



Release Notes for the Cisco ASA Device Package Software, Version 1.2(7) for ACI

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Available APIC Products

Starting with release 1.2(7.8), there are two versions of the Cisco ASA Device Package software for ACI:

- Cisco ASA Device Package software for ACI - Same as the original version that was available with version 1.2(6) and earlier. This version allows you to configure many important features of ASA from the APIC, including, but not limited to, the following:
 - Interface
 - Routing
 - Access-list
 - NAT
 - TrustSec
 - Application inspection
 - NetFlow
 - High availability
- Cisco ASA Device Package Fabric Insertion software for ACI - This version contains the following subset of the features of the original version:
 - Interface
 - Dynamic routing
 - Static routing

Supported Versions

Cisco ASA Device Package software supports only the version of APIC that it is shipped with.

The following table lists the supported versions of the Cisco ASA software for each of the supported platforms:

Platform	Software Version
Cisco ASA 5500-X (5512 through 5555)	ASA software Version 8.4(x) and later
Cisco ASA 5585-X (SSP 10 through SSP 60)	
Cisco Firepower 9300 Security Appliance	ASA software Version 9.6(1) and later
Cisco Firepower 41xx Security Appliance	
Cisco ASAv	See the “ASA and ASDM Compatibility” section of the Cisco ASA Compatibility Matrix .

New Features in Version 1.2(7.8)

This software release includes support for the following:

- Starting with release 1.2(7.8), two versions of the Cisco ASA Device Package software for ACI are available. For more information about both versions, see the [“Available APIC Products” section on page 2](#).
- Support for sub-interfaces for Adaptive Security Virtual Appliances (ASAv). For more information about how to use the command, see the [Cisco ASA Series General Operations CLI Configuration Guide](#) or the [Cisco ASA Series General Operations ASDM Configuration Guide](#).

Important Notes

Pay attention to the following important notes:

- The ASAv does not support multiple context mode.
- ACE with dynamic EPG requires ASA image 9.3.2 or later.

Running APIC 1.2(x) with ASA 9.3(1)

If you are running APIC 1.2(x) with ASA 9.3(1), which has a default SSL configuration, you will see the following error:

```
*Major script error : Connection error : [SSL:SSLV3_ALERT_HANDSHAKE_FAILURE] sslv3 alert handshake failure(_ssl.c:581)*
```

The workaround is to have **ssl encryption aes128-sha1** configured on the ASA, or to upgrade the ASA to version 9.3(2) or later.

Policy Manager Locks Up when the Configuration for BGP Peering for the Service Appliance is Incomplete

Use this workaround for caveat CSCu0342:

Symptom The Policy Manager crashes when the l3Out that is used for BGP peering for the service appliance has an incomplete configuration (CSCu03425).

Conditions The l3Out used for BGP peering for the service appliance is missing l3extRsNodeL3OutAtt.

Workaround Make sure that the l3Out contains l3extRsNodeL3OutAtt. This problem will be fixed in a subsequent release.

The following shows the BGP XML example with l3extRsNodeL3OutAtt:

```
<polUni>
  <fvTenant name="tenant1">
    <l3extOut name="StaticExternal">
      <l3extLNodeP name="bLeaf-101">
```

```

<l3extRsNodeL3OutAtt tDn="topology/pod-1/node-101" rtrId="190.0.0.11">
  <ipRouteP ip="50.50.50.0/24">
    <ipNextHopP nhAddr="40.40.40.102/32"/>
  </ipRouteP>
</l3extRsNodeL3OutAtt>
<l3extLIfP name="portIf">
  <l3extRsPathL3OutAtt tDn="topology/pod-1/paths-101/pathep-[eth1/15]" ifInstT="ext-svi"
encap="vlan-3843" addr="40.40.40.100/28" mtu="1500"/>
</l3extLIfP>
</l3extLNodeP>
<l3extInstP name="ExtInstP">
  <l3extSubnet ip="50.50.50.0/24" scope="export-rtctrl"/>
</l3extInstP>
<l3extRsEctx tnFvCtxName="tenant1ctx1"/>
</l3extOut>
</fvTenant>
</polUni>

```

Manually Re-Sync the APIC if You Changed the Version of ASA After It Was Registered with the APIC

Use this workaround for caveat CSCva89163:

Symptom Some commands do not work. For example, the information for the **network** and **neighbor** commands is not displayed (CSCva89163).

Conditions If you are using a version of the ASA that is different from the version that is registered with APIC, it does not automatically re-register with the APIC. Therefore, if you are using an older version of ASA, some commands may not be supported.

Workaround Manually re-sync the APIC with the ASA by completing the following procedure:

-
- Step 1** On the **Tenants** tab of the APIC GUI, expand **L4-L7 Services** in the left pane.
 - Step 2** Expand **L4-L7 Devices**.
 - Step 3** Expand the firewall that is running APIC.
 - Step 4** Right-click the device that is running APIC, and select **Re-Query for Device Validation**.
-

Download the Software

If you have a Cisco.com login, you can obtain the Cisco ASA Device Package software image from:

<https://software.cisco.com/download/release.html?mdfid=283123066&flowid=22661&softwareid=286279676>

Install the Software

To upgrade from an older to a newer version, you do not need to remove the previous software package if your APIC release has the fix for CSCuv4353. Otherwise, remove the older version from the APIC before installing the newer version.

For instructions on how to install the Cisco ASA Device Package software, see [Cisco ASA Quick Start Guide for APIC Integration, Version 1.2.x](#).

Bug Search

If you are a registered Cisco.com user, view more information about each caveat using the Bug Search tool at:

<https://tools.cisco.com/bugsearch>

Resolved Caveat in the Cisco ASA Device Package, Version 1.2(7.10)

The following table lists the caveat resolved in the Cisco ASA Device Package, Version 1.2(7.10):

Caveat	Description
CSCvb65088	Adding and deleting ACL/ACEs may take a long time

Resolved Caveats in the Cisco ASA Device Package, Version 1.2(7.8)

The following table lists the caveats resolved in the Cisco ASA Device Package, Version 1.2(7.8):

Caveat	Description
CSCvb00492	asa-dp: serviceAudit not syn up ASA config after changing tagPacket
CSCvb27933	Add DP model for FirePower
CSCvb34578	ENH: Allow NATPolicy and NATList to be shared between ACI service graphs
CSCvb42655	asa-dp: extra 'monitor-interface ..' commands issued by serviceAudit
CSCvb13121	config from ASA is not getting deleted when I delete the tenant
CSCvb16865	next-hop self command for i-BGP not pushed in ASA (managed)

Resolved Enhancement Requests in the Cisco ASA Device Package, Version 1.2(7.8)

The following table lists the enhancement requests resolved in the Cisco ASA Device Package, Version 1.2(7.8):

Request/Caveat	Description
CSCuy09977	asa-dp: support 'tagPackets' for ASAv
CSCva66027	asa-dp: implement ASA Fabric Insertion device package
CSCva47025	asa-dp: need to have IP address field in function profile
CSCva58601	asa-dp: standby ip address mandatory in function profile for HA

Open Caveats in the Cisco ASA Device Package, Version 1.2(7.10)

The following table lists the open caveats (severity 1 to 3) in the Cisco ASA Device Package, Version 1.2(7.10):

Caveat	Description
CSCvb95956	nat source static any any command on the device
CSCvb88784	nat source static command is not present on ASA device
CSCvb77808	bunch of issues seen with the WAP/ANT shared service clean up

Related Documentation

For additional information about the Cisco ASA, see [Navigating the Cisco ASA Series Documentation](#).

For additional information about the Cisco APIC, see the [APIC Documentation](#) website and the [Cisco Application Centric Infrastructure Security Solution](#) website.

Additional Information

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation* at: <http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html>.

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