

# L4-L7 Compatibility List

## Cloud Orchestrator Mode

- This integration utilizes the device package integration between ACI and certified 3<sup>rd</sup> party device(s).
- There are two options to benefit and use this new mode of integration (APIC 3.1 and later)
  - (1) With a Northbound Cloud Orchestrator
    - Use Cisco CloudCenter native UI, or other northbound cloud orchestrators native UIs (e.g. Windows AzurePack, VMware vRealize)
    - Present context through a simplified and standardized set of configurations parameters for L4-L7 services
    - Maintain L2-7 automation
    - Flow: Cloud Orchestrator → APIC 3.1 (and later) → Device Package → Certified L4-7 controller(s)/device(s) (fully managed or service manager)
  - (2) Without a Cloud Orchestrator
    - Use the new APIC 3.1 UI (and later) directly to provide context and a new easy way to deploy and integrate L4-7 services
    - Present context through a simplified and standardized set of configurations parameters for L4-L7 services
    - Maintain L2-7 automation
    - Flow: APIC 3.1 (and later) → Device Package → Certified L4-7 controller(s)/device(s) (fully managed or service manager)

### Upgrade Notes:

- Without Upgrading Device Package:  
If a customer upgrades APIC to APIC 3.1, previous certified device packages will work without Cloud Orchestrator Mode integration.
- With Upgrading Device Package:  
If a customer upgrades the device package to enable Cloud Orchestrator Mode integration, the APIC must be upgraded to APIC 3.1 and later.

### Service Manager Mode (hybrid mode)

- Managed mode with one device package but with two controllers: APIC and 3<sup>rd</sup> party service manager
- L2-3 parameters for service devices managed through the APIC with the device package
- L4-7 services defined through the 3<sup>rd</sup> party service manager to provide operational flexibility but maintain L2-7 automation

### Fully Managed Mode (Service Policy Mode)

- Managed mode with one device package and full control from the APIC
- All the L2-7 services are defined through policies on the APIC
- One single point of management and configuration for the ACI fabric and L4-7 service devices

### Network Policy Mode (unmanaged mode)

- Unmanaged mode without device package (either EPG model or unmanaged service graphs)
- Policy driven model to provide ACI network automation
- L4-7 Service devices (ADC/FW) are configured out of band from the APIC – either directly or other orchestration/automation tools

### Firewall Vendor Compatibility Matrices:

#### Cisco ASA

Cisco ASA Device Package	Integration Model	APIC Version	ASA Versions	Device Package Link**
1.3.10.24	Cloud Orchestrator Policy Orchestration Fabric Insertion	3.1(1 <sup>1</sup> )	8.4.x-9.8.x	<a href="#">Device Package</a>
1.2.10.26	Policy Orchestration Fabric Insertion	3.0(2 <sup>2</sup> )	8.4.x-9.8.x	<a href="#">Device Package</a>
1.2.9.18	Policy Orchestration Fabric Insertion	3.0(1 <sup>1</sup> )	8.4.x-9.8.x	<a href="#">Device Package</a>
1.2.8.9	Policy Orchestration Fabric Insertion	2.2(2 <sup>2</sup> )	8.4.x-9.7.x	<a href="#">Device Package</a>
1.2.7.x	Policy Orchestration Fabric Insertion	2.1(1 <sup>1</sup> )	8.4.x-9.6.2	<a href="#">Device Package</a>
1.2.6.15	Policy Orchestration	2.0(1 <sup>1</sup> )	8.4.x-9.5.2	<a href="#">Device Package</a>
1.2.5.21	Policy Orchestration	1.3(1 <sup>1</sup> )	8.4.x-9.5.1	<a href="#">Device Package</a>
1.2.5.5	Policy Orchestration	1.2(2 <sup>2</sup> )	8.4.x-9.4.x	<a href="#">Device Package</a>

#### Notes:

- We do not recommend using any ASA-DP package older than 2016.
- Policy Orchestration == Service Policy Mode == Fully Managed Mode
- Fabric Insertion == Customized ASA device package for L2-3 automation only

## Cisco Firepower Threat Defense (FTD)

Cisco FTD Device Package	Integration Model	APIC Version	FTD Versions	Device Package Link**
1.0.2.14	Service Manager	3.0(1), 2.3(1)	FMC/FTD 6.2.2	<a href="#">Device Package</a>

## Check Point

Check Point	Integration Model	APIC Versions	vSec Version	Device Package Link
Security Gateway: R80.10/R77.30	Service Manager Mode	3.1(2*), 3.1(1*), 3.0(2*), 3.0(1*), 2.3(1), 2.2(4*), 2.2(3*), 2.2(2), 2.2(1), 2.1(4*), 2.1(3*), 2.1(2), 2.1(1*), 2.0(2), 2.0(1), 1.3(2), 1.3(1)	<a href="#">R80.10 Management Server</a>	<a href="#">Check Point Device Package v1.3</a>
Security Gateway: R77.30	Service Manager Mode	3.1(2*), 3.1(1*), 3.0(2*), 3.0(1*), 2.3(1), 2.2(4*), 2.2(3*), 2.2(2), 2.2(1), 2.1(4*), 2.1(3*), 2.1(2), 2.1(1*), 2.0(2), 2.0(1), 1.3(2), 1.3(1)	<a href="#">R80 vSEC Controller v1</a> <a href="#">R80 vSEC Controller v2</a>	<a href="#">Check Point Device Package v1.1</a>

## Palo Alto Networks

Palo Alto Networks	Integration Model	APIC Versions	Panorama Versions	Device Package Link
DP 1.3**	Service Manager Mode	3.0(2*), 2.3(1)	7.0, 7.1, 8.0	<a href="#">Device Package</a>
DP 1.1	Service Manager Mode	1.3(1), 1.2(3), 1.2(2)	7.0	<a href="#">Device Package</a>
DP 1.0	Service Manager Mode	1.0(4)	6.0, 6.1, 7.0	<a href="#">Device Package</a>

**Note:** \*\* Latest Device Package, recommended by Palo Alto Networks.

## Fortinet Inc

Fortinet	Integration Model	APIC Versions	Fortinet Versions	Device Package Link
	Service Policy Mode	2.3(1), 2.2(1), 2.1(2), 2.1(1), 2.0(2), 2.0(1), 1.3(2), 1.3(1), 1.2(3), 1.2(2), 1.2(1)	5.6.3/6.0 and above	<a href="#">Device Package</a>

## Radware – DefencePro

Radware – DefencePro	Integration Mode	APIC Version(s) Supported	Defence Pro	Device Package Link
	Service Policy Service Manager	2.0(1), 1.3(2), 1.3(1), 1.2(3), 1.2(2), 1.2(1), 1.1(4), 1.1(3), 1.1(2), 1.1(1), 1.0(4), 1.0(3), 1.0(2), 1.0(1)	6.14.3, 7.42.3	<a href="#">Device Package</a>

## ADC Vendor Compatibility Matrices:

### A10 Networks

Integration Mode	APIC Versions	A10 Thunder Versions	Device Package
Service Policy Mode	2.1(1), 2.0(2), 2.0(1), 1.3(2), 1.3(1), 1.2(3), 1.2(2), 1.2(1), 1.1(4), 1.1(3), 1.1(2), 1.1(1), 1.0(4), 1.0(3), 1.0(2), 1.0(1)	ACOS 4.1.0-P7, ACOS 4.1.1-P1	<a href="#">Device Package</a>

### Avi Networks

Integration Mode	APIC Versions	AVI Vantage Versions	Device Package**
Service Manager with API Mode	2.2(1), 2.1(2), 2.1(1), 2.0(2), 2.0(1), 1.3(2), 1.3(1), 1.2(3), 1.2(2), 1.2(1), 1.1(4), 1.1(3), 1.1(2), 1.1(1), 1.0(4)	16.2.1	<a href="#">Device Package</a>
Service Manager with API Mode	1.0(3), 1.0(2), 1.0(1)	15.2	<a href="#">Device Package</a>

**Note:** \*\* The Device Package has only been tested by Avi Networks.

## Citrix Systems

Integration Mode	APIC Versions	MAS Versions	NetScaler Versions	Device Package
Service Manager Mode - Single Context	3.1(2 <sup>1</sup> ), 3.1(1 <sup>1</sup> )	MAS ver 1.0	NetScaler 12.0 and later	Device package 12.0 Build 56.20
Service Manager Mode - Single Context	3.0(2 <sup>2</sup> ), 3.0(1 <sup>1</sup> ), 2.3(1 <sup>1</sup> ), 2.2(2 <sup>2</sup> ), 2.2(1 <sup>1</sup> ), 2.1(2 <sup>2</sup> ), 2.1(1 <sup>1</sup> ), 2.0(2 <sup>2</sup> ), 2.0(1 <sup>1</sup> ), 1.3(2 <sup>2</sup> )	MAS ver 1.0	NetScaler 11.1 and later	<a href="#">Device Package 11.1-49.16</a>
Service Policy Mode - Single Context	3.0(2 <sup>2</sup> ), 3.0(1 <sup>1</sup> ), 2.3(1 <sup>1</sup> ), 2.2(2 <sup>2</sup> ), 2.2(1 <sup>1</sup> ), 2.1(2 <sup>2</sup> ), 2.1(1 <sup>1</sup> ), 2.0(2 <sup>2</sup> ), 2.0(1 <sup>1</sup> ), 1.3(2 <sup>2</sup> ), 1.3(1 <sup>1</sup> ), 1.2(3 <sup>3</sup> ), 1.2(2 <sup>2</sup> ), 1.2(1 <sup>1</sup> ), 1.1(4 <sup>4</sup> ), 1.1(3 <sup>3</sup> ), 1.1(2 <sup>2</sup> ), 1.1(1 <sup>1</sup> ), 1.0(4 <sup>4</sup> )	NA	NetScaler 10.1 and later	<a href="#">Device Package 10.1-129.62</a>
Service Policy Mode Multiple Context	3.0(2 <sup>2</sup> ), 3.0(1 <sup>1</sup> ), 2.3(1 <sup>1</sup> ), 2.2(2 <sup>2</sup> ), 2.2(1 <sup>1</sup> ), 2.1(2 <sup>2</sup> ), 2.1(1 <sup>1</sup> ), 2.0(2 <sup>2</sup> ), 2.0(1 <sup>1</sup> ), 1.3(2 <sup>2</sup> ), 1.3(1 <sup>1</sup> ), 1.2(3 <sup>3</sup> ), 1.2(2 <sup>2</sup> ), 1.2(1 <sup>1</sup> ), 1.1(4 <sup>4</sup> ), 1.1(3 <sup>3</sup> ), 1.1(2 <sup>2</sup> ), 1.1(1 <sup>1</sup> ), 1.0(4 <sup>4</sup> )	NA	NetScaler 10.1 and later	<a href="#">Device Package 11.0-65.36</a>

## F5 Networks

Integration Mode	APIC Version(s)	iWorkflow Versions	iWorkflow Download
Service Manager Mode	TBD	2.3.0	<a href="#">iWorkflow Download link</a>
Service Manager Mode	APIC 2.2(2 <sup>2</sup> )	2.2.0, 2.1.0, 2.0.2	<a href="#">iWorkflow Download link</a>
Service Manager Mode	APIC 2.2(1 <sup>1</sup> )	2.1.0, 2.0.2	<a href="#">iWorkflow Download link</a>
Service Manager Mode	APIC 2.1(1 <sup>1</sup> )	2.0.2, 2.0.1	<a href="#">iWorkflow Download link</a>
Service Manager Mode	APIC 2.0(2 <sup>2</sup> )	2.0.2, 2.0.1	<a href="#">iWorkflow Download link</a>
Service Manager Mode	APIC 1.2(3 <sup>3</sup> )	2.0.1	<a href="#">iWorkflow Download link</a>
Service Manager Mode	APIC 1.2(2 <sup>2</sup> )	2.0.0	<a href="#">iWorkflow Download link</a>

[iWorkflow support policy](#)

[iWorkflow compatibility matrix](#)

## Radware – Alteon VA

Integration Mode	APIC Versions	Alteon VA Versions	Device Package Link
Service Policy or Service Manager	2.0(1 <sup>1</sup> ), 1.3(2 <sup>2</sup> ), 1.3(1 <sup>1</sup> ), 1.2(3 <sup>3</sup> ), 1.2(2 <sup>2</sup> ), 1.2(1 <sup>1</sup> ), 1.1(4 <sup>4</sup> ), 1.1(3 <sup>3</sup> ), 1.1(2 <sup>2</sup> ), 1.1(1 <sup>1</sup> ), 1.0(4 <sup>4</sup> ), 1.0(3 <sup>3</sup> ), 1.0(2 <sup>2</sup> ), 1.0(1 <sup>1</sup> )	30.0.4.0 and later (31)	<a href="#">Device Package</a>

## Radware – Alteon VX

Integration Mode	APIC Versions	Alteon VX Versions	Device Package Link
Service Policy or Service Manager	2.0(1 <sup>1</sup> ), 1.3(2 <sup>2</sup> ), 1.3(1 <sup>1</sup> ), 1.2(3 <sup>3</sup> ), 1.2(2 <sup>2</sup> ), 1.2(1 <sup>1</sup> ), 1.1(4 <sup>4</sup> ), 1.1(3 <sup>3</sup> ), 1.1(2 <sup>2</sup> ), 1.1(1 <sup>1</sup> ), 1.0(4 <sup>4</sup> ), 1.0(3 <sup>3</sup> ), 1.0(2 <sup>2</sup> ), 1.0(1 <sup>1</sup> )	30.0.4.0 and later (31)	<a href="#">Device Package</a>

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