



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.

- [Verify the Endpoint Update in the FMC, on page 1](#)

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*.

Procedure

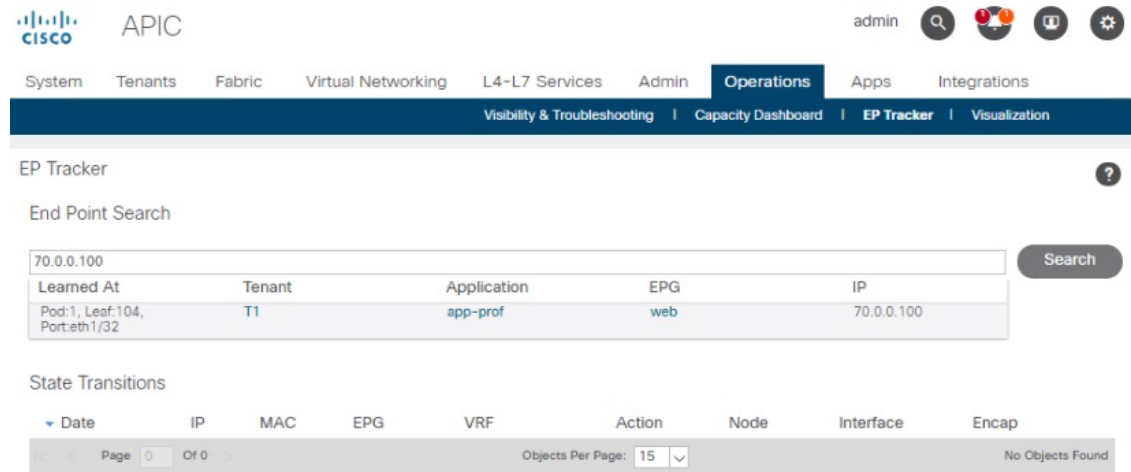
Step 1 Log in to the FMC.

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

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

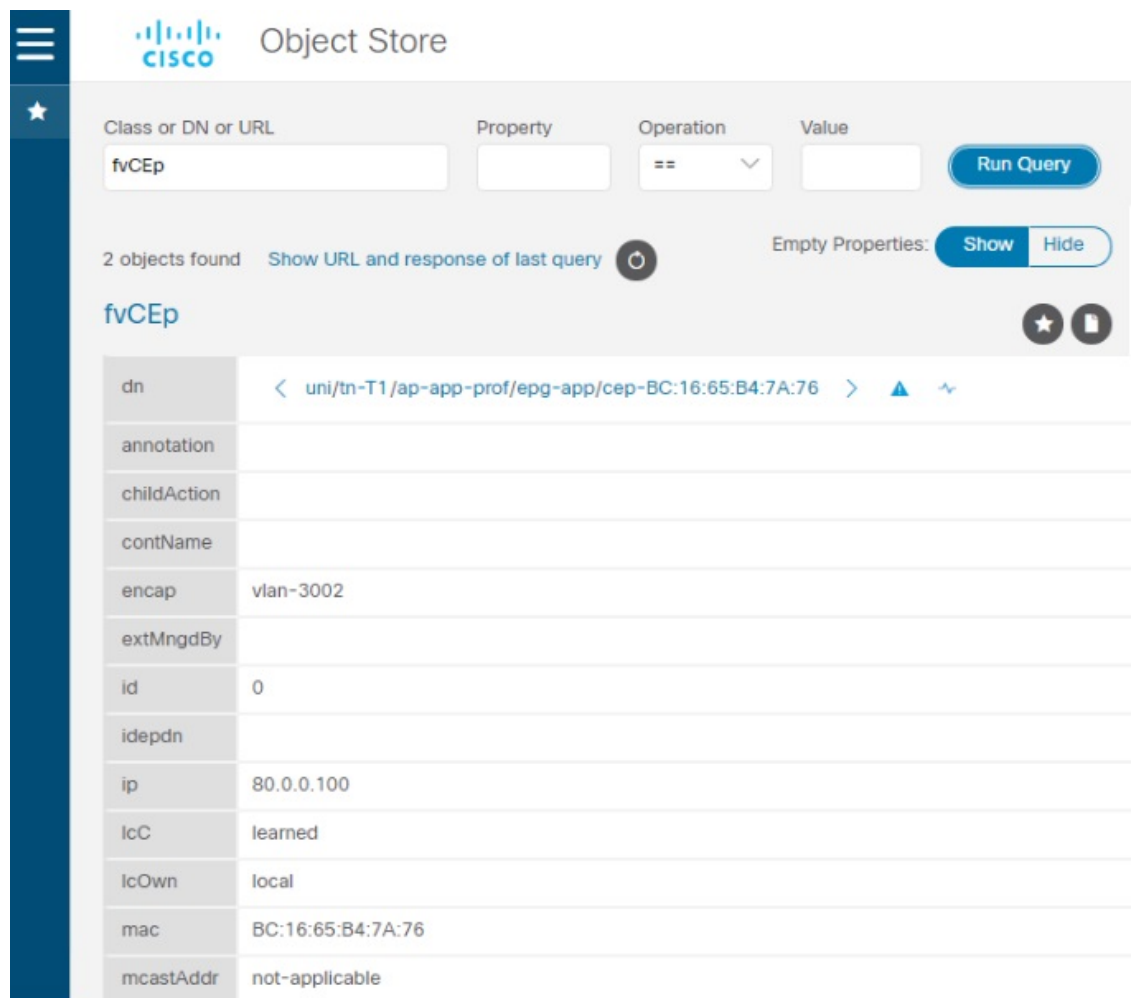
For troubleshooting purposes, you can track endpoints in the APIC's EP Tracker and Object Store Browser:



The screenshot shows the APIC EP Tracker interface. At the top, there are navigation tabs: System, Tenants, Fabric, Virtual Networking, L4-L7 Services, Admin, Operations (selected), Apps, and Integrations. Below these are sub-tabs: Visibility & Troubleshooting, Capacity Dashboard, EP Tracker (selected), and Visualization. The main content area is titled "EP Tracker" and includes an "End Point Search" section. A search input field contains "70.0.0.100" and a "Search" button. Below the search bar is a table with the following data:

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

Below the table is a "State Transitions" section with a table header: Date, IP, MAC, EPG, VRF, Action, Node, Interface, Encap. The table is currently empty, showing "Page 0 of 0" and "Objects Per Page: 15".



The screenshot shows the APIC Object Store interface. At the top, there are navigation tabs: System, Tenants, Fabric, Virtual Networking, L4-L7 Services, Admin, Operations (selected), Apps, and Integrations. Below these are sub-tabs: Visibility & Troubleshooting, Capacity Dashboard, EP Tracker, and Visualization. The main content area is titled "Object Store" and includes a search section. A search input field contains "fvCEp" and a "Run Query" button. Below the search bar is a table with the following data:

Class or DN or URL	Property	Operation	Value
fvCEp		==	

Below the table is a "2 objects found" section with a "Show URL and response of last query" button. The main content area is titled "fvCEp" and includes a table with the following data:

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.

