Introduction to the Cisco ASAv

The Cisco Adaptive Security Virtual Appliance (ASAv) brings full firewall functionality to virtualized environments to secure data center traffic and multi-tenant environments.

You can manage and monitor the ASAv using ASDM or CLI. Other management options may be available.

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Prerequisites for the ASAv

For hypervisor support, see *Cisco ASA Compatibility*:

http://www.cisco.com/c/en/us/td/docs/security/asa/compatibility/asamatrx.html

Guidelines for the ASAv

Context Mode Guidelines

Supported in single context mode only. Does not support multiple context mode.

Failover Guidelines

For failover deployments, make sure that the standby unit has the same model license; for example, both units should be ASAv30s.

Unsupported ASA Features

The ASAv does not support the following ASA features:

- Clustering
- Multiple context mode
- Active/Active failover
- EtherChannels
- Shared AnyConnect Premium Licenses

Licensing for the ASAv

Model	License Requirement
ASAv10	■ Standard license: 2 SSL VPN sessions. ■ Premium license: 250 SSL VPN sessions, Advanced Endpoint Assessment, AnyConnect for Cisco VPN Phone, AnyConnect for Mobile. See the following specifications: ■ 1 Virtual CPU ■ 2 GB RAM ■ vCPU Frequency Limit of 5000 MHz ■ 100,000 concurrent firewall connections
ASAv30	■ Standard license: 2 SSL VPN sessions. ■ Premium license: 750 SSL VPN sessions, Advanced Endpoint Assessment, AnyConnect for Cisco VPN Phone, AnyConnect for Mobile. See the following specifications: ■ 4 Virtual CPUs ■ 8 GB RAM ■ vCPU Frequency Limit of 20000 MHz ■ 500,000 concurrent firewall connections **Note:** If you apply an ASAv30 license, but choose to deploy 2 or 3 vCPUs, then see the following values: 2 Virtual CPUs—4 GB RAM, vCPU Frequency Limit of 10000 MHz, 250,000 concurrent firewall connections. 3 Virtual CPUs—4 GB RAM, vCPU Frequency Limit of 15000 MHz, 350,000 concurrent firewall connections.

Note: You must install a model license on the ASAv. Until you install a license, throughput is limited to 100 Kbps so you can perform preliminary connectivity tests. A model license is required for regular operation.