



# APIC - EPG Operations

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# Add ACL Entry To APIC EPG

## Summary

Add an ACL entry to an EPG.

## Description

This task adds an ACL Entry to endpoint group (EPG). It requires an EPG, a service graph name, and contract as inputs .

## Inputs

Input	Description	Mappable To Type	Mandatory
EPG Name	Select an EPG to add ACL Entries.	ApicDeviceTenant EPGIdentity	Y
Node	Select Tenant Service Graph Node for which subject is to be added.	ApicTenantL4L7Service GraphNodeIdentity	Y
Contract Name	Select a contract name for which subject is to be added.	ApicDeviceTenant ContractIdentity	Y
ACL List Name	Enter an ACL Entry List name.	gen_text_input	Y
ACL Entry Name	Enter an ACL Entry name. The name must not contain an underscore (_).	gen_text_input	Y
Protocol	Select a protocol. Valid protocols are IP, TCP, UDP or ICMP. Default value is IP.	gen_text_input	
Source Any	Check to enable Any Source. Default value is checked.	gen_text_input	
Source Address	Enter Source IP Address, IP Address Range or IP Address Subnet Mask.	gen_text_input	
Destination Any	Check to enable Any Destination. Default value is checked.	gen_text_input	
Destination Address	Enter Destination IP Address, IP Address Range or IP Address Subnet Mask.	gen_text_input	
Action	Select an action. Specify either permit or deny. The default value is deny.	gen_text_input	
Order	Enter Order of Entry.	gen_text_input	
Is shared parameter required?	Check to share parameters to Devices. Default Shared Parameters value is unchecked.	gen_text_input	

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity

Output	Description	Type
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
SERVICE_GRAPH	Service Graph	gen_text_input
TENANT_L4L7_SERVICE_GRAPH_NODE_IDENTITY	APIC Tenant Service Graph Node Identity	ApicTenantL4L7ServiceGraphNodeIdentity
OUTPUT_TENANT_L4L7_NODE_ACL_IDENTITY	APIC Tenant Service Graph Node ACL Identity	ApicTenantL4L7NodeAclIdentity
OUTPUT_TENANT_L4L7_EPG_ACL_IDENTITY	APIC Tenant Service Graph EPG ACL Identity	ApicTenantL4L7EPGAclIdentity
OUTPUT_TENANT_L4L7_NODE_ACCESS_CONTROL_ENTRY_IDENTITY	APIC Tenant Service Graph Node Access Control Entry Identity	ApicTenantL4L7NodeAccessEntryControlIdentity
OUTPUT_TENANT_L4L7_ACL_EPG_IDENTITY	APIC Tenant Service Graph ACL EPG Identity	ApicTenantL4L7AclEPGIdentity
OUTPUT_TENANT_L4L7_NODE_ACLNAME_IDENTITY	APIC Tenant Service Graph ACL Name Identity	ApicTenantL4L7NodeAclIdentity
OUTPUT_TENANT_L4L7_NODE_ACLNAME	APIC Tenant Service Graph ACL Name	gen_text_input

# Add APIC EPG Contract Master

## Summary

Add APIC EPG Contract Master.

## Description

This task adds a contract master to an EPG.

## Inputs

Input	Description	Mappable To Type	Mandatory
EPG	Select an apic epg to add epg contract master.	ApicDeviceTenantEPGIdentity	Y
Application Profile	Click to choose an application profile that you want to add to the contract.	ApicDeviceTenantApplnProfileIdentity	Y
Application EPG	Click to choose an EPG that you want to add to the contract.	ApicDeviceTenantEPGIdentity	Y

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
TENANT_APPLN_PROFILE	Tenant's Application Profile	gen_text_input
TENANT_APPLN_PROFILE_IDENTITY	APIC Tenant Application Profile Identity	ApicDeviceTenantApplnProfileIdentity
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
OUTPUT_EPG_CONTRACT_MASTER	APIC Tenant EPG Contract Master Identity	APIC_DEVICE_TENANT_EPG_CONTRACT_MASTER_IDENTITY

# Add Bridge Group Interface To APIC EPG

## Summary

Add a bridge group interface to an EPG.

## Description

This task adds a bridge group interface with name and IP information to an endpoint group (EPG).

## Inputs

Input	Description	Mappable To Type	Mandatory
EPG Name	Select an EPG name.	ApicDeviceTenant EPGIdentity	Y
Node	Select a service graph node.	ApicTenantL4L7Service GraphNodeIdentity	Y
Contract Name	Select Contract Name for which subject to be added.	ApicDeviceTenantContract Identity	Y
Bridge Group ID	Enter Bridge Group ID. The bridge group ID is an integer value between 1 and 100.	gen_text_input	Y
IPv4 Address Value	Enter IPv4 Address Value in the format i.i.i.i/i.i.i.i. For example: 2.2.2.2/3.3.3.3.	gen_text_input	

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
SERVICE_GRAPH	Service Graph	gen_text_input
TENANT_SERVICE_GRAPH_IDENTITY	APIC Tenant Bidirectional Service Graph Identity	ApicDeviceTenantService GraphIdentity
TENANT_L4L7_SERVICE_GRAPH_NODE_IDENTITY	APIC Tenant Service Graph Node Identity	ApicTenantL4L7ServiceGraph NodeIdentity
TENANT_BRIDGE_GROUP_INTERFACE_IDENTITY	APIC Tenant Bridge Group Interface Identity	ApicTenantBridgeGroup InterfaceIdentity
TENANT_BRIDGE_GROUP_EPG_INTERFACE_IDENTITY	APIC Tenant Bridge Group EPG Interface Identity	ApicTenantDeleteBridge GroupInterfaceIdentity

# Add Contract To APIC EPG

## Summary

Add a contract to an EPG.

## Description

This task adds a contract to an endpoint group (EPG) for a tenant on the APIC controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
EPG	Select an EPG.	ApicDeviceTenant EPGIdentity	Y
Contract Type	Choose Contract Type. The contract type can be Consumed Contract or Provided Contract. The default value is Consumed Contract.	gen_text_input	Y
Contract	Select a contract name.	ApicDeviceTenantContract Identity	Y
QoS	Choose QoS. The priority level of the QoS can be unspecified, level1, level2 or level3. The default value is unspecified.	gen_text_input	Y
Contract Label	Enter contract label.	gen_text_input	
Subject Label	Enter subject label.	gen_text_input	

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
TENANT_APPLN_PROFILE	Tenant's Application Profile	gen_text_input
TENANT_APPLN_PROFILE_IDENTITY	APIC Tenant Application Profile Identity	ApicDeviceTenantApplnProfile Identity
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
CONTRACT_TYPE	Contract Type	gen_text_input
CONTRACT_NAME	Contract Name	gen_text_input
TENANT_CONTRACT_IDENTITY	APIC Tenant Contract Identity	ApicDeviceTenantContract Identity

Output	Description	Type
TENANT_EPG_CONTRACT_IDENTITY	APIC Tenant EPG Contract Identity	ApicDeviceTenantLabel ContractSubjectIdentity
QOS	QoS	gen_text_input



# Add Domain To APIC EPG

## Summary

Add a domain to an EPG.

## Description

This task adds a domain to an endpoint group (EPG) for a tenant on the APIC controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
EPG	Select an EPG.	ApicDeviceTenant EPGIdentity	Y
Domain Profile	Select a domain profile.	ApicDomainProfile Identity	Y
Deploy Immediacy	Choose on demand or immediate as deploy immediacy. The default value is on demand.	gen_text_input	
Resolution Immediacy	Choose on demand or immediate as resolution immediacy. The default value is on demand.	gen_text_input	
Allow Promiscuous	Choose reject or accept as allow promiscuous. The default value is reject.	gen_text_input	
Forged Transmits	Choose reject or accept as forged transmits. The default value is accept.	gen_text_input	
MAC Changes	Choose reject or accept as MAC changes. The default value is accept.	gen_text_input	
Delimiter	Enter a delimiter charcter, supported delimiters are ~ ! + @ ^	gen_text_input	
Allow Micro-Segmentation	Choose true to allow Micro-Segmentation. The default value is unspecified.	APICCheckBoxTrueor FalseType	
VLAN Mode	Choose static or dynamic for vlan mode. The default value is blank.	APIC Static or Dynamic Type	
Netflow	Select enabled or disabled as state of netflow. Default value is blank.	APIC Enable or Disable Type	

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity

Output	Description	Type
TENANT_APPLN_PROFILE	Tenant's Application Profile	gen_text_input
TENANT_APPLN_PROFILE_IDENTITY	APIC Tenant Application Profile Identity	ApicDeviceTenantApplnProfileIdentity
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
DOMAIN_TYPE	DomainType	gen_text_input
DOMAIN_PROFILE	DomainProfile	gen_text_input
DOMAIN_PROFILE_IDENTITY	Domain Profile Identity	ApicDeviceTenantDomainToEPGIdentity
APIC_DOMAIN_DVSWITCH_IDENTITY	Apic Domain Distributed Virtual Switch	gen_text_input
APIC_DOMAIN_DVSWITCH_PORTGROUP_IDENTITY	Apic Domain Distributed Virtual Switch Port Group	gen_text_input
EPG_VLAN_ID	APIC EPG VLAN Identity	gen_text_input
EPG_INTEGER_VLAN_ID	APIC EPG VLAN Integer	gen_text_input
EPG_INT	APIC EPG VLAN Integer Identity	vlanID
APIC_DOMAIN_DVSWITCH_PORTGROUP	APIC Domain DVSwitch Port Group	gen_text_input
VMWARE_DVSWITCH_PORTGROUP_IDENTITY	VMware DVPortgroup Identity	VMwareDVPortgroupIdentity
EPG_DOMAIN_PROFILE_IDENTITY	EPG Domain Profile Identity	ApicDeviceTenantDomainProfileToEPGIdentity
HYPER_V_VM_NETWORK_IDENTITY	Hyper-V VM Network Identity	hypervVMNetworkIdentity
OUTPUT_LOGICAL_NETWORK	Logical Network Identity	hypervLogicalNetworkIdentity
OUTPUT_LOGICAL_NETWORK_DEF_IDENTITY	Logical Network Definition (Site) Identity	hypervLogicalNetworkDefIdentity
TENANT_EPG_ENCAPSULATION	Encapsulation	gen_text_input
OUTPUT_TENANT_PRIMARY_VLAN_EPG_ENCAPSULATION	APIC Primary VLAN EPG Encapsulation	gen_text_input

# Add Function Config Parameters To APIC EPG

## Summary

Add function config parameters to an EPG.

## Description

This task adds function configuration parameters to an endpoint group (EPG) on the APIC controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
EPG Name	Select an EPG name.	ApicDeviceTenant EPGIdentity	Y
Contract Name	Select a contract name.	ApicDeviceTenantContract Identity	Y
Node	Select a node.	ApicTenantL4L7Service GraphNodeIdentity	Y
External Interface	Enter an External Interface name. Use only alphanumeric characters. For example: ExtIntFuncConfig.	gen_text_input	
Internal Interface	Enter an Internal Interface name. Use only alphanumeric characters. For example: InternalIntFuncConfig.	gen_text_input	
Is shared parameter required?	Check Shared either true or false. The default value is false.	gen_text_input	

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
SERVICE_GRAPH	Service Graph	gen_text_input
TENANT_CONTRACT	APIC Tenant Contract	gen_text_input
APPLICATION_PROFILE	Application Profile	gen_text_input
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_L4L7_SERVICE_GRAPH_NODE_IDENTITY	APIC Tenant Service Graph Node Identity	ApicTenantL4L7Service GraphNodeIdentity
OUTPUT_EPG_EXTERNAL_INTERFACE	EPG Function Config External Interface	gen_text_input

Output	Description	Type
OUTPUT_EPG_INTERNAL_INTERFACE	EPG Function Config Internal Interface	gen_text_input

# Add IGMP Snoop Static Group to APIC Static Path

## Summary

Add IGMP Snoop Static Group to APIC Static Path.

## Description

This task will allow user to add an IGMP Snoop static group to the current Static Path available in APIC EPG.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select Static Path	Select a static path to IGMP snoop static group.	ApicDeviceTenantStaticPathToEPGIdentity	Y
Group Address	Enter a multicast IP address as group address. For example, 234.0.0.0.	gen_text_input	Y
Source Address	Enter wildcard or a valid IP address as source address. For example, 12.1.1.1.	gen_text_input	Y

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
TENANT_APPLN_PROFILE	Tenant's Application Profile	gen_text_input
TENANT_APPLN_PROFILE_IDENTITY	APIC Tenant Application Profile Identity	ApicDeviceTenantApplnProfileIdentity
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
TENANT_EPG_STATIC_PATH	Static Path	gen_text_input
TENANT_EPG_STATIC_PATH_IDENTITY	Static Path Identity	ApicDeviceTenantStaticPathToEPGIdentity
OUTPUT_APIC_IGMP_SNOOP_STATIC_GROUP_IDENTITY	APIC Tenant's FHS Trust Control Policy Identity	APIC IGMP Snoop Static Group Identity

# Add Interface To APIC EPG

## Summary

Add an interface to an EPG.

## Description

This task adds an interface to an endpoint group (EPG). It requires an EPG, a service graph name, and a contract as inputs.

## Inputs

Input	Description	Mappable To Type	Mandatory
EPG Name	Select an EPG to add Interface.	ApicDeviceTenant EPGIdentity	Y
Node	Select Tenant Service Graph Node for which subject is to be added.	ApicTenantL4L7Service GraphNodeIdentity	Y
Contract Name	Select Tenant Contract for which subject is to be added.	ApicDeviceTenantContract Identity	Y
Interface Name	Enter an interface name. Interface name similar to Application Profile Tier name.	gen_text_input	Y
IPv4 Address	Enter IPv4 Address Value.	gen_text_input	
Security Level	Enter Security Level as an integer between 0 and 100.	gen_text_input	Y
Bridge Group ID	Enter Bridge Group ID as an integer value between 1 and 100.	ApicTenantBridgeGroup InterfaceIdentity	
Inbound ACL	Enter Inbound ACL Value.	ApicTenantL4L7NodeAcl Identity	
Outbound ACL	Enter Outbound ACL Value.	ApicTenantL4L7NodeAcl Identity	
Is shared parameter required?	Check to share parameters to Devices. Default Shared Parameters value is unchecked.	gen_text_input	

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
SERVICE_GRAPH	Service Graph	gen_text_input

Output	Description	Type
TENANT_SERVICE_GRAPH_IDENTITY	APIC Tenant Bidirectional Service Graph Identity	ApicDeviceTenantServiceGraphIdentity
TENANT_L4L7_SERVICE_GRAPH_NODE_IDENTITY	APIC Tenant Service Graph Node Identity	ApicTenantL4L7ServiceGraphNodeIdentity
TENANT_L4L7_SERVICE_GRAPH_NODE_INTERFACE_IDENTITY	APIC Tenant Service Graph Node Interface Identity	gen_text_input
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
OUTPUT_TENANT_L4L7_EPG_INTERFACE_IDENTITY	APIC Tenant Service Graph EPG Interface Identity	ApicTenantL4L7EPGInterfaceIdentity
OUTPUT_TENANT_L4L7_INTERFACE_EPG_IDENTITY	APIC Tenant Service Graph Interface EPG Identity	ApicTenantL4L7InterfaceEPGIdentity

# Add Load Balancer Parameters To APIC EPG

## Summary

Add load balancer parameters to an EPG via APIC.

## Description

This task adds load balancer (LB) parameters to an endpoint group (EPG) on the APIC Controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
EPG Name	Select an EPG name.	ApicDeviceTenant EPGIdentity	Y
Contract Name	Select a contract name.	ApicDeviceTenant ContractIdentity	Y
Node	Select a node.	ApicTenant L4L7ServiceGraph NodeIdentity	Y
External IP	Enter an External IP in the format i.i.i.i. For example: 2.2.2.2.	gen_text_input	
External Netmask	Enter an External Netmask in the range 1 to 30.	gen_text_input	
Enable Dynamic Route (External IP)	Choose Enable Dynamic Route (External IP). Specify the value as either enabled or disabled. The default value is 'disabled'.	gen_text_input	
Enable Host Route (External IP)	Choose Enable Host Route (External IP). Specify the value as either enabled or disabled. The default value is 'disabled'.	gen_text_input	
Internal IP	Enter an Internal IP in the format i.i.i.i. For example: 2.2.2.2.	gen_text_input	
Internal Netmask	Enter an Internal Netmask in the range 1 to 30.	gen_text_input	
Services	Enter Service IP's with comma seperated	gen_text_input	
LB IPV4 IP	Enter a LB IPv4 address, For example: IPv4 Address 10.1.1.1.	gen_text_input	
LB IPV4 IP Netmask	Enter a LB IPv4 address Netmask in the range 1 to 30.	gen_text_input	
Enable Dynamic Route (VIP)	Choose Enable Dynamic Route (VIP). Specify the value as either enabled or disabled. The default value is 'disabled'.	gen_text_input	
Enable Host Route (VIP)	Choose Enable Host Route (VIP). Specify the value as either enabled or disabled. The default value is 'disabled'.	gen_text_input	
Protocol	Choose a protocol. Specify any one of these values: ADNS, DNS, MSSQL, RDP, SSL, TFTP, ADNS_TCP, DNS_TCP, MYSQL, RPCSVR,	gen_text_input	



Input	Description	Mappable To Type	Mandatory
	SSL_BRIDGE, UDP, ANY, DTLS, NNTP, RTSP, SSSL_DIAMETER, DHCPRA, FTP, ORACLE, SIP_UDP, SSL_TCP, DIAMETER, HTTP, RADIUS, SNMP, TCP. The default value is 'ADNS'.		
Port	Enter a port in the range 0 to 65535. The default value is 80.	gen_text_input	
Is Ad-hoc specification required?	Check Is Ad-hoc specifications required either true or false. The default value is true.	gen_text_input	
Shared?	Check Shared either true or false. The default value is false.	gen_text_input	
Cookie Name	Enter a cookie name.	gen_text_input	
LB Method	Choose LB Method. Specify any one of these values: LEASTREQUEST, SRCIPDESTIPHASH, TOKEN, SOURCEIPHASH, LEASTCONNECTION, LRTM, SRCIPSRCPORHASH, CALLIDHASH, CUSTOMLOAD, ROUNDROBIN, LEASTBANDWIDTH, LEASTPACKETS, DOMAINHASH, URLHASH. The default value is 'LEASTREQUEST'.	gen_text_input	
Persistence Type	Choose Persistence Type. Specify any one of these values: URLPASSIVE, RULE, COOKIEINSERT, RTSPSID, NONE, SSLSESSION, SOURCEIP, CUSTOMSERVERID, DIAMETER, CALLID, DESTIP, SRCIPDESTIP. The default value is 'SOURCEIP'.	gen_text_input	

### Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
SERVICE_GRAPH	Service Graph	gen_text_input
TENANT_L4L7_SERVICE_GRAPH_NODE_IDENTITY	APIC Tenant Service Graph Node Identity	ApicTenantL4L7ServiceGraphNodeIdentity
TENANT_EPG	APIC Tenant EPG	gen_text_input

<b>Output</b>	<b>Description</b>	<b>Type</b>
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
TENANT_CONTRACT	APIC Tenant Contract	gen_text_input
TENANT_CONTRACT_IDENTITY	APIC Tenant Contract Identity	ApicDeviceTenantContractIdentity
NETWORK_FOLDER	Network Folder	gen_text_input
TENANT_VIP_IDENTITY	APIC Tenant VIP Identity	ApicDeviceTenantEPGL4L7IPv46ParamIdentity

# Add Load Balancer Route Parameters To APIC EPG

## Summary

Add load balancer route parameters to an EPG.

## Description

This task adds load balancer route parameters to an endpoint group (EPG) on the APIC controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
EPG Name	Select an EPG name.	ApicDeviceTenant EPGIdentity	Y
Contract Name	Select a contract name.	ApicDeviceTenantContract Identity	Y
Node	Select a node.	ApicTenantL4L7Service GraphNodeIdentity	Y
Network Name	Enter a network name.	gen_text_input	
Network IP Address	Enter a network IP address in the format i.i.i.i. For example: 2.2.2.2.	gen_text_input	
Network Mask	Enter a network mask between 1 and 30.	gen_text_input	
Gateway Address	Enter gateway address in the format i.i.i.i. For example: 2.2.2.2.	gen_text_input	
Shared?	Check Shared either true or false. The default value is false.	gen_text_input	

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
SERVICE_GRAPH	Service Graph	gen_text_input
TENANT_L4L7_SERVICE_GRAPH_NODE_IDENTITY	APIC Tenant Service Graph Node Identity	ApicTenantL4L7ServiceGraph NodeIdentity
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
TENANT_CONTRACT	APIC Tenant Contract	gen_text_input
TENANT_CONTRACT_IDENTITY	APIC Tenant Contract Identity	ApicDeviceTenantContract Identity

## Add Load Balancer Service Parameters To APIC EPG

### Summary

Add load balancer service parameters to an EPG.

### Description

This task adds load balancer service parameters to endpoint group (EPG) on the APIC controller.

### Inputs

Input	Description	Mappable To Type	Mandatory
EPG Name	Select an EPG name.	ApicDeviceTenant EPGIdentity	Y
Node	Select a node.	ApicTenantL4L7Service GraphNodeIdentity	Y
VIP	Select a VIP.	ApicDeviceTenant EPGL4L7IPv46Param Identity	Y
Services	Enter Service IP addresses separated by commas. For example: 1.1.1.1, 1.2.3.4, 1.2.4.4.	gen_text_input	
Protocol	Choose a protocol. Specify any one of these values: ADNS, DNS, MSSQL, RDP, SSL, TFTP, ADNS_TCP, DNS_TCP, MYSQL, RPCSVR, SSL_BRIDGE, UDP, ANY, DTLS, NNTP, RTSP, SSSL_DIAMETER, DHCPRA, FTP, ORACLE, SIP_UDP, SSL_TCP, DIAMETER, HTTP, RADIUS, SNMP, TCP. The default value is 'ADNS'.	gen_text_input	
Port	Enter a port in the range 0 to 65535. The default value is 80.	gen_text_input	
Is Ad-hoc specification required?	Check Is Ad-hoc specifications required either true or false. The default value is true.	gen_text_input	
Shared?	Check Shared either true or false. The default value is false.	gen_text_input	

### Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity

<b>Output</b>	<b>Description</b>	<b>Type</b>
SERVICE_GRAPH	Service Graph	gen_text_input
TENANT_L4L7_SERVICE_GRAPH_NODE_IDENTITY	APIC Tenant Service Graph Node Identity	ApicTenantL4L7ServiceGraphNodeIdentity
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
TENANT_LOAD_BALANCER_SERVER_IP	APIC Tenant Load Balancer Server IP	gen_text_input

# Add SSL Offload Parameters to APIC EPG

## Summary

Add secure sockets layer offload parameters to an EPG.

## Description

This task adds secure sockets layer (SSL) offload parameters to an endpoint group (EPG). SSL offloading increases the effectiveness of the security offered by the certificates in UCS Director.

## Inputs

Input	Description	Mappable To Type	Mandatory
EPG Name	Select an EPG name.	ApicDeviceTenant EPGIdentity	Y
Contract Name	Select a contract name.	ApicDeviceTenantContract Identity	Y
Node	Select a node.	ApicTenantL4L7Service GraphNodeIdentity	Y
Cert	Enter Cert. Use only alphanumeric characters and underscores. For example: server_cert1.	gen_text_input	
Cert Key	Enter Cert Key. Use only alphanumeric characters and underscores. For example: Sslkey1.	gen_text_input	
Key	Enter a key. Use only alphanumeric characters and underscores. For example: server_key1.	gen_text_input	
IP Address	Enter an IP address in the format i.i.i.i. For example: 2.2.2.2.	ipaddress	
Port	Enter a port in the range 0 to 65535.	gen_text_input	
Service Type	Enter a service type. Use only alphanumeric characters and underscores. For example: Sslservice1.	gen_text_input	

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
SERVICE_GRAPH	Service Graph	gen_text_input

<b>Output</b>	<b>Description</b>	<b>Type</b>
TENANT_L4L7_SERVICE_GRAPH_NODE_IDENTITY	APIC Tenant Service Graph Node Identity	ApicTenantL4L7ServiceGraphNodeIdentity
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
TENANT_CONTRACT	APIC Tenant Contract	gen_text_input
TENANT_CONTRACT_IDENTITY	APIC Tenant Contract Identity	ApicDeviceTenantContractIdentity

# Add Static Node To APIC EPG

## Summary

Add a static node to an EPG.

## Description

This task adds a static node to an endpoint group (EPG) for a tenant on the APIC controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
EPG	EPG	ApicDeviceTenant EPGIdentity	Y
Node	Node	ApicFabricNodeIdentity	Y
Encapsulation	Encapsulation	gen_text_input	Y
Mode	Choose trunk or access(802.1p) or access(untagged) as mode. The default value is trunk.	gen_text_input	
Deployment Immediacy	Choose lazy or immediate as deployment immediacy. The default value is lazy.	gen_text_input	Y

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
TENANT_APPLN_PROFILE	Tenant's Application Profile	gen_text_input
TENANT_APPLN_PROFILE_IDENTITY	APIC Tenant Application Profile Identity	ApicDeviceTenantApplnProfileIdentity
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
TENANT_EPG_STATIC_NODE	Static Node	gen_text_input
TENANT_EPG_STATIC_NODE_IDENTITY	Static Node Identity	ApicDeviceTenantStaticNodeToEPGIdentity
TENANT_EPG_ENCAPSULATION	Encapsulation	gen_text_input



# Add Static Path To APIC EPG

## Summary

Add a static path to an EPG.

## Description

This task adds a static path to an endpoint group (EPG) for a tenant on the APIC controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
EPG	Select an EPG name.	ApicDeviceTenant EPGIdentity	Y
Path Type	Choose port, direct port channel or virtual port channel as path type. The default value is port.	gen_text_input	Y
Path	Select static path.	ApicDeviceStaticPathIdentity	Y
Path	Select static path.	ApicDeviceDPCStaticPath Identity	Y
Path	Select static path.	ApicDeviceVPCStaticPath Identity	Y
Encapsulation	Enter encapsulation for a static node, it supports VLAN,VXLAN,QINQ. Format example: vlan-1 (or) vxlan-50102 (or) qiniq-123-213.	gen_text_input	Y
Deployment Immediacy	Choose on demand or immediate as deployment immediacy. The default value is on demand.	ApicStaticPathDeploy EPGAuthenticationType	Y
Mode	Choose tagged, untagged, or 802.1P tagged as mode. The default value is tagged.	ApicStaticPathImmd EPGAuthenticationType	Y
Primary VLAN for Mirco-Seg	Enter encapsulation for a primary VLAN. Format example: vlan-1.	gen_text_input	

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
TENANT_APPLN_PROFILE	Tenant's Application Profile	gen_text_input

Output	Description	Type
TENANT_APPLN_PROFILE_IDENTITY	APIC Tenant Application Profile Identity	ApicDeviceTenantApplnProfileIdentity
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
TENANT_EPG_STATIC_PATH	Static Path	gen_text_input
TENANT_EPG_STATIC_PATH_IDENTITY	Static Path Identity	ApicDeviceTenantStaticPathToEPGIdentity
TENANT_EPG_ENCAPSULATION	Encapsulation	gen_text_input
TENANT_EPG_DPC_STATIC_PATH	DPC Static Path	gen_text_input
TENANT_EPG_DPC_STATIC_PATH_IDENTITY	DPC Static Path Identity	ApicDeviceDPCStaticPathIdentity
TENANT_EPG_VPC_STATIC_PATH	VPC Static Path	gen_text_input
TENANT_EPG_VPC_STATIC_PATH_IDENTITY	VPC Static Path Identity	ApicDeviceVPCStaticPathIdentity
OUTPUT_TENANT_PRIMARY_VLAN_EPG_ENCAPSULATION	APIC Primary VLAN EPG Encapsulation	gen_text_input

# Add Static Route To Interface On APIC EPG

## Summary

Add a static route to an interface on an EPG via APIC in UCSD.

## Description

This task adds static route information to an interface on an endpoint group (EPG) on the APIC Controller. It requires an endpoint group (EPG), contract, and node name as inputs.

## Inputs

Input	Description	Mappable To Type	Mandatory
EPG Name	Select an EPG name.	ApicDeviceTenant EPGIdentity	Y
Contract Name	Select a contract name.	ApicDeviceTenantContract Identity	Y
Node	Select a node.	ApicTenantL4L7Service GraphNodeIdentity	Y
Interface Name	Enter an interface name.	gen_text_input	
Network IP Address	Enter a network IP Address in the format i.i.i.i. For example: 2.2.2.2.	gen_text_input	
Network Mask	Enter a network mask in the range 1 to 30.	gen_text_input	
Gateway Address	Enter a gateway address in the format i.i.i.i. For example: 2.2.2.2.	gen_text_input	
Shared?	Check Shared either true or false. The default value is false.	gen_text_input	

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
SERVICE_GRAPH	Service Graph	gen_text_input
TENANT_L4L7_SERVICE_GRAPH_NODE_IDENTITY	APIC Tenant Service Graph Node Identity	ApicTenantL4L7Service GraphNodeIdentity
OUTPUT_TENANT_L4L7_EPG_INTERFACE_IDENTITY	APIC Tenant Service Graph EPG Interface Identity	ApicTenant L4L7EPGInterfaceIdentity
OUTPUT_TENANT_L4L7_EPG_STATIC_ROUTE_IDENTITY	APIC Tenant Service Graph EPG Static Route Identity	ApicTenantL4L7EPGStatic RouteIdentity

# Associate Access List To Interface in APIC

## Summary

Associate an access list to an interface via APIC in UCSD.

## Description

This task associates an access List to an interface on the APIC Controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
Interface Name	Select an interface name.	ApicTenant L4L7EPGInterfaceIdentity	Y
InBound ACL	Enter an Inbound ACL. Use only alphanumeric characters. For example: inacl12.	gen_text_input	
OutBound ACL	Enter an Outbound ACL. Use only alphanumeric characters. For example: outacl12.	gen_text_input	

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
SERVICE_GRAPH	Service Graph	gen_text_input
TENANT_L4L7_SERVICE_GRAPH_NODE_IDENTITY	APIC Tenant Service Graph Node Identity	ApicTenantL4L7ServiceGraphNodeIdentity
OUTPUT_TENANT_L4L7_EPG_INTERFACE_IDENTITY	APIC Tenant Service Graph EPG Interface Identity	ApicTenant L4L7EPGInterfaceIdentity

# Create APIC EPG

## Summary

Create an EPG.

## Description

This task creates an endpoint group (EPG) for a tenant on the APIC controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
Application Profile Name	Select an application profile.	ApicDeviceTenantApplnProfileIdentity	Y
EPG Name	Enter an EPG name.	gen_text_input	Y
EPG Description	Enter a description. The description can be up to 128 alphanumeric characters.	gen_text_input	
Alias	Enter an alias, a changeable name for an object. Unlike the name of an object, the alias can be changed.	gen_text_input	
Tags	Select tags to be assigned for the fabric module.	ApicDeviceTagIdentity	
QOS Class	Choose level1, level2, level3, unspecified, custom as QoS class. The default value is level1.	gen_text_input	
Custom QOS	Select a custom QoS, formatted as: accountName@tenantName@custom QoSName. For example: apic170@common@default.	gen_text_input	
Bridge Domain	Select a bridged domain.	ApicDeviceTenantBridgeDomainIdentity	
Monitoring Policy	Select a monitoring policy.	ApicDeviceTenantMonitoringPolicyIdentity	
Contract Exception Tag	Enter the contract exception tag.	gen_text_input	
Data-Plane Policier	Select a data-plane policing policy.	APIC Data Plane Policing Policy Identity	
Intra-EPG Isolation	Choose enforced/unenforced, select enforced to enable forwarding control.	APIC Enforced or Unenforced Type	
Forwarding Control	Choose true or false to enable/disable Proxy-arp. The default value is unspecified.	APICCheckBoxTrueorFalseType	
Preferred Group Member	Choose include or exclude as preferred group member. The default value is blank.	APIC Exclude or Include Type	

Input	Description	Mappable To Type	Mandatory
Flood on Encapsulation	Choose enable or disable as flood on encapsulation. The default value is blank.	APIC Enable or Disable Type	
FHS Trust Control Policy	Choose a FHS trust control policy.	APIC FHS Trust Control Policy Identity	

### Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
TENANT_APPLN_PROFILE	Tenant's Application Profile	gen_text_input
TENANT_APPLN_PROFILE_IDENTITY	APIC Tenant Application Profile Identity	ApicDeviceTenantApplnProfileIdentity
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
DEVICE_TENANT_TAG_IDENTITY	Apic Tag Identity	ApicDeviceTagIdentity
DEVICE_TENANT_MONITORING_POLICY	Apic Monitoring Policy	gen_text_input
DEVICE_TENANT_MONITORING_POLICY_IDENTITY	Apic Monitoring Policy Identity	ApicDeviceTenantMonitoringPolicyIdentity
OUTPUT_TENANT_DATA_PLANE_POLICING_POLICY	APIC Tenant's Data Plane policing Policy Identity	APIC Data Plane Policing Policy Identity
OUTPUT_TENANT_FHS_TRUST_CONTROL_POLICY	APIC Tenant's FHS Trust Control Policy Identity	APIC FHS Trust Control Policy Identity

# Create Consumed Contract Interface To APIC EPG

## Summary

Create a consumed contract interface to an EPG.

## Description

This task creates a consumed contract interface to an endpoint group (EPG) on the APIC controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
EPG Name	Select an EPG name.	ApicDeviceTenantEPGIdentity	Y
Contract	Select a contract name.	ApicDeviceTenantContract Identity	Y
Priority	Choose Priority. Specify any one of: level1, level2, level3, unspecified. The default value is 'level1'.	gen_text_input	Y

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
TENANT_CONTRACT	APIC Tenant Contract	gen_text_input
TENANT_CONSUMED_CONTRACT_INTERFACE_IDENTITY	APIC Tenant Consumed Contract Interface Identity	ApicDeviceTenantEpg ConsumedContractInterface Identity

# Create Subnet To APIC EPG

## Summary

Create a subnet to an EPG.

## Description

This task creates a subnet to an endpoint group (EPG) on the APIC controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
EPG	Select an EPG name.	ApicDeviceTenant EPGIdentity	Y
IPV6	Check to enable IPV6 configurations. Defaults to unchecked.	Boolean	
Gateway IPV4 (Address)	Provide gateway IPV4 address in the format i.i.i.i.	ipaddress	Y
Gateway IPV4 (Prefix)	Enter the prefix for IPV4.	gen_text_input	Y
Gateway IPV6 (Address)	Provide gateway IPV6 address in the format i:i:i:i.	ipaddress	
Gateway IPv6 (Prefix)	Enter the prefix for IPV6.	gen_text_input	
Shared Subnet	Check to enable subnet control for shared subnet. Defaults to unchecked.	Boolean	
Public Subnet	Check to enable subnet control for public subnet. Defaults to unchecked.	Boolean	
Private Subnet	Check to enable subnet control for private subnet. Defaults to checked.	Boolean	
Description	Enter a short description.	gen_text_input	
L3 Out for Route Profile	Select L3 out for route profile.	ApicDeviceTenant L3OutIdentity	
Route Profile	Select a route profile.	ApicDeviceTenant RoutedProfileToExt RoutedNetworkIdentity	
Treat as Virtual IP Address	Check to treat the IP as a virtual ip address. Defaults to unchecked.	Boolean	
ND RA Prefix	Check to enable ND RA prefix subnet control for the selected EPG. Defaults to unchecked.	Boolean	
No Default SVI Gateway	Check to disable default SVI gateway subnet control for the selected EPG. Defaults to unchecked.	Boolean	



Input	Description	Mappable To Type	Mandatory
Querier IP	Check to enable querier IP subnet control for the selected EPG. Defaults to unchecked.	Boolean	
ND RA Prefix Policy	Choose a ND RA prefix policy to associate with the subnet.	APIC ND RA Prefix Policy Identity	
Type Behind Subnet	Choose EP reachability/anycast MAC for subnet type. The default value is none.	APIC Type Behind Subnet Identity	

### Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
TENANT_APPLN_PROFILE	Tenant's Application Profile	gen_text_input
TENANT_APPLN_PROFILE_IDENTITY	APIC Tenant Application Profile Identity	ApicDeviceTenantApplnProfileIdentity
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
TENANT_EXTERNAL_ROUTED_NETWORK_NAME	External Routed Network Name	gen_text_input
TENANT_EXTERNAL_ROUTED_NETWORK_IDENTITY	External Routed Network Identity	ApicDeviceTenantL3OutIdentity
TENANT_SUBNET_NAME	Subnet Name	gen_text_input
TENANT_EPG_SUBNET_IDENTITY	Subnet Identity	ApicTenantSubnetToEpgIdentity
TENANT_ROUTED_PROFILE_IDENTITY	Routed Profile Name Identity	ApicDeviceTenantRoutedProfileToExtRoutedNetworkIdentity
OUTPUT_TENANT_NDRA_PREFIX_POLICY_IDENTITY	APIC Tenant's ND RA Prefix Identity	APIC ND RA Prefix Policy Identity

# Delete ACE From ACL On APIC EPG

## Summary

Delete an ACE From an ACL on an EPG.

## Description

This task deletes an access control entry (ACE) from an access control list (ACL) on an endpoint group (EPG) on the APIC Controller. It requires a function node as input.

## Inputs

Input	Description	Mappable To Type	Mandatory
ACE Name	Select an ACE name.	ApicTenantL4L7EPGAceIdentity	Y

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
SERVICE_GRAPH	Service Graph	gen_text_input
TENANT_L4L7_SERVICE_GRAPH_NODE_IDENTITY	APIC Tenant Service Graph Node Identity	ApicTenantL4L7ServiceGraphNodeIdentity
OUTPUT_TENANT_L4L7_EPG_ACE_IDENTITY	APIC Tenant Service Graph EPG ACE Identity	ApicTenantL4L7EPGAceIdentity

# Delete ACL From APIC EPG

## Summary

Delete an ACL from an EPG via APIC.

## Description

This task deletes an access control list (ACL) From an endpoint group (EPG) on the APIC Controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
ACL Name	Select an ACL List name.	ApicTenantL4L7AclEPGIdentity	Y

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
SERVICE_GRAPH	Service Graph	gen_text_input
TENANT_L4L7_SERVICE_GRAPH_NODE_IDENTITY	APIC Tenant Service Graph Node Identity	ApicTenantL4L7ServiceGraphNodeIdentity
OUTPUT_TENANT_L4L7_ACL_EPG_IDENTITY	APIC Tenant Service Graph ACL EPG Identity	ApicTenantL4L7AclEPGIdentity

# Delete APIC EPG

## Summary

Delete an EPG.

## Description

This task deletes an endpoint group (EPG) from a tenant on the APIC controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
EPG Name	Select an EPG name.	ApicDeviceTenant EPGIdentity	Y
Do you want to delete the selected EPG?			Y

## Outputs

Output	Description	Type
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
TENANT_APPLN_PROFILE	Tenant's Application Profile	gen_text_input
TENANT_APPLN_PROFILE_IDENTITY	APIC Tenant Application Profile Identity	ApicDeviceTenantApplnProfileIdentity

# Delete Bridge Group Interface From APIC EPG

## Summary

Delete a bridge group interface from an EPG.

## Description

This task deletes a bridge group interface from an endpoint group (EPG)

## Inputs

Input	Description	Mappable To Type	Mandatory
Bridge Group ID	Select Bridge Group ID.	ApicTenantDeleteBridgeGroupInterfaceIdentity	Y

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
SERVICE_GRAPH	Service Graph	gen_text_input
TENANT_SERVICE_GRAPH_IDENTITY	APIC Tenant Bidirectional Service Graph Identity	ApicDeviceTenantServiceGraphIdentity
TENANT_L4L7_SERVICE_GRAPH_NODE_IDENTITY	APIC Tenant Service Graph Node Identity	ApicTenantL4L7ServiceGraphNodeIdentity
TENANT_BRIDGE_GROUP_INTERFACE_IDENTITY	APIC Tenant Bridge Group Interface Identity	ApicTenantBridgeGroupInterfaceIdentity
TENANT_BRIDGE_GROUP_EPG_INTERFACE_IDENTITY	APIC Tenant Bridge Group EPG Interface Identity	ApicTenantDeleteBridgeGroupInterfaceIdentity

# Delete Consumed Contract Interface From APIC EPG

## Summary

Delete a consumed contract interface from an EPG.

## Description

This task deletes a consumed contract interface from an endpoint group (EPG) on the APIC controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
Consumed Contract Interface	Select a Consumed Contract Interface.	ApicDeviceTenantEpg ConsumedContractInterface Identity	Y
Do you want to delete the selected Contract From EPG?			Y

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
TENANT_CONTRACT	APIC Tenant Contract	gen_text_input
TENANT_CONSUMED_CONTRACT_INTERFACE_IDENTITY	APIC Tenant Consumed Contract Interface Identity	ApicDeviceTenantEpg ConsumedContractInterface Identity

# Delete Contract From APIC EPG

## Summary

Delete a contract from an EPG.

## Description

This task deletes a contract from an endpoint group (EPG) for a tenant on the APIC controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
Contract	Select a contract name to be removed.	ApicDeviceTenantEpg ContractIdentity	
Do you want to delete the selected Contract From EPG?			Y

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
TENANT_APPLN_PROFILE	Tenant's Application Profile	gen_text_input
TENANT_APPLN_PROFILE_IDENTITY	APIC Tenant Application Profile Identity	ApicDeviceTenantApplnProfileIdentity
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
CONTRACT_TYPE	Contract Type	gen_text_input
CONTRACT_NAME	Contract Name	gen_text_input
TENANT_EPG_CONTRACT_IDENTITY	APIC Tenant EPG Contract Identity	ApicDeviceTenantLabel ContractSubjectIdentity

# Delete Domain From APIC EPG

## Summary

Delete a domain from an EPG.

## Description

This task deletes a domain from an endpoint group (EPG) for a tenant on the APIC controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
Domain Profile	Select a domain profile to delete.	ApicDeviceTenantDomainProfileToEPGIdentity	Y
Do you want to delete the selected Domain from EPG?			Y

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
TENANT_APPLN_PROFILE	Tenant's Application Profile	gen_text_input
TENANT_APPLN_PROFILE_IDENTITY	APIC Tenant Application Profile Identity	ApicDeviceTenantApplnProfileIdentity
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
DOMAIN_PROFILE	DomainProfile	gen_text_input
DOMAIN_PROFILE_IDENTITY	Domain Profile Identity	ApicDeviceTenantDomainToEPGIdentity



# Delete Function Config Parameters From APIC EPG

## Summary

Delete function config parameters from an EPG.

## Description

This task deletes function configuration parameters from an endpoint group (EPG) on the APIC controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
External Interface	Select an External Interface.	ApicTenantEPGExternalInterfaceIdentity	Y
Internal Interface	Select an Internal Interface.	ApicTenantEPGInternalInterfaceIdentity	Y
Do you want to delete the selected Network Object from EPG?			Y

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
SERVICE_GRAPH	Service Graph	gen_text_input
TENANT_SERVICE_GRAPH_IDENTITY	APIC Tenant Bidirectional Service Graph Identity	ApicDeviceTenantServiceGraphIdentity
TENANT_CONTRACT	APIC Tenant Contract	gen_text_input
TENANT_CONTRACT_IDENTITY	APIC Tenant Contract Identity	ApicDeviceTenantContractIdentity
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
TENANT_L4L7_SERVICE_GRAPH_NODE_IDENTITY	APIC Tenant Service Graph Node Identity	ApicTenantL4L7ServiceGraphNodeIdentity
TENANT_FUNCTION_CONFIG_PARAMETER_IDENTITY	APIC Tenant Function Config Parameter Identity	gen_text_input

# Delete Interface From APIC EPG

## Summary

Delete an interface from an EPG.

## Description

This task deletes an interface from an endpoint group (EPG) on the APIC controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
Interface Name	Select an interface name.	ApicTenantL4L7Interface EPGIdentity	Y

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
SERVICE_GRAPH	Service Graph	gen_text_input
TENANT_L4L7_SERVICE_GRAPH_NODE_IDENTITY	APIC Tenant Service Graph Node Identity	ApicTenantL4L7ServiceGraphNodeIdentity
OUTPUT_TENANT_L4L7_EPG_INTERFACE_IDENTITY	APIC Tenant Service Graph EPG Interface Identity	ApicTenantL4L7EPGInterfaceIdentity
OUTPUT_TENANT_L4L7_INTERFACE_EPG_IDENTITY	APIC Tenant Service Graph Interface EPG Identity	ApicTenantL4L7InterfaceEPGIdentity

# Delete LB SSL Offload Parameters From APIC EPG

## Summary

Delete LB SSL offload parameters from an EPG via APIC.

## Description

This task deletes load balancer (LB) SSL offload parameters from an endpoint group (EPG) on the APIC controller. It requires an EPG name, service graph name, node, and LB server as inputs .

## Inputs

Input	Description	Mappable To Type	Mandatory
EPG Name	Select an EPG name.	ApicDeviceTenantEPGIdentity	Y
Contract Name	Select a contract name.	ApicDeviceTenantContractIdentity	Y
Node	Select a node.	ApicTenantL4L7ServiceGraphNodeIdentity	Y
LB IPV4 IP	Select a LB IPv4 address.	ApicDeviceTenantEPGL4L7IPV46ParamIdentity	Y

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
SERVICE_GRAPH	Service Graph	gen_text_input
TENANT_L4L7_SERVICE_GRAPH_NODE_IDENTITY	APIC Tenant Service Graph Node Identity	ApicTenantL4L7ServiceGraphNodeIdentity
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
TENANT_CONTRACT	APIC Tenant Contract	gen_text_input
TENANT_CONTRACT_IDENTITY	APIC Tenant Contract Identity	ApicDeviceTenantContractIdentity

# Delete Load Balancer Parameters To APIC EPG

## Summary

Delete load balancer parameters from an EPG via APIC.

## Description

This task deletes load balancer parameters from an endpoint group (EPG) on the APIC Controller. It deletes all configuration related to load balancing on the EPG.

## Inputs

Input	Description	Mappable To Type	Mandatory
EPG Name	Select an EPG name.	ApicDeviceTenantEPGIdentity	Y
Contract Name	Select a contract name.	ApicDeviceTenantContractIdentity	Y
Node	Select a node.	ApicTenantL4L7ServiceGraph NodeIdentity	Y
Shared?	Check Shared either true or false. The default value is false.	gen_text_input	

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
SERVICE_GRAPH	Service Graph	gen_text_input
TENANT_CONTRACT	APIC Tenant Contract	gen_text_input
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_L4L7_SERVICE_GRAPH_NODE_IDENTITY	APIC Tenant Service Graph Node Identity	ApicTenantL4L7Service GraphNodeIdentity

# Delete Static Node From APIC EPG

## Summary

Delete a static node from an EPG.

## Description

This task deletes a static node from an endpoint group (EPG) for a tenant on the APIC controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
Node	Select a node name to be removed.	ApicDeviceTenantStaticNodeToEPGIdentity	Y
Do you want to delete the selected Static Node From EPG?			Y

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
TENANT_APPLN_PROFILE	Tenant's Application Profile	gen_text_input
TENANT_APPLN_PROFILE_IDENTITY	APIC Tenant Application Profile Identity	ApicDeviceTenantApplnProfileIdentity
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
TENANT_EPG_STATIC_NODE	Static Node	gen_text_input
TENANT_EPG_STATIC_NODE_IDENTITY	Static Node Identity	ApicDeviceTenantStaticNodeToEPGIdentity

# Delete Static Path From APIC EPG

## Summary

Delete a static path from an EPG.

## Description

This task deletes a static path from an endpoint group (EPG) for a tenant on the APIC controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
Path	Select a Static Path to be removed.	ApicDeviceTenantStaticPath ToEPGIdentity	Y
Do you want to delete the selected Static Path From EPG?			Y

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
TENANT_APPLN_PROFILE	Tenant's Application Profile	gen_text_input
TENANT_APPLN_PROFILE_IDENTITY	APIC Tenant Application Profile Identity	ApicDeviceTenantAppln ProfileIdentity
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
TENANT_EPG_STATIC_PATH	Static Path	gen_text_input
TENANT_EPG_STATIC_PATH_IDENTITY	Static Path Identity	ApicDeviceTenantStaticPath ToEPGIdentity

# Delete Static Route From Interface On APIC EPG

## Summary

Delete static route information from an interface on an EPG.

## Description

This task deletes static route information from an interface on an endpoint group (EPG) on the APIC Controller. It requires an endpoint group (EPG), service graph name, and contract as inputs.

## Inputs

Input	Description	Mappable To Type	Mandatory
Static Route Name	Select a Static Route name.	ApicTenantL4L7EPGStaticRoute Identity	Y

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
SERVICE_GRAPH	Service Graph	gen_text_input
TENANT_L4L7_SERVICE_GRAPH_NODE_IDENTITY	APIC Tenant Service Graph Node Identity	ApicTenantL4L7ServiceGraphNodeIdentity
OUTPUT_TENANT_L4L7_EPG_INTERFACE_IDENTITY	APIC Tenant Service Graph EPG Interface Identity	ApicTenantL4L7EPGInterfaceIdentity
OUTPUT_TENANT_L4L7_EPG_STATIC_ROUTE_IDENTITY	APIC Tenant Service Graph EPG Static Route Identity	ApicTenantL4L7EPGStaticRouteIdentity

# Delete Subnet from APIC EPG

## Summary

Delete a subnet from an EPG.

## Description

This task deletes a subnet from an endpoint group (EPG) on the APIC controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
Subnet	Select a subnet.	ApicTenantSubnetToEpgIdentity	Y

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
TENANT_APPLN_PROFILE	Tenant's Application Profile	gen_text_input
TENANT_APPLN_PROFILE_IDENTITY	APIC Tenant Application Profile Identity	ApicDeviceTenantApplnProfileIdentity
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
TENANT_SUBNET_NAME	Subnet Name	gen_text_input
TENANT_EPG_SUBNET_IDENTITY	Subnet Identity	ApicTenantSubnetToEpgIdentity



# Disassociate Access List From Interface in APIC

## Summary

Remove an association between an access list and an interface via APIC.

## Description

This task dissociates an Access List from an interface on the APIC controller. It requires an interface as input.

## Inputs

Input	Description	Mappable To Type	Mandatory
Interface Name	Select an interface name.	ApicTenant L4L7EPGInterfaceIdentity	Y
InBound ACL	Enter an Inbound ACL. Use only alphanumeric characters. For example: Inacl12.	gen_text_input	
OutBound ACL	Enter an Outbound ACL. Use only alphanumeric characters. For example: outacl12.	gen_text_input	

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
SERVICE_GRAPH	Service Graph	gen_text_input
TENANT_L4L7_SERVICE_GRAPH_NODE_IDENTITY	APIC Tenant Service Graph Node Identity	ApicTenantL4L7ServiceGraphNodeIdentity
OUTPUT_TENANT_L4L7_EPG_INTERFACE_IDENTITY	APIC Tenant Service Graph EPG Interface Identity	ApicTenant L4L7EPGInterfaceIdentity

# Modify Consumed Contract Interface To APIC EPG

## Summary

Modify a consumed contract interface to an EPG.

## Description

This task modifies a consumed contract interface to an endpoint group (EPG) on the APIC controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
Consumed Contract Interface	Select a Consumed Contract Interface.	ApicDeviceTenantEpg ConsumedContractInterface Identity	Y
Priority	Choose Priority. Specify any one of: level1, level2, level3, unspecified. The default value is 'level1'.	gen_text_input	Y

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
TENANT_CONTRACT	APIC Tenant Contract	gen_text_input
TENANT_CONSUMED_CONTRACT_INTERFACE_IDENTITY	APIC Tenant Consumed Contract Interface Identity	ApicDeviceTenantEpg ConsumedContractInterface Identity

# Remove APIC EPG Contract Master

## Summary

Remove APIC EPG Contract Master.

## Description

This task removes a contract master from an EPG.

## Inputs

Input	Description	Mappable To Type	Mandatory
EPG Contract Master Name	Select an EPG contract master name to be deleted.	APIC_DEVICE_TENANT_EPG_CONTRACT_MASTER_IDENTITY	Y

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
TENANT_APPLN_PROFILE	Tenant's Application Profile	gen_text_input
TENANT_APPLN_PROFILE_IDENTITY	APIC Tenant Application Profile Identity	ApicDeviceTenantApplnProfileIdentity
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
OUTPUT_EPG_CONTRACT_MASTER	APIC Tenant EPG Contract Master Identity	APIC_DEVICE_TENANT_EPG_CONTRACT_MASTER_IDENTITY

# Remove IGMP Snoop Static Group from APIC Static Path

## Summary

Remove IGMP Snoop Static Group from APIC Static Path.

## Description

This task will allow user to remove an IGMP Snoop static group from the current Static Path available in APIC EPG.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select IGMP Snoop Static group	Select an IGMP snoop static group to be deleted.	APIC IGMP Snoop Static Group Identity	Y
Do you want to remove the selected IGMP Snoop static group from static path?	Do you want to remove the selected IGMP snoop static group from static path?		Y

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
TENANT_APPLN_PROFILE	Tenant's Application Profile	gen_text_input
TENANT_APPLN_PROFILE_IDENTITY	APIC Tenant Application Profile Identity	ApicDeviceTenantApplnProfileIdentity
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
TENANT_EPG_STATIC_PATH	Static Path	gen_text_input
TENANT_EPG_STATIC_PATH_IDENTITY	Static Path Identity	ApicDeviceTenantStaticPathToEPGIdentity
OUTPUT_APIC_IGMP_SNOOP_STATIC_GROUP_IDENTITY	APIC Tenant's FHS Trust Control Policy Identity	APIC IGMP Snoop Static Group Identity

# Remove Load Balancer Service Parameters From APIC EPG

## Summary

Remove load balancer service parameters from an EPG.

## Description

This task removes load balancer service parameters from an endpoint group (EPG) on the APIC controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
EPG Name	Select an EPG name.	ApicDeviceTenantEPGIdentity	Y
Node	Select a node.	ApicTenantL4L7ServiceGraphNodeIdentity	Y
LB IPV4 IP	Select a LB IPv4 address.	ApicDeviceTenantEPGL4L7IPv46ParamIdentity	Y
Services	Select one or more service IP addresses.	ApicDeviceTenantLoadBalancerServerIdentity	
Is Ad-hoc specification required?	Check Is Ad-hoc specifications required either true or false. The default value is true.	gen_text_input	
Shared?	Check Shared either true or false. The default value is false.	gen_text_input	

## Outputs

Output	Description	Type
APIC_ACCOUNT	APIC Account on which the selected operation was performed	ApicDeviceIdentity
TENANT_NAME	Tenant Name on which the selected operation was performed	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
SERVICE_GRAPH	Service Graph	gen_text_input
TENANT_L4L7_SERVICE_GRAPH_NODE_IDENTITY	APIC Tenant Service Graph Node Identity	ApicTenantL4L7ServiceGraphNodeIdentity
TENANT_EPG	APIC Tenant EPG	gen_text_input
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity
TENANT_LOAD_BALANCER_SERVER_IP	APIC Tenant Load Balancer Server IP	gen_text_input

