

## **Connecting Alcatel-Lucent to Microsoft Unified Communications Solutions Has Never Been so Easy**

AudioCodes Enterprise Session Border Controllers (E-SBCs) offer reliable, feature rich, and cost effective integration between Alcatel-Lucent OmniPCX Enterprise systems and Microsoft Lync and Exchange server solutions. Alcatel-Lucent partners and customers can seamlessly connect to Microsoft Unified Communications Systems, enjoying feature transparency not supported with direct connections.

### **Things to Consider When Connecting Alcatel-Lucent and Microsoft Systems**

Unified communications (UC) integration has emerged as a major challenge due to the vast number of SIP-related RFCs, and the many “dialects” and “flavors” of SIP implementations. Alcatel-Lucent OmniPCX and Microsoft UC systems both support SIP, however, suffer from SIP incompatibility. Despite their ability to connect directly, there are still well-known limitations that effect the integration of Alcatel-Lucent’s OmniPCX Enterprise system with Microsoft Lync & Exchange servers.

For example, one of the new features introduced with the launch of Microsoft Lync 2010 is Media Bypass. Media Bypass allows business customers to lower total cost of ownership (TCO) of Microsoft Lync deployments by reducing the number of Lync components, lower bandwidth consumption to the central office, and improve solution scalability. However, the lack of compatibility between the SIP implementations used in OmniPCX and in Microsoft Lync means that the Media Bypass feature will not work when the two systems are integrated directly with each other.

### **Integrating OmniPCX with Microsoft Exchange Server**

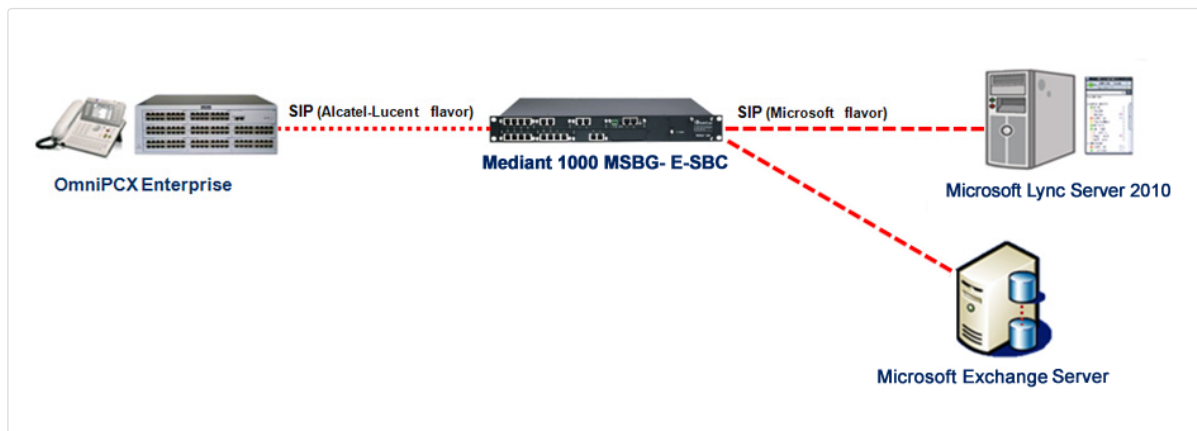
Integrating Exchange 2007/2010 Unified Messaging with legacy and/or IP-based PBXs requires the use of an IP gateway, unless direct integration was successfully achieved. The role of the IP gateway is to translate the circuit-switched protocols to IP-based in the case of TDM-based PBXs or to provide IP to IP mediation capabilities in the case of IP-based PBXs. According to Microsoft’s Open Interoperability Program, the IP gateway is a mandatory component for achieving successful integration between the OmniPCX Enterprise system and Microsoft Exchange Server.

## OmniPCX Integration Limitations with Microsoft Lync

- All calls (Lync and OmniPCX) have to go through Front End / Mediation Servers, resulting in higher latency and quality issues
- Call transfer scenarios are not supported between Lync and OmniPCX users
- Lync users cannot activate Call Hold in calls to OmniPCX and PSTN endpoints
- Ring-back tone is not supported when OmniPCX and PSTN endpoints call Lync users
- Comfort noise generation is not supported.
- Lync users cannot decline PSTN calls properly
- OmniPCX failover to an alternate route (in the case of network failover) does not work

## Don't Settle For Less – Choose AudioCodes Enterprise Session Border Controllers

AudioCodes Enterprise Session Border Controllers (E-SBCs) offer secured SIP-to-SIP interfaces for enabling the integration of two dissimilar SIP-based systems. Using AudioCodes E-SBCs built-in SIP normalization, header manipulation, and unique “Early Media” support, seamless and robust integration can be achieved between Alcatel-Lucent OmniPCX on one side and Microsoft Lync and Exchange Server on the other. All of this ultimately provides efficient integration leading to increased productivity and collaboration of Alcatel-Lucent business customers. AudioCodes’ broad SIP integration with Microsoft Lync and Exchange Server provides faster resolutions for the communication needs and integration challenges of Alcatel-Lucent partners and customers.



## Benefits

- Rapid integration in a cost-effective manner for the current and future communication needs and integration challenges of Alcatel-Lucent partners
- Smooth and seamless connectivity between Microsoft Lync and Exchange Server and Alcatel-Lucent OmniPCX Enterprise systems
- Enhanced security for a fully encrypted VoIP solution (SIPS/TLS, SRTP, IPSEC)
- Support for a fully redundant configuration
- Lowered total cost of ownership of Microsoft UC deployments

## About AudioCodes

AudioCodes Ltd. (NasdaqGS: AUDC) designs, develops and sells advanced Voice over IP (VoIP) and converged VoIP and Data networking products and applications to Service Providers and Enterprises. AudioCodes is a VoIP technology market leader focused on converged VoIP & data communications and its products are deployed globally in Broadband, Mobile, Cable, and Enterprise networks. The company provides a range of innovative, cost-effective products including Media Gateways, Multi-Service Business Gateways, Session Border Controllers (SBC), Residential Gateways, IP Phones, Media Servers and Value Added Applications. AudioCodes' underlying technology, VolPerfectHD™, relies on AudioCodes' leadership in DSP, voice coding and voice processing technologies. AudioCodes High Definition (HD) VoIP technologies and products provide enhanced intelligibility and a better end user communication experience in Voice communications.

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