



Verify the FMC Endpoint Update App

Verify the FMC endpoint update app for ACI is working properly by checking the network objects in the FMC.

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Verify the Endpoint Update in the FMC

When an APIC endpoint is pulled and pushed to the FMC, it's put into a network object named *SitePrefix_TenantName_ApplicationProfileName_ApplicationEPGName*.

Step 1 Log in to the FMC.

Step 2 Click **Objects > Object Management > Network**.

The screenshot shows the Cisco Firepower Management Center (FMC) interface. The left sidebar contains a navigation menu with categories like AAA Server, Access List, Address Pools, Application Filters, AS Path, Cipher Suite List, Community List, Distinguished Name, DNS Server Group, Dynamic Object, File List, FlexConfig, Geolocation, Interface, Key Chain, Network, PKI, Policy List, Port, Prefix List, Route Map, Security Group Tag, and Security Intelligence. The main content area is titled "Network" and contains a table of network objects. The table has columns for Name, Domain, Value, Type, and Override. A red box highlights the object SITE1_TENANTX_TEST1_EPG1_1, which has a value of 127.0.0.1 and is of type Group.

Name	Domain	Value	Type	Override
IPv4-Private-172.16.0.0-12	Global	172.16.0.0/12	Network	
IPv4-Private-192.168.0.0-16	Global	192.168.0.0/16	Network	
IPv4-Private-All-RFC1918	Global	10.0.0.0/8 172.16.0.0/12 192.168.0.0/16	Group	
IPv6-IPv4-Mapped	Global	::ffff:0.0.0.0/96	Network	
IPv6-Link-Local	Global	fe80::/10	Network	
IPv6-Private-Unique-Local-Addresses	Global	fc00::/7	Network	
IPv6-to-IPv4-Relay-Anycast	Global	192.88.99.0/24	Network	
SITE1_TENANTU_AP-TENANTU_APP	Global	127.0.0.1	Group	
SITE1_TENANTU_AP-TENANTU_USEG4APP	Global	31.30.30.33	Group	
SITE1_TENANTU_AP-TENANTU_WEB	Global	41.40.40.43 41.40.40.44	Group	
SITE1_TENANTX_TEST1_EPG1	Global	127.0.0.1	Group	
SITE1_TENANTX_TEST1_EPG1_0	Global	127.0.0.1	Group	
SITE1_TENANTX_TEST1_EPG1_1	Global	127.0.0.1	Group	

What to do next

For troubleshooting purposes, you can track endpoints in the APIC's EP Tracker and Object Store Browser:

APIC

admin

System Tenants Fabric Virtual Networking L4-L7 Services Admin **Operations** Apps Integrations

Visibility & Troubleshooting | Capacity Dashboard | **EP Tracker** | Visualization

EP Tracker

End Point Search

70.0.0.100 Search

Learned At	Tenant	Application	EPG	IP
Pod:1, Leaf:104, Port:eth1/32	T1	app-prof	web	70.0.0.100

State Transitions

▼ Date IP MAC EPG VRF Action Node Interface Encap

Page 0 of 0 Objects Per Page: 15 No Objects Found

Object Store

Class or DN or URL Property Operation Value

fvCEp Run Query

2 objects found Show URL and response of last query Empty Properties: Show Hide

fvCEp

Property	Value
dn	< uni/tn-T1/ap-app-prof/epg-app/cep-BC:16:65:B4:7A:76 >
annotation	
childAction	
contName	
encap	vlan-3002
extMngdBy	
id	0
idepdn	
ip	80.0.0.100
lcC	learned
lcOwn	local
mac	BC:16:65:B4:7A:76
mcastAddr	not-applicable

Additional notes:

- During the push process, the REST operation (POST, PUT, or DELETE) is determined based on the comparison of what data is on the APIC and what is on the FMC.
- For diff calculation, each tenant updates only the data of its own tenant.
- When all endpoints are deleted from an APIC endpoint group (EPG), the corresponding object group on the FMC gets deleted too. But if the object group is referenced or used in any access rule on the FMC, because there is a dependency, the object group cannot get deleted. In this case, we keep the group name and put the localhost IP address, 127.0.0.1, inside the group instead.

