

Ingate E-SBC for Microsoft® Lync®

- Makes SIP trunking simple

Microsoft® Lync® is a Unified Communications platform collecting e-mail, voice, Instant Messaging, audio, video and Web conferencing functions in one place. The Ingate Enterprise Session Border Controller (E-SBC) product line is approved and qualified for Microsoft® Lync® as it enables a secure and reliable connection between the SIP trunking service and the Microsoft® environment, while also solving any interoperability issues.

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In order to use Microsoft Lync with a SIP trunking service the enterprise must have a qualified E-SBC. Ingate's E-SBCs, the Ingate SIParator® and Ingate Firewall®, are approved and qualified by Microsoft for their Lync server, see details. Ingate's E-SBCs ensure a secure and reliable use of Microsoft Lync applications. Information on configuration of the Ingate E-SBC with Microsoft Lync can be found at www.ingate.com.

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, no matter where the user is located.

Ingate E-SBC features for Microsoft® Lync®

Ingate E-SBCs have been tested and certified by Microsoft for both Office 365 and on-premises Lync installations. Following are the key features of what the Ingate E-SBC adds to the Microsoft Lync solution:

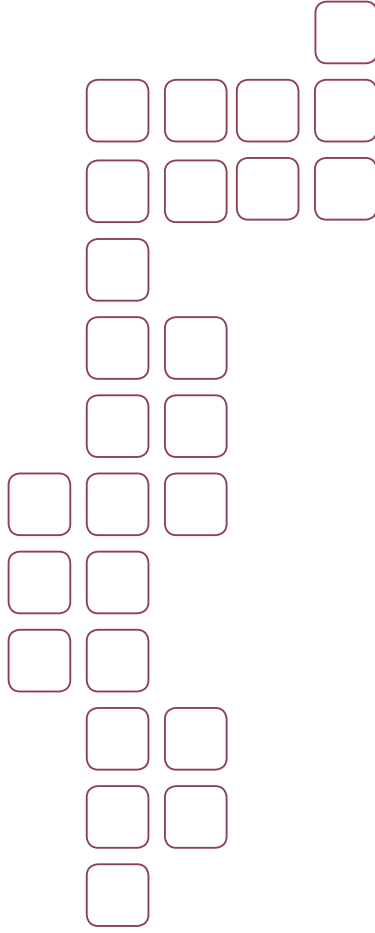
Connectivity: Microsoft Lync use TCP (Transmission Control Protocol) Transport or TLS (signaling encryption) for SIP trunking. Most SIP trunks, however, use UDP (User Datagram Protocol) Transport. The Ingate E-SBC with SIP Trunking Software module quickly converts TCP or TLS to UDP. Working seamlessly 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 with SIP Trunk Software module 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 PBX and Microsoft Lync.

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 Key Benefits for Enterprises:

- Approved and qualified for Lync installations through Microsoft Unified Communications Open Interoperability Program (UCOIP)
- Resolves interoperability issues
- High security and reliability
- Transcoding of TCP, TLS and UDP
- Ensures quality of media services
- 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



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 users and servers. Ingate E-SBCs offer TLS (signaling) and SRTP (media) encryption to ensure privacy and prevent eavesdropping and spoofing. Ingate E-SBCs also the capability to transcode TLS and SRTP from encrypted to unencrypted and vice versa with the optional Enhanced Security Software module.

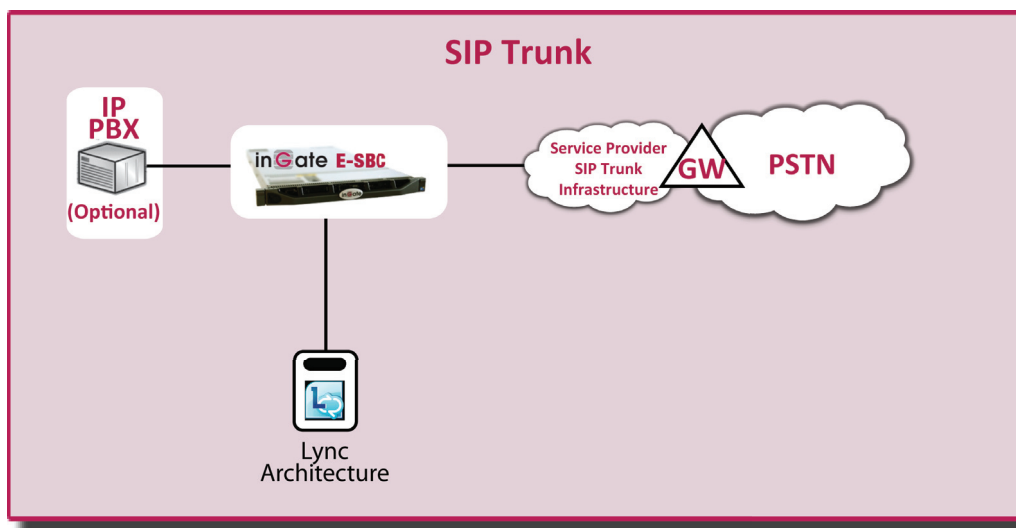
Reliability: Ingate E-SBC with QoS software module ensures quality of service as it enables traffic shaping and prioritization to optimize voice and video quality. The Ingate E-SBC also has the capability to work with multiple SIP trunk groups enabling redundancy at the SIP trunking level and providing 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 as high availability solutions to ensure that multimedia services will not be discontinued if the active E-SBC unit unexpectedly would 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. Please contact Ingate Systems for more information.



For more information...

Ingate E-SBC are easy to deploy with Ingate's own StartUp Tool and are simple 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.

