inGate

Partner Solutions

For Enterprise

Ingate E-SBC for Microsoft® Lync® Deployments - Makes SIP trunking simple

The Ingate® SIParator®/Firewall E-SBCs (Enterprise Session Border Controllers) connects Microsoft® Lync® UC solution (Unified Communications solution) to Internet Telephony Service Providers (ITSPs) SIP trunks. The SIParator resolves any NAT and firewall traversal issue, enables a secure and reliable telephony connection and resolves interoperability issues. The SIParator E-SBC is easy to install and can also connect an additional enterprise IP-PBX to Microsoft Lync and to the ITSP over the SIP trunk.

In order to use Microsoft Lync with a SIP trunking service the enterprise should have a qualified E-SBC. Ingate's E-SBCs, the Ingate SIParator®/Firewall®, works with Lync 2013, Lync 2010 and their predecessor OCS 2007. See the Lync configuration guide at www.ingate.com for details.

The Ingate SIParator E-SBC has been successfully installed with the ITSPs found at: http://www.ingate.com/Confirmed_ITSP.php Using the Ingate E-SBC at the Enterprise edge, ITSPs do not have to be Lync-qualified in themselves.

SBCs for Lync are typically installed in a DMZ of an enterprise, but since the SIParator is surrounded by its internal firewall, it can also be deployed directly between a WAN and the Lync on a LAN. It is also notable that the SIParator has been qualified for the optional TLS/SRTP, Failover, Transfer and Call Park functions of the Microsoft test suite. In addition, the Ingate products can transcode signaling between UDP, TCP and TLS and media between RTP and SRTP.

The Ingate E-SBC is a powerful tool that offers enterprises a controlled and secured migration to Voice-over-IP (VoIP) and other live communications based on Session Initiation protocol (SIP). The Ingate is a unique solution that seamlessly works with any existing firewall, or on its own, to allow the flow of SIP traffic to reach the user in the enterprise.

Ingate Key Benefits for Enterprises:

- Secure and complete NAT/firewall traversal
- Resolves interoperability issues
- High security and reliability
- Transcoding of TCP/TLS/UDP and SRTP/RTP
- Quality of Service (QoS)
- High availability solutions
- Price competitive
- Easy deployment with the Ingate Startup Tool
- Easy to manage via the Ingate Web GUI
- Available as hardware and software-only solutions
- Qualified for Lync installations through Microsoft Unified Communications Open Interoperability Program (UCOIP)

Ingate E-SBC Features for Microsoft Lync

Ingate E-SBCs have been tested and qualified by Microsoft both for Office 365 UM and on-premises Lync installations. Following are the key features of the Ingate SIParator E-SBC:

Connectivity: Microsoft Lync use TCP (Transmission Control Protocol) Transport or TLS (signaling encryption) for SIP trunking. Most SIP trunks, however, use UDP (User Datagram Protocol) Transport. The Ingate E-SBC with SIP Trunking Software module quickly converts TCP or TLS to UDP. Working seamlessly with the SIP trunking service the Ingate facilitates instant interoperability with Microsoft Lync. With an Ingate E-SBC, SIP trunks can be deployed in just minutes.

Interoperability: Ingate resolves Network Address Translation (NAT) traversal of SIP traffic, a common interoperability roadblock in SIP installations. The Ingate E-SBC normalizes the SIP signaling between the SIP trunk service provider and Lync, making both sides fully interoperable with one another. Ingate E-SBC also solves integration issues that may occur between an existing IP-PBX and Microsoft Lync and allows them to use the same SIP Trunk for external voice communication.

Exceptional Security: Ingate's E-SBCs provide advanced security for VoIP calls made over the SIP trunk. Built on firewalling technology, they sit at the edge of the network providing exceptional control over the SIP traffic – securing VoIP as well as the local network. Ingate E-SBCs also feature network topology hiding, protecting and hiding internal network address information.
Ingate E-SBCs include IDS/IPS (Intrusion Detection System/Intrusion Prevention System) which works in tandem with Ingate's existing security technologies to further strengthen security for VoIP, SIP trunking, UC and other SIP applications. Ingate also supports authentication of SIP users and servers.

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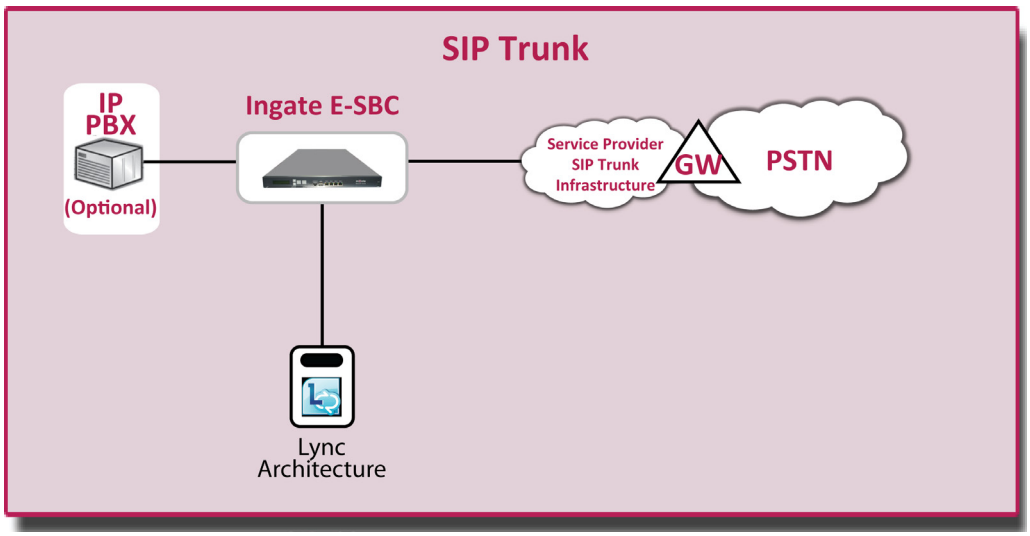
Ingate E-SBCs offer TLS (signaling) and SRTP (media) encryption to ensure privacy and prevent eavesdropping and spoofing. Ingate E-SBCs also has the capability to transcode TLS/TCP/UDP and SRTP/RTP from encrypted to unencrypted and vice versa.

Reliability: Ingate E-SBCs ensure quality of service (QoS) enabling traffic shaping and prioritization to optimize voice and video quality.
The Ingate E-SBC can also work with multiple SIP trunking groups enabling redundancy at the SIP trunking level and providing a higher level of security and reliability. By using SIP trunks from multiple service providers, significant savings can be achieved by least-cost routing (LCR), rerouting calls to the cheapest service provider.

High Availability: Ingate E-SBCs can be offered in failover pair for high availability solutions to ensure that multimedia services will not be discontinued if the active E-SBC unit unexpectedly goes down.

Ingate E-SBC

SIP trunking with Ingate's E-SBC's is a cost effective method for adopting the myriad of applications available under the UC umbrella, including video-over-IP. Ingate's E-SBCs are available worldwide and come in a range of models to meet the needs of the entire enterprise market.



For more information...

Ingate E-SBC are easy to deploy with Ingate's own StartUp Tool and is easy to configure and manage via the Ingate web GUI. For more information about the Ingate E-SBC products please visit www.ingate.com or contact sales@ingate.com.

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