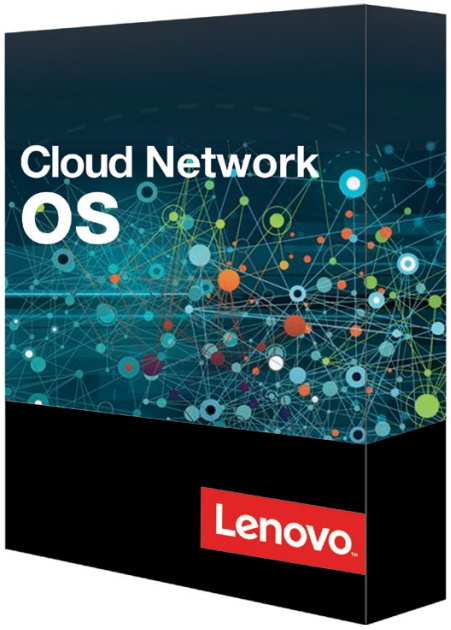
Lenovo Cloud Network Operating System Version 10

Intelligent Operating System for software-defined data centers



Data Center Interoperability

The new Lenovo Cloud Network Operating System provides a simple, open and programmable network infrastructure designed to scale for your business needs. Its intelligent, cloud-scale performance delivers a software-defined Ethernet solution that is simple to manage and easy to deploy using common management tools. Cloud NOS 10 is based on open, industry standards for better data center interoperability. And it enables support of automation and orchestration applications for tight integration into the data center ecosystem.

High-Performance Fabric

With its high-performance architecture and support for an extensive set of routing protocols, Cloud NOS 10 provides a reliable, high-performance fabric for traditional, converged and hyperscale solutions.

Cloud NOS 10 is supported on Lenovo's best-in-class top of rack switches to provide wide support and fast performance for today's cloud-ready data centers.

Why Lenovo

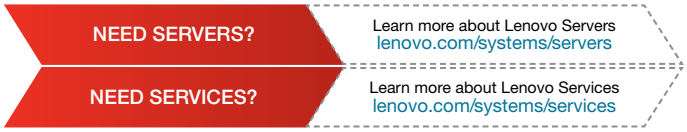
Lenovo is a $46 billion global Fortune 500 company and a leader in providing innovative consumer, commercial, and enterprise technology. Lenovo enterprise systems deliver industry-leading performance, reliability, and security in virtualized and cloud environments for analytics, database, virtual desktop, infrastructure, and web workloads. Lenovo also offers simplified and extensible systems management tools so you can manage your infrastructure on your own terms. Consistently ranked #1 in reliability and customer satisfaction, the Lenovo enterprise server, storage, and networking portfolio provides the hardware for businesses that never stand still.

Specifications

IEEE Compliance	802.1AB-2005 LLDP, 802.1D-2004 MAC Bridges, 802.1s MSTP, per-VLAN RSTP (802.1w based), 802.1Q-2011 VLANs, 802.3ad-2000 Link Aggregation, BPDU loop guard, virtual LAG (vLAG)
IP Protocols	768 UDP, 791 IP, 792 ICMP, 793 TCP, 826 ARP, 854 Telnet, 959 FTP, 1191 Path MTU Discovery, 1305 NTPv3, 1519 CIDR, 1812 IPv4 Routers, 2131 DHCP, 5798 VRRPv3 for IPv4/IPv6, 5880 BFD, 5881 BFD single hop, 5882 BFD Application, 5883 BFD multihop paths
Multicast	1112 IGMPv1, 2236 IGMPv2, 3376 IGMPv3, 4541 IGMP and MLD snooping
IPv6 Protocols	1981 Path MTU Discovery for IPv6, 2460 IPv6, 2461 Neighbor Discovery for IPv6, 2463 ICMPv6, 4291 IPv6 Address Architecture
BGP Protocols	1772 BGP Application, 1997 BGP Communities, 2385 MD5, 2439 Route Flap Damping, 2545 IPv6 Multiprotocol Extensions, 2918 Route Refresh, 3392 Capabilities Advertisement, 4271 BGP4, 4360 Extended Communities, 4456 Route Reflection, 4486 Cease Notification Message, 4724 Graceful Restart, 4893 Four-octet AS number, 5065 AS Confederation, 5291 Outbound Route Filtering, 5292 Address-Prefix-Based Outbound Route Filter, 5396 Text Representation AS numbers
OSPF Protocols	1370 OSPF Application, 1765 Database Overflow, 2328 OSPFv2, 3021 31-bit Prefixes IPv4, 3101 NSSA Option, 3509 Area Border Routers, 3623 Graceful Restart, 4222 Prioritized Packets and Congestion Avoidance, 5185 Multi-area Adjacency, 5243 Database Exchange Summary, 5250 Opaque LSA Option
SNMP MIBs	IEEE 802.1AB LLDP MIB, IEEE 802.3ad-2000 LAG, 1213 MIB-II, 1643 Ethernet-like Interface Types, 1850 OSPFv2, 2790 Host Resources, 2863 Interfaces Group, 2981 Event, 2982 Distributed Management Expression, 3014 Notification Log, 3418 SNMP, 4022 TCP, 4113 UDP, 4133 Entity v3, 4188 Bridge, 4273 BGP4, 4293 IP, 4363 Q-BRIDGE/P-BRIDGE, 4750 OSPFv2, 2096 IP FORWARD, 4836 MAU, 3411 SNMP Management Frameworks, 3412 SNMP Message Processing and Dispatching, 3413 SNMP Applications, 3414 USM for SNMPv3, 3415 VACM for SNMP, draft-ieft-bfd-mib-07.txt BFD, draft-ieft-bfd-mib-07.txt BFD Textual Conventions, draft-ietf-vrrp-unified-mib-06.txt VRRP for IPv4 and IPv6
Automation	Zero Touch Provisioning, Python APIs, REST APIs
Management	Yocto Project Linux kernel, ONIE-enabled, Port mirroring (SPAN), ERSPAN
Security	SSHv2, User Access Control, Router/VLAN/ Port-based ACLs, Egress ACLs, TACACS+, CoPP
Platforms	Lenovo RackSwitch G8272, Lenovo RackSwitch G8296

For More Information

To learn more about the Lenovo Cloud Network Operating System Version 10, contact your Lenovo representative or Business Partner or visit: **lenovo.com**/server/options



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