




Zoom Phone Local Survivability (ZPLS)

Enables branch-level resiliency for large-scale organizations

-  Zoom Phone Local Survivability (ZPLS) enables branch-level resiliency for large-scale organizations like retailers, schools, and universities that require ongoing and reliable connectivity.
-  ZPLS enables Zoom Phone applications and Zoom-certified devices to register to the corresponding ZPLS module when cloud connectivity is down, as well as between other ZPLS-enabled sites, to keep the core phone functionality active. Once cloud connectivity has been restored, the devices re-register to the Zoom servers automatically.
-  When activated, ZPLS supports internal extension dialing, inbound and outbound PSTN calls (which requires local PSTN connectivity), E911 support for calls to Emergency Services, Hold/Resume Call, Call Park and ad hoc third-party conference calling. It also supports the searching of contacts and dialing numbers from a device's call history.

AudioCodes ZPLS appliance

The AudioCodes appliance for ZPLS includes a server running the ZPLS application and SBC and/or gateway for PSTN breakout, making the deployment and operation of ZPLS simple and hassle-free while creating a resilient Zoom Phone environment.

This innovative appliance accommodates a small-scale server or Zoom Node that is connected directly to the Zoom Cloud during normal operations and works on a standalone basis when communication to the cloud is lost, thus allowing phone clients and devices to register to the corresponding ZPLS module when cloud connectivity is down.

Zoom Node provides a secure framework to locally host ZPLS and similar workloads and is managed and controlled from the Zoom Cloud, so the ZPLS software (and other workloads) can auto-update from the cloud and easily return to a backup mode when connectivity is restored. This ensures that local survivability for Zoom Phone users is achieved in a simple and seamless way.

Having both ZPLS and the SBC running in one box leaves less room for configuration errors and also means that there is less equipment to look after.

ZPLS enables branch-level resilience and basic phone functionality if cloud connectivity is lost. AudioCodes' appliance for ZPLS includes a server running ZPLS and SBC for PSTN breakout.

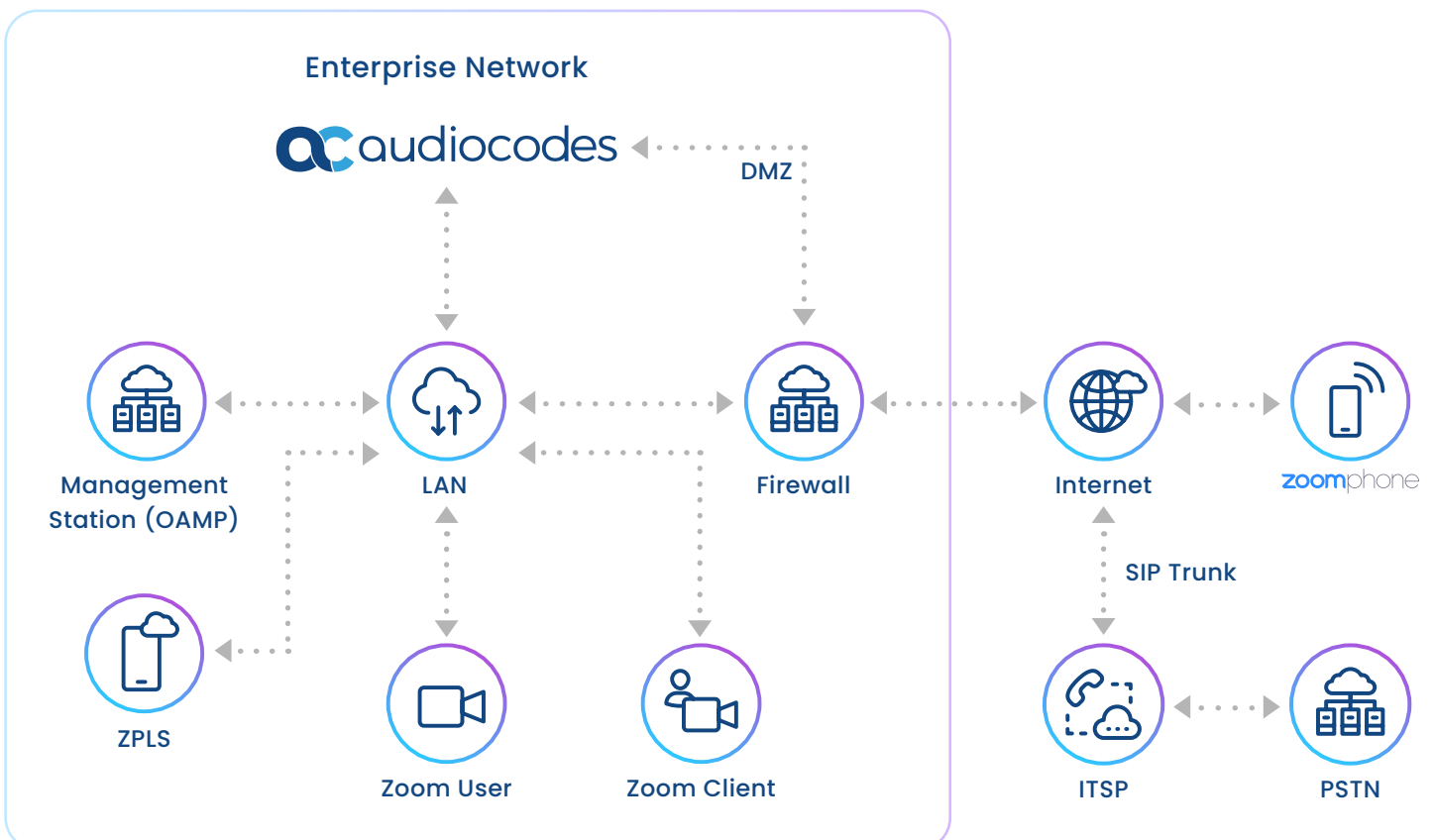
Core service continuity functionality

- ✓ Single appliance hosting Zoom Phone Local Survivability (ZPLS) on an AudioCodes SBC
- ✓ Simple and hassle-free deployment
- ✓ Maintain inbound and outbound PSTN calls (requires local PSTN connectivity)
- ✓ Quick and automatic failover process
- ✓ Maintain seamless communication between ZPLS-enabled sites
- ✓ Supports key Zoom calling features during failure

Interoperability Topology

The interoperability between AudioCodes SBC and Zoom Phone Local Survivability with the Generic SIP Trunk and Zoom Phone system is done using the following topology setup: Enterprise deployed with Zoom Phone Local Survivability Node and the administrator's management station, located on the LAN Enterprise deployed with the Zoom Phone system located on the WAN for enhanced communication within the Enterprise Enterprise wishes to offer its employees enterprise-voice capabilities and to connect the Enterprise to the PSTN network using AudioCodes's SIP Trunking service AudioCodes SBC is implemented to interconnect between the Zoom Phone Local Survivability Node, SIP Trunk and the Zoom Phone system • Session: Real-time voice session using the IP-based Session Initiation Protocol (SIP). • Border: IP-to-IP network border. The Zoom Phone Local Survivability Node is located in the Enterprise LAN. The AudioCodes's SIP Trunk and the Zoom Phone system are located in the public network. The figure below illustrates this interoperability topology:

Layout of an interoperability Test Environment



M800C-2ET4O-ZPLS

Mediant 800C with 2 E1/T1 and 4 FXO interfaces for Zoom Phone Local Survivability (up to 2,000 registrations)

- ✓ Includes Mediant 800C chassis with 2 E1/T1 and 4 FXO interfaces and 4 GE ports.
- ✓ Zoom Phone Local Survivability application is pre-installed on 8-cores OSN (with 16 GB RAM, 256 GB SSD).
- ✓ Provided with VMware vSphere Essentials license, and a recovery dongle.
- ✓ Supports dual AC/DC power supplies (optional AC/DC power adapter can be ordered separately).
- ✓ SBC sessions should be purchased separately

M800C-4ET-ZPLS

Mediant 800C with 4 E1/T1 interfaces for Zoom Phone Local Survivability (up to 5,000 registrations)

- ✓ Includes Mediant 800C chassis with 4 E1/T1 interfaces and 4 GE ports.
- ✓ Zoom Phone Local Survivability application is pre-installed on 16-cores OSN (with 16 GB RAM, 256 GB SSD).
- ✓ Provided with VMware vSphere Essentials license, and a recovery dongle.
- ✓ Supports dual AC/DC power supplies (optional AC/DC power adapter can be ordered separately).
- ✓ Arrives with 0 SBC sessions.

The AudioCodes ZPLS appliance, as well as AudioCodes SBCs, can be managed via the AudioCodes [One Voice Operations Center](#) (OVOC). This makes it easy for busy IT professionals to oversee a large network containing ZPLS appliances, SBCs and other devices, from any location.

1 Hayarden Street, Airport City, Lod, 7019900, Israel
Tel: +972-3-976-4000

80 Kingsbridge Rd - Piscataway, NJ 08854
Tel: +1-732-469-0880

www.audiocodes.com



©2023 AudioCodes Ltd. All rights reserved. AudioCodes, AC, HD VoIP, HD VoIP Sounds Better, IPmedia, Mediant, MediaPack, What's Inside Matters, OSN, SmartTAP, User Management Pack, VMAS, VolPerfect, VolPerfectHD, Your Gateway To VoIP, 3GX, VocaNom and AudioCodes One Voice are trademarks or registered trademarks of AudioCodes Limited. All other products or trademarks are property of their respective owners. Product specifications are subject to change without notice.

02/23 v.1