



Arista Extensible Operating System (EOS)

- Fine-grained modularity
- Linux based kernel
- System Database for state sharing
- Self healing
- Live patching through ISSU
- Multi Chassis LAG
- Single binary image across all products
- Access to Linux tools
- VMTracer for virtual machines
- Zero Touch Provisioning
- Latency & Congestion Analysis
- Extensible platform

Overview

EOS 4.7 release adds monitoring and provisioning solutions in addition to advanced layer 2/3 feature sets. Designed with the same CPU subsystem and a unique database, the same binary image can be used across all Arista products. STP, MLAG, OSPF, BGP, ECMP and all other EOS features are now available on our portfolio of Leaf/Spine switches.

Features introduced with EOS 4.7 are listed below:

New Hardware Support

- 7124SX and 7048T-A switches

Monitoring and Provisioning

- Zero Touch Provisioning (ZTP)
- Latency and congestion analysis (LANZ)
- Digital Optical Monitoring (DOM)

Layer 2 & Layer 3 features

- IGMPv3 snooping
- Routed Interfaces
- TACACS+ Accounting
- MLAG peer link protection

Zero Touch Provisioning - ZTP

ZTP is used to configure a switch without user intervention. Built to fully leverage the power of Arista EOS, ZTP provides automated provisioning of switches. Configuration files can be scripted on the fly and the boot image of choice can be provisioned over the network.

Latency and Congestion Analysis - LANZ

LANZ allows you to track congestion and increased latency on any port, any queue in the network. Congestion events are reported in real time with a microsecond-resolution and historical data for all interfaces is maintained on the switch. Combined with the SSD option, LANZ data for many months can be stored right on the switch. Various export options are also available to transfer this data to third party devices for further analysis and display.

For more details, please visit <http://www.aristanetworks.com/en/products/eos>

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