

# AudioCodes One Voice for Skype For Business



 Skype for Business

Security & Fraud Prevention Solutions



With losses due to global toll fraud estimated at \$46 billion in 2013, most CIOs today would agree that a “better safe than sorry” approach to security is advisable when it comes to deploying communications systems. With ubiquitous access to the internet and IP networks, VoIP-based systems such as Skype for Business are particularly vulnerable. By adding a layer of security at the point of demarcation, the enterprise is able to mitigate risks, including Denial of Service (DoS), SPIM, spoofing, and other malicious attacks that could adversely affect the performance of the entire voice infrastructure.

AudioCodes session border controllers (SBC) in conjunction with the AudioCodes One Voice Operations Center suite of management solutions, play a critical role in maintaining enterprise voice security, identifying and blocking unwanted traffic, while maintaining the privacy of all internal IP addresses and domain name information.

AudioCodes security and fraud prevention solutions are part of the AudioCodes One Voice for Skype for Business Solution, a unified solutions, products and services offering intended to simplify and accelerate voice-enablement of Microsoft Lync and Skype for Business implementations.

## Highlights

- Protection against attacks (e.g. denial of service, SIP floods)
- Topology hiding
- Call Admission Control (both for TDM and SIP)
- Monitoring and reporting of unusual calling behavior

## Benefits

- Ensures secure access to SIP trunks
- Prevents fraudulent use of network resources
- Management tools ensure rapid detection and prompt handling of security issues

## AUDIOCODES

# ONE VOICE

Products Portfolio



SBC & Gateways



IP Phones



AudioCodes CloudBond™ 365



Survivable Branch Appliances



Applications



Call Recording



AudioCodes One Voice Operations Center

 **AudioCodes**

## The Need for an Enterprise Session Border Controller

Many IT managers believe they can rely on their service provider's access SBC and their own Skype for Business Mediation Server and data firewall to take care of VoIP security. However, none of these systems can offer sufficient levels of protection to mitigate against the wide range of threats potentially facing enterprise voice networks.

AudioCodes SBCs act as dedicated voice firewalls keeping out rogue traffic. They include several mechanisms specifically designed to deal with VoIP-related security and fraud threats.

## AudioCodes SBCs Offer Protection from Multiple Threats

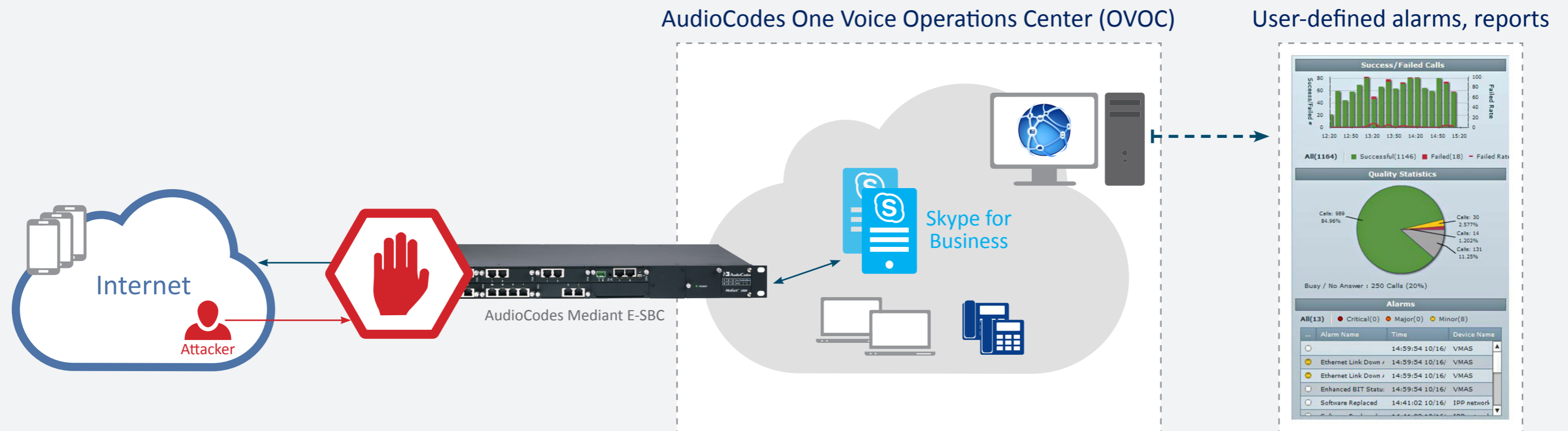
- **Denial of service** - The SBC can automatically detect attacks and block ports being bombarded with bogus call requests
- **Fraud prevention** - The SBC can detect intrusion attacks and prevent them through the use of dynamically created blacklists
- **Secure Authentication** - The SBC ensures that any authentication attempts with the SIP trunk network are secured using encryption and TLS
- **Topology hiding** - The SBC strips any sensitive and potentially revealing data from outgoing messages to keep the network topology from prying eyes

## Security Monitoring & Reporting

With the aid of AudioCodes One Voice Operations Center (OVOC) management suite, administrators can monitor Skype for Business voice traffic to detect and proactively respond to threats. User-defined alarms and reports in the AudioCodes Element Management System (EMS) and Session Experience Manager (SEM) solutions can be used to detect suspicious behavior such as:

- Calls to unauthorized destinations
- Unusual calls destinations
- After-hours calls
- Excessive duration calls

# AudioCodes Offers Multi-layered Protection for Skype for Business Voice Networks



# AudioCodes SBCs and Enhanced Gateways for Microsoft® Skype for Business™

## Pure E-SBCs

	Mediant 2600	Mediant 4000	Mediant 9000	Software SBCs	
				Mediant VE (Virtual Edition)	Mediant SE (Server Edition)
Max. SBC Sessions	600	5,000	24,000	6,000	24,000
Max. SRTP-RTP Sessions	600	3,000	16,000	4,000	16,000
Max. Transcoding Sessions	600	5,000	750	400	750
Chassis Form Factor	1U	1U	1U	-	
1+1 Redundancy	√	√	√	√	
Voice Quality Monitoring	√	√	√	√	

## Hybrid E-SBC/Gateways

	Mediant 800	Mediant 1000	Mediant 3000
Max. SBC Sessions	250	150	1,008
Max. SRTP-RTP Sessions	180	120	1,008
Max. Transcoding Sessions	57	96	1,008
Max. TDM Channels	60	192	2,016
Chassis Form Factor	1U	1U	2U
Redundancy	1+1 (SBC only)	-	Carrier-grade HA
Voice Quality Monitoring	√	√	√
OSN Server Platform (optional)	√	√	-

## Specialized Features for Lync Environments (shared by all platforms)

- Active Directory look-up
- Call forking
- Emergency Location Identification Number (ELIN)
- Microsoft SCOM integration
- Management UI log-in using Active Directory credentials

**International Headquarters**  
 1 Hayarden Street,  
 Airport City  
 Lod 7019900, Israel  
 Tel: +972-3-976-4000  
 Fax: +972-3-976-4040

**AudioCodes Inc.**  
 27 World's Fair Drive,  
 Somerset, NJ 08873  
 Tel: +1-732-469-0880  
 Fax: +1-732-469-2298

**Contact us:** [www.audiocodes.com/info](http://www.audiocodes.com/info)  
**Website:** [www.audiocodes.com](http://www.audiocodes.com)

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