fiber optic connections with very large capacities. Since voice is very susceptible to delay, often the Managed SIP Trunking Service Provider will deliver service using MPLS (Multi-Protocol Label Switching) which assures that the voice packets will receive delivery precedence over other services being delivered on the same physical connection.

For both of the above reasons, many service providers are willing to write Service Level Agreements (SLAs) that guarantee a certain level of service quality and managed SIP Trunks are often more expensive than those services which are offered over the Public Internet.

The Ingate remains critical in this application as a security device between a foreign network and the enterprise network. The Ingate Firewall/SIParator provides voice and data security for the enterprise, from other foreign networks. Ingate also monitors and secures the SIP traffic, protecting the IP-PBX from malicious attacks which may range from theft of service to Denial of Service attacks. This is important because any malicious issues on foreign networks can quickly become enterprise issues without a security device in between.

Managed SIP Trunks offer the advantage of a closely monitored network maintained to deliver the highest voice quality. The enterprise needs to ensure that its network is robust and that no internal bottlenecks exist that could reduce voice quality. Enterprises should also consider establishing its own security perimeter to maintain control of its network and who is allowed to use the SIP Trunking services.

Want more information

Follow the link to find out more

http://www.ingate.com/files/white_paper_What_is_SIP_Trunking_A.pdf

Next week

Drilling Down -- The Role of an Ingate in a Managed Services Environment

For more information, visit the Ingate Knowledge Base online at www.ingate.com.