

Session Border Controller



anynode®
The Software SBC

Data sheet

11 | 2018

Session Border Controller Data sheet

System Performance

Maximum number of sessions	Single socket E5	VM 4-core
SIP to SIP media bypass	2000	1000
SIP to SIP media relay	1200	800
SIP to SIP media relay secure	1100	720
SIP to SIP transcoding G.711 / G.729	600	400
Calls per second	130	80

Load Balancer

Calls per second	1000	500
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Registrar

User registration	3000	2000
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Protocol Support

Transport

IPv4 to IPv4, IPv4 to IPv6, IPv6 to IPv6
 UDP, TCP, TLS
 NAT, Port Mapping

Signaling

SIP and SIP secure
 H.323 via XCAPi add-on

Media

RTP / SRTP (SDES/DTLS), ICE
 Media Pass-through, Media Transcoding, Media Bypass
 Transcoding: G.711 a-law, u-law, Opus-NB/WB, G.722, G.729, linear L16, Stereo, multichannel Codecs, SILK-NB/WB
 Pass-through/Bypass: e.g. G.711 a-law, u-law, Opus-NB/WB, G.722, G.723, G.729, linear L16, Stereo, Multichannel codecs, T.38, Fax pass-through, H.264, SILK-NB/WB

Security

Voice over IP

B2BUA enabled separation of SIP communication
 Topology hiding
 TLS and SRTP
 IP address white lists
 Comprehensive and easy to use X.509 certificate management

Configuration Interface

User management
 Extended security for configuration interface via https and client certificates
 Separate network interface for configuration

Service

Excellent support and efficient issue resolution
 Easy to understand license model
 anynode software is always Available 24/7
 Continuous development with new features and versions
 Exchange UM integration
 Available on Azure Marketplace

Routing & Manipulation

Routing between multiple number of domains
 Time-based Routing
 Routing based on destination number, source number and redirecting number
 Routing based on prefix, suffix, wildcards, extension ranges
 Routing based on LDAP/Active Directory and static directories
 Conditional routing, rejecting or ignoring of calls
 Manipulation of destination number, source number
 Manipulation before, during and after routing
 Cause/status mapping
 Supports group calls and call forking
 Load balancing
 Enhanced call transfer implementation

Management & Administration

Web-based management interface
 Easy to use interface with helpful hints
 Wizard for many common SIP providers and VoIP systems with predefined configuration templates
 Administration of multiple anynodes within one configuration interface
 Monitoring of active sessions, events and call history
 Various statistics concerning completed sessions
 Quick, cost effective, highly available

Monitoring & Diagnostic

WMI and SNMP interface
 Comprehensive logging
 Powerful log-analysis tool for signaling and media:

- Overview of system configuration
- List of all sessions
- Visualized signaling flow with complete signaling data
- List of all media streams with indication of packet loss and excess jitter
- Visualized audio data with superimposed labels for events
- Audio data can be played back and exported
- Online and offline analysis

Miscellaneous

Support of multiple simultaneous networks and several SIP Trunks, multiple registrations of SIP Trunks possible
 Load balancing based on CPU load
 Detect proxy failure & route to alternate paths
 Numerous SIP providers & VoIP systems on our Interoperability List
 Microsoft Lync 2013 qualified, Microsoft Lync 2010 qualified
 Skype for Business supported by Microsoft
 Microsoft Teams Direct Routing with multi tenant support

Operating Systems

Windows 10, Windows 8.1, Windows 7, Windows Server 2016, Windows Server 2012 R2, Windows Server 2012, Windows Server 2008 R2
 Debian 7, Debian 8, Debian 9, Ubuntu 18.04, Ubuntu 16.04x64
 VMware vSphere/ESXi, Microsoft Hyper-V, Citrix XenServer, KVM