



## CHAPTER 3

# Support Information for Cisco Security Appliances

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This chapter contains support information for Virtual Network Elements (VNEs) that manage Cisco security appliances in Cisco Prime Network 3.8.

This chapter contains the following topics:

- [Cisco Adaptive Security Appliance 5550 Series, page 3-1](#)
- [Cisco Adaptive Security Appliance 5580 Series, page 3-3](#)
- [Supported Technologies on Cisco Security Appliances, page 3-6](#)



**Note**

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For more information about the technologies described in this chapter, see Part 2 Technology Support.

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## Cisco Adaptive Security Appliance 5550 Series

This section includes the following information about Cisco ASA 5550 Series security appliances.

This section contains the following topics:

- [Cisco ASA 5550 Series—Supported Software Versions, page 3-2](#)
- [Cisco ASA 5550 Series—Supported Topologies, page 3-2](#)
- [Cisco ASA 5550 Series—Supported Modules, page 3-2](#)
- [Cisco ASA 5550 Series—Supported Technologies, page 3-2](#)
- [Cisco ASA 5550 Series—Supported Service Events, page 3-2](#)



**Note**

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For information on the NE types supported in Cisco Prime Network 3.8, see [Cisco Adaptive Security Appliance 5550 Series](#).

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## Cisco ASA 5550 Series—Supported Software Versions

**Table 3-1** Supported Software Versions for Cisco ASA 5550 Series—Cisco Prime Network 3.8

Software Version	Product_Version
7.2(3)12	3.6.3

## Cisco ASA 5550 Series—Supported Topologies

**Table 3-2** Supported Topologies for Cisco ASA 5550 Series—Cisco Prime Network 3.8

Topology Type	Link Type	Product_Version
Ethernet	Ethernet	3.6.3

## Cisco ASA 5550 Series—Supported Modules

**Table 3-3** Supported Modules for Cisco ASA 5550 Series—Cisco Prime Network 3.8

Module Name	Product_Version	Module Description
SSM-4GE-INC	3.6.3	SSM-4GE Included with ASA 5550 System

## Cisco ASA 5550 Series—Supported Technologies

The following technologies are supported by the Cisco ASA 5550 Series in Cisco Prime Network 3.8:

- [IP](#), page 3-6
- [Ethernet](#), page 3-9
- [Hardware](#), page 3-15
- [Serial](#), page 3-17

## Cisco ASA 5550 Series—Supported Service Events

**Table 3-4** Supported Service Events for Cisco ASA 5550 Series—Cisco Prime Network 3.8

Event Name	Product_Version	Expedited
Active IP Interfaces Found	3.6.3	Y
All IP Interfaces Down	3.6.3	Y

**Table 3-4 Supported Service Events for Cisco ASA 5550 Series—Cisco Prime Network 3.8 (Continued)**

<b>Event Name</b>	<b>Product_V ersion</b>	<b>Expedited</b>
BGP process up	3.6.3	N
Card Down	3.6.3	Y
Card In	3.6.3	Y
Card Out	3.6.3	Y
Card Up	3.6.3	Y
CPU utilization exceeded upper threshold	3.6.3	N
Device Unsupported	3.6.3	N
Keepalive configured	3.6.3	N
Keepalive not configured	3.6.3	N
Layer 2 Tunnel Down	3.6.3	N
Link up	3.6.3	N
Memory utilization exceeded upper threshold	3.6.3	N
Module Unsupported	3.6.3	N
Rx utilization exceeded upper threshold	3.6.3	N
Tx utilization exceeded upper threshold	3.6.3	N
fan-tray down	Prime Network 3.8	N
fan-tray out	Prime Network 3.8	N
power-supply down	Prime Network 3.8	N

## Cisco Adaptive Security Appliance 5580 Series

This section includes the following information about Cisco ASA 5580 Series security appliances. This section contains the following topics:

- [Cisco ASA 5580 Series—Supported Software Versions, page 3-4](#)
- [Cisco ASA 5580 Series—Supported Topologies, page 3-4](#)
- [Cisco ASA 5580 Series—Supported Modules, page 3-4](#)
- [Cisco ASA 5580 Series—Supported Technologies, page 3-4](#)

- [Cisco ASA 5580 Series—Supported Service Events, page 3-5](#)

**Note**

For information on the NE types supported in Cisco Prime Network 3.8, see [Cisco Adaptive Security Appliance 5580 Series](#):

## Cisco ASA 5580 Series—Supported Software Versions

**Table 3-5** Supported Software Versions for Cisco ASA 5580 Series—Cisco Prime Network 3.8

Software Version	Product_Version
8.1(2)	3.7
8.1(2)12	3.7

## Cisco ASA 5580 Series—Supported Topologies

**Table 3-6** Supported Topologies for Cisco ASA 5580 Series—Cisco Prime Network 3.8

Topology Type	Link Type	Product_Version
Ethernet	Ethernet	3.7

## Cisco ASA 5580 Series—Supported Modules

**Table 3-7** Supported Modules for Cisco ASA 5580 Series—Cisco Prime Network 3.8

Module Name	Product_Version	Module Description
ASA5580-4GE-CU	3.7	Cisco ASA 5580 4-port 10/100/1000 Ethernet interface card, RJ45
ASA5580-4GE-FI	3.7	Cisco ASA 5580 4-port Gigabit Ethernet fiber interface card, SR, LC
ASA5580-2X10GE-SR	3.7	Cisco ASA 5580 2-port 10 Gigabit Ethernet fiber interface card, SR, LC

## Cisco ASA 5580 Series—Supported Technologies

The following technologies are supported by the Cisco ASA 5580 Series in Cisco Prime Network 3.8:

- [IP, page 3-6](#)
- [Ethernet, page 3-9](#)
- [Hardware, page 3-15](#)

- [Serial](#), page 3-17

## Cisco ASA 5580 Series—Supported Service Events

**Table 3-8** Supported Service Events for Cisco ASA 5580 Series—Cisco Prime Network 3.8

Event Name	Product_V ersion	Expedited
Active IP Interfaces Found	3.7	Y
All IP Interfaces Down	3.7	Y
BGP process up	3.7	N
Card Down	3.7	Y
Card In	3.7	Y
Card Out	3.7	Y
Card Up	3.7	Y
CPU utilization exceeded upper threshold	3.7	N
Device Unsupported	3.7	N
Keepalive configured	3.7	N
Keepalive not configured	3.7	N
Layer 2 Tunnel Down	3.7	N
Link up	3.7	N
Memory utilization exceeded upper threshold	3.7	N
Module Unsupported	3.7	N
Rx utilization exceeded upper threshold	3.7	N
Tx utilization exceeded upper threshold	3.7	N
fan-tray down	Prime Network 3.8	N
fan-tray out	Prime Network 3.8	N
power-supply down	Prime Network 3.8	N

# Supported Technologies on Cisco Security Appliances

The following sections list the objects and attributes that are supported on Cisco security appliances in Cisco Prime Network 3.8 per technology:

This section contains the following topics:

- [IP, page 3-6](#)
- [Ethernet, page 3-9](#)
- [Hardware, page 3-15](#)
- [Serial, page 3-17](#)

## IP

**Table 3-9** IP Attribute Support on Cisco Security Appliances—Cisco Prime Network 3.8

Attribute	ASA5550	ASA5580
<b>IMO Name—IIPInterface</b>		
IP Address	Y	Y
Subnetwork Mask	Y	Y
IP Interface Addresses Array	Y	Y
Interface Name	Y	Y
Interface Description	Y	Y
IP Interface State	Y	Y
OSPF Interface Cost		
Broadcast Address		
MTU		
Lookup Method		
Address Resolution Type		
ARP Timeout		
Secured ARP		
ICMP Mask Reply		
IGMP Proxy		
HSRP Groups		
IP Multiplexing Table		
IANA Type		
Containing CTPs		
Contained CTPs		

**Table 3-9 IP Attribute Support on Cisco Security Appliances—Cisco Prime Network 3.8 (Continued)**

Attribute	ASA5550	ASA5580
<b>IMO Name—IIPMuxEntry</b>		
Termination Point		
Destination IP Subnet		
<b>IMO Name—IRoutingEntity</b>		
Routing Table	Y	Y
ARP Entity	Y	Y
Routing Table Changes		
Name	Y	Y
Logical Sons	Y	Y
<b>IMO Name—IRoutingEntry</b>		
Destination IP Subnet	Y	Y
Next Hop IP Address	Y	Y
Type	Y	Y
Routing Protocol Type	Y	Y
Outgoing Interface Name	Y	Y
<b>IMO Name—IARPEntity</b>		
ARP Table	Y	Y
<b>IMO Name—IARPEntity</b>		
IP Address	Y	Y
MAC Address	Y	Y
Port	Y	Y
Entry Type	Y	Y
<b>IMO Name—IIPPool</b>		
IP Address Pool Entries		
Name		
Index		
<b>IMO Name—IIPRangeBasedIPPoolEntry</b>		
Start IP Address		
End IP Address		
Unused Addresses		
Used Addresses		
Reserved Addresses		
<b>IMO Name—IIPSubnetBasedIPPoolEntry</b>		
IP Subnet		

**Table 3-9 IP Attribute Support on Cisco Security Appliances—Cisco Prime Network 3.8 (Continued)**

Attribute	ASA5550	ASA5580
Unused Addresses		
Used Addresses		
Reserved Addresses		
<b>IMO Name—HSRPGroupEntry</b>		
Group Number		
Port Description		
Priority		
Coupled Router		
State		
Tracking Interfaces		
Virtual IP Address		
Virtual MAC Address		
<b>IMO Name—ITunnelGRE</b>		
Name		
Tunnel Destination and Source		
IP Address		
IP Interface State		
IANA Type		
Containing CTPs		
Contained CTPs		
Keep Alive Time		
Keep Alive Retry		
<b>IMO Name—IVrrpGroupEntry</b>		
Group Number		
State		
Port Description		
Master IP Address		
Primary IP Address		
Priority		
Virtual Mac Address		
Preempt Mode		
Admin State		
Advertisement Interval		
Tracking Interfaces		



**Table 3-9** IP Attribute Support on Cisco Security Appliances—Cisco Prime Network 3.8 (Continued)

Attribute	ASA5550	ASA5580
<b>IMO Name—IIPSLAResponderService</b>		
responderStatus		
TWAMPResponderStatus		
tcpConnect		
udpEcho		
<b>IMO Name—IIPAddressPortPair</b>		
type		
ipAddress		
port		

## Ethernet

**Table 3-10** Ethernet Attribute Support on Cisco Security Appliances—Cisco Prime Network 3.8

Attribute	ASA5550	ASA5580
<b>IMO Name—ILinkAggregationGroup802dot3ad</b>		
dot3adAggMACAddress		
dot3adAggActorSystemPriority		
dot3adAggActorSystemID		
dot3adAggActorAdminKey		
dot3adAggActorOperKey		
dot3adAggPartnerSystemID		
dot3adAggPartnerSystemPriority		
dot3adAggPartnerOperKey		
dot3adAggCollectorMaxDelay		
GroupNumber		
AggregationProtocolType		
MacAddress		
ChannelAdminStatus		
ChannelOperStatus		

**Table 3-10 Ethernet Attribute Support on Cisco Security Appliances—Cisco Prime Network 3.8 (Continued)**

Attribute	ASA5550	ASA5580
<b>IMO Name—IEthernet</b>		
MAC Address	Y	Y
Duplex Mode		
Output Flow Control		
Input Flow Control		
IANA Type	Y	Y
Containing CTPs		
Contained CTPs		
Port Type		
isElmiEnabled		
isLOAMEnabled		
<b>IMO Name—IVlanInterface</b>		
Mode		
Native VLAN Identification		
Virtual LAN Table		
IANA Type		
Containing CTPs		
Contained CTPs		
vlanAdminType		
vlanencapType		
getAccess		
Allowed Vlans		
<b>IMO Name—IVlanEncapMux</b>		
IANA Type		
Containing CTPs		
Contained CTPs		
<b>IMO Name—IVlanMapping</b>		
direction		
vlanMatchCriteria		
vlanRewriteDefinition		
Drop		
Vlan		
innerVlan		
translatedVlan		

**Table 3-10 Ethernet Attribute Support on Cisco Security Appliances—Cisco Prime Network 3.8 (Continued)**

Attribute	ASA5550	ASA5580
translatedInnerVlan		
<b>IMO Name—IIEEE802</b>		
VLAN Identification		
Binding Information		
Binding Status		
IANA Type		
Containing CTPs		
Contained CTPs		
<b>IMO Name—IStpService</b>		
StpProtocol		
StpMaxAge		
StpHelloTime		
StpBridgeForwardDelay		
StpInstanceInfoTable		
Same as ISystemService		
StpUplinkFastState		
StpBackboneFastState		
StpForwardDelay		
StpBridgeMaxAge		
StpBridgeHelloTime		
<b>IMO Name—IMstService</b>		
MstProperties		
Same as IStpService		
<b>IMO Name—IPvstpService</b>		
UpLinkFast		
BackboneFast		
<b>IMO Name—IMstProperties</b>		
MstForceVersion		
MstCfgIdFmtSel		
MstExternalRootCost		
MstMaxInstances		
MstCfgIdName		
MstCfgIdRevLevel		

**Table 3-10 Ethernet Attribute Support on Cisco Security Appliances—Cisco Prime Network 3.8 (Continued)**

Attribute	ASA5550	ASA5580
<b>IMO Name—IStpInstanceInfo</b>		
Object Identification		
StpBridgeId		
BridgePriority		
Designated Parent and Root Bridges		
StpRootCost		
IsRoot		
StpRootPort		
StpPortInfoTable		
STP Instance Id		
Vlan Id		
StpDesignatedBridge		
StpDesignatedRoot		
<b>IMO Name—IMstInstanceInfo</b>		
MstVlanIds		
Same as IStpInstanceInfo		
<b>IMO Name—IPvstpInstanceInfo</b>		
Protocol Type		
StpBridgeMaxAge		
StpBridgeHelloTime		
StpBridgeForwardDelay		
StpProtocolSpecification		
StpVlanId		
StpForwardDelay		
StpMaxAge		
<b>IMO Name—IRstpInstanceInfo</b>		
StpForceVersion		
Same as IStpInstanceInfo		
<b>IMO Name—IStpPortInfo</b>		
StpPort		
StpPortPriority		
StpPortState		
StpPortPathCost		

**Table 3-10 Ethernet Attribute Support on Cisco Security Appliances—Cisco Prime Network 3.8 (Continued)**

Attribute	ASA5550	ASA5580
StpPortEdgePort		
StpPortPointToPoint		
StpPortRole		
StpDesignatedPortIdentifier		
StpDesignatedBridge		
StpPortIdentifier		
StpPortBpduGuardState		
StpPortBpduFilterState		
<b>IMO Name—IMstPortInfo</b>		
MstPortHelloTime		
Same as IStpPortInfo		
<b>IMO Name—IPvstpPortInfo</b>		
PvstpPortFastState		
<b>IMO Name—IEthernetChannel</b>		
Group Number		
Bandwidth		
Aggregation Protocol		
IANA Type		
Containing CTPs		
Contained CTPs		
Mac Address		
Admin Status		
Oper Status		
<b>IMO Name—ITokenRingLayer2</b>		
MAC Address		
IANA Type		
Containing CTPs		
Contained CTPs		
<b>IMO Name—ITokenRingLayer1</b>		
Same as IPhysicalLayer		
<b>IMO Name—IVtpService</b>		
Version		
OperatingMode		
DomainName		

**Table 3-10 Ethernet Attribute Support on Cisco Security Appliances—Cisco Prime Network 3.8 (Continued)**

Attribute	ASA5550	ASA5580
ConfigurationRevision		
isPruningEnabled		
isAuthenticationEnabled		
<b>IMO Name—IREPService</b>		
version		
administrativeVlan		
notificationEnabled		
<b>IMO Name—IREPSegmentInfo</b>		
segmentId		
segmentComplete		
<b>IMO Name—IREPPortInfo</b>		
portName		
portKey		
segmentId		
portType		
portRole		
operStatus		
blockedVlans		
preemptTimer		
IslAgeoutTimer		
remoteDeviceName		
remoteDeviceMac		
remotePortName		
configuredLoadBalancingBlockedVlans		
<b>IMO Name—IBridgeLan</b>		
Id		
<b>IMO Name—IIBridgeEntry</b>		
IS Id		
IBridge		
BBridge		

# Hardware

**Table 3-11 Hardware Attribute Support on Cisco Security Appliances—Cisco Prime Network 3.8**

Attribute	ASA5550	ASA5580
<b>IMO Name—IChassis</b>		
Description		Y
Equipment Holder Type	Y	Y
Contained Equipment Holders		
Contained Equipments		
Serial Number		Y
<b>IMO Name—IShelf</b>		
Description		
Status		
Equipment Holder Type		
Contained Equipment Holders		
Contained Equipments		
Serial Number		
<b>IMO Name—IModule</b>		
Module Name	Y	Y
Module Description	Y	Y
Software Version	Y	Y
Operational Status	Y	
Hardware Type + Version	Y	Y
Managed IP Address		
Redundant Equipment		
Configured Redundancy		
Redundancy Status		
Operational Status Last Changed		
Supported Physical Termination Points		
Serial Number (soft property)	Y	Y
Slots Number		
<b>IMO Name—IPowerSupply</b>		
Same as IModule		
<b>IMO Name—IFanTray</b>		
Same as IModule		

**Table 3-11 Hardware Attribute Support on Cisco Security Appliances—Cisco Prime Network 3.8 (Continued)**

Attribute	ASA5550	ASA5580
<b>IMO Name—IPluggableTransceiver</b>		
ConnectorDescription		
PID		
ConnectorSerialNumber		
ConnectorType		
PluggablePortState		
PluggableType		
<b>IMO Name—IManagedElement</b>		
IP Address	Y	Y
Communication State	Y	Y
Investigation State	Y	Y
Element Category	Y	Y
Element Type and Key	Y	Y
Device Name	Y	Y
System Name	Y	Y
System Description	Y	Y
Up Time	Y	Y
Software Version	Y	Y
Vendor Identity	Y	Y
Memory and CPU Usage	Y	Y
DRAM Free		
DRAM Used		
Flash Device Size	Y	
NVRAM Size	Y	
Processor DRAM		
Sys Contact	Y	Y
Sys Location	Y	Y
Serial Number	Y	Y
File Systems		
<b>IMO Name—IContext</b>		
Name		
Bounded Connections		
IP Address Pools		
Forwarding Components List		



**Table 3-11** Hardware Attribute Support on Cisco Security Appliances—Cisco Prime Network 3.8 (Continued)

Attribute	ASA5550	ASA5580
Traffic Descriptors List		
Tunnel Containers List		
Data Link Aggregation Containers List		
<b>IMO Name—ISystemService</b>		
Type		
Status		
Up Time	Y	Y
<b>IMO Name—IBridge</b>		
Bridge Table		
Type		
MAC Address		
IP Interface		
Name		
Logical Sons		
Vlan Type		
<b>IMO Name—IBridgeEntry</b>		
Destination MAC		
Outgoing Interface		

## Serial

**Table 3-12** Serial Attribute Support on Cisco Security Appliances—Cisco Prime Network 3.8

Attribute	ASA5550	ASA5580
<b>IMO Name—IPhysicalLayer</b>		
Media Type	Y	Y
Clocking Source		
Maximum Speed	Y	Y
Is Internal Port	Y	Y
Discarded Bandwidth		
Dropped Bandwidth		

**Table 3-12 Serial Attribute Support on Cisco Security Appliances—Cisco Prime Network 3.8 (Continued)**

<b>Attribute</b>	<b>ASA5550</b>	<b>ASA5580</b>
Input Bandwidth		
Output Bandwidth		
Discarded and Received Input Data Counters		
Dropped and Forward Output Data Counters		
Administrative Status	Y	Y
Operational Status	Y	Y
Last Changed		
IANA Type	Y	Y
Containing CTPs		
Contained CTPs		
Port Alias	Y	Y
Location	Y	Y
Sending Alarms	Y	Y
Connector Description	Y	
Part ID	Y	
Connector Serial Num	Y	
Product	Y	Y
Status	Y	Y
Managed	Y	Y