



# APIC - Container Task Operations

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# APIC Wrapper

## Summary

Create an APIC wrapper.

## Description

This task creates a APIC wrapper.

## Inputs

Input	Description	Mappable To Type	Mandatory
Tenant Name	Enter Tenant Name	gen_text_input	Y
Application Profile Name	Enter Application Profile Name	gen_text_input	Y
Resource Lookup Result Map ID	Enter Resource Lookup Result Map	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
WEB_EPG	Web EPG Name	gen_text_input
APP_EPG	App EPG Name	gen_text_input
DB_EPG	DB EPG Name	gen_text_input
WEB_APP_CTRL_PRTCL	WebToApp Contract Protocol	gen_text_input
WEB_APP_CTRL_PORT	WebToApp Contract Port	gen_text_input
APP_DB_CTRL_PRTCL	AppToDB Contract Protocol	gen_text_input
APP_DB_CTRL_PORT	AppToDB Contract Port	gen_text_input

# Add APIC Private Network Profile

## Summary

Adds a private network profile.

## Description

This task adds a private network profile with subnets and supernets.

## Inputs

Input	Description	Mappable To Type	Mandatory
Private Network(s)	Enter Private Network input details.	privateNetworkProfileInputType	

## Outputs

Output	Description	Type
OUTPUT_SUBNETS	Subnets	gen_text_input
OUTPUT_SUPERNETS	Supernets	gen_text_input
OUTPUT_PRIVATE_NETWORK_NAMES	Private Network Names	gen_text_input
OUTPUT_APIC_PRIVATE_NETWORK_PROFILE	APIC Private Network Profile	gen_text_input

# Assign APIC Tenant to Group

## Summary

Assign an APIC tenant to a group.

## Description

This task assigns an APIC tenant to a group on the APIC controller.

## Inputs

Input	Description	Mappable To Type	Mandatory
Tenant Name	Select an APIC tenant to assign to a group.	ApicDeviceTenant Identity	Y
Assign To Users	Check or Uncheck this option to allow the resource to Assign or Unassign to users.		
User Group ID	Select a UCSD group to assign to the Tenant.	gen_text_input	Y
Comments	Enter comments	gen_text_input	

## Outputs

Output	Description	Type
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity

# Delete APIC Contract Result

## Summary

Delete a contract result stored in the UCSD database.

## Description

This task deletes an APIC contract result from the UCS Director database. It takes a container and contract rule information as input.

## Inputs

Input	Description	Mappable To Type	Mandatory
Container	Select a container instance	ServiceContainer	Y
User Rule Name	Enter a user rule name.	gen_text_input	Y

## Outputs

No Outputs

# Get APIC Contract Entities

## Summary

Retrieves information about a contract between networks in UCSD.

## Description

This task retrieves information about contracts between networks (for example, source and destination) in UCS Director. It accepts a tenant name and container info as input.

## Inputs

Input	Description	Mappable To Type	Mandatory
Tenant Name	Select a tenant name.	ApicDeviceTenantIdentity	Y
Container	Select container instance	ServiceContainer	Y
Source network	Select a source network.	containerTiers	Y
Destination Network	Select a destination network.	containerTiers	Y
Is bidirectional	Check Is Bidirectional either true or false. The default value is false.	Boolean	Y
Rule Name	Enter a rule name.	gen_text_input	Y
Create Rule	Check Create Rule either true or false. The default value is true.	Boolean	Y

## Outputs

Output	Description	Type
CONTRACT_NAME	Contract Name	gen_text_input
TENANT_CONTRACT_IDENTITY	APIC Tenant Contract Identity	ApicDeviceTenantContractIdentity
PROVIDER_EPG_IDENTITY	Provider EPG Identity	ApicDeviceTenantEPGIdentity
CONSUMER_EPG_IDENTITY	Consumer EPG Identity	ApicDeviceTenantEPGIdentity
CONTRACT_SUBJECT	Contract Subject	gen_text_input
TENANT_CONTRACT_SUBJECT_IDENTITY	Contract Subject Identity	ApicTenantContractSubjectIdentity
APPLY_BOTH_DIRECTION	Apply Both Directions	gen_text_input
TENANT_FILTER	Tenant's Filter	gen_text_input
TENANT_FILTER_IDENTITY	Tenant Filter Identity	ApicDeviceTenantFilterIdentity
TENANT_FILTER_RULE	Tenant's Filter Rule	gen_text_input
CREATE_TENANT_FILTER_RULE	Create Tenant's Filter Rule	Boolean
IS_L3_CONTRACT	Is L3 contract	Boolean
IS_SHARED_L3_CONTRACT	Is Shared L3 contract	Boolean
INTERNAL_EPG_IDENTITY	Internal EPG Identity	ApicDeviceTenantEPGIdentity

<b>Output</b>	<b>Description</b>	<b>Type</b>
INTERNAL_EPG_TYPE	Internal EPG Type	gen_text_input
TENANT_EXTERNAL_NETWORK_IDENTITY	External Network Identity	ApicDeviceExternalNetworkIn OutsideNetworkIdentity
EXTERNAL_NETWORK_TYPE	External Network Type	gen_text_input

# Get APIC Contracts

## Summary

Get details about an APIC contract between networks in UCSD.

## Description

This task gets information about an APIC contract between networks. It accepts a source and destination network and applied rules as an input.

## Inputs

Input	Description	Mappable To Type	Mandatory
Source Network	Select a source network.	containerTiers	
Destination Network	Select a destination network.	containerTiers	
Security Rule	Select a security rule.	SecurityRuleIdentity	Y

## Outputs

Output	Description	Type
TENANT_FILTER_RULE_IDENTITY	Tenant's Filter Rule Identity	ApicDeviceTenantFilterRuleIdentity
TENANT_CONTRACT_IDENTITY	APIC Tenant Contract Identity	ApicDeviceTenantContractIdentity
TENANT_CONTRACT_SUBJECT_IDENTITY	Contract Subject Identity	ApicTenantContractSubjectIdentity
TENANT_FILTER_IDENTITY	Tenant Filter Identity	ApicDeviceTenantFilterIdentity
IS_CONTRACT_EMPTY	Is Contract Empty	gen_text_input
IS_SUBJECT_EMPTY	Is Subject Empty	gen_text_input
CONTAINER_SRC_TIER_IDENTITY	Source Tier Identity	containerTiers
CONTAINER_DEST_TIER_IDENTITY	Destination Tier Identity	containerTiers
SRC_APIC_DEVICE_TENANT_EPG_CONTRACT_IDENTITY	APIC Device Tenant EPG Contract Identity	ApicDeviceTenantEpgContractIdentity
DEST_APIC_DEVICE_TENANT_EPG_CONTRACT_IDENTITY	APIC Device Tenant EPG Contract Identity	ApicDeviceTenantEpgContractIdentity



# Get APIC Security Rules

## Summary

Retrieve APIC security rules.

## Description

This task to fetches the rules for a container contract.

## Inputs

Input	Description	Mappable To Type	Mandatory
Source Network	Select a source network.	containerTiers	
Destination Network	Select a destination network.	containerTiers	

## Outputs

Output	Description	Type
TENANT_EPG_CONTRACT_IDENTITY	APIC Tenant EPG Contract Identity	ApicDeviceTenantEpgContractIdentity
TENANT_CONTRACT_IDENTITY	APIC Tenant Contract Identity	ApicDeviceTenantContractIdentity
IS_SHARED_L3_CONTRACT	Is Shared L3 contract	Boolean
CONTAINER_CONTRACT_RULES	Contract Rules	gen_text_input
NO_OF_CONTAINER_CONTRACT_RULES	Number of Contract Rules	gen_text_input
SRC_APIC_DEVICE_TENANT_EPG_CONTRACT_IDENTITY	APIC Device Tenant EPG Contract Identity	ApicDeviceTenantEpgContractIdentity
DEST_APIC_DEVICE_TENANT_EPG_CONTRACT_IDENTITY	APIC Device Tenant EPG Contract Identity	ApicDeviceTenantEpgContractIdentity

# Invoke APIC Rollback WorkFlow

**Summary**

Rolls back an executed APIC workflow in UCSD.

**Description**

This task rolls back an APIC workflow in UCS Director.

**Inputs**

Input	Description	Mappable To Type	Mandatory
No Inputs			

**Outputs**

No Outputs
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# Invoke APIC Workflow

## Summary

Execute any APIC task by invoking it in UCSD.

## Description

This task provides information about an APIC workflow name and executes the workflow in UCS Director.

## Inputs

Input	Description	Mappable To Type	Mandatory
Workflow Name	Enter a workflow name.	gen_text_input	Y
Field 1	Enter Field 1	gen_text_input	
Field 2	Enter Field 2	gen_text_input	
Field 3	Enter Field 3	gen_text_input	
Field 4	Enter Field 4	gen_text_input	
Field 5	Enter Field 5	gen_text_input	
Field 6	Enter Field 6	gen_text_input	
Field 7	Enter Field 7	gen_text_input	
Field 8	Enter Field 8	gen_text_input	
Field 9	Enter Field 9	gen_text_input	
Field 10	Enter Field 10	gen_text_input	
Field 11	Enter Field 11	gen_text_input	
Field 12	Enter Field 12	gen_text_input	
Field 13	Enter Field 13	gen_text_input	
Field 14	Enter Field 14	gen_text_input	
Field 15	Enter Field 15	gen_text_input	
Field 16	Enter Field 16	gen_text_input	
Field 17	Enter Field 17	gen_text_input	
Field 18	Enter Field 18	gen_text_input	
Field 19	Enter Field 19	gen_text_input	
Field 20	Enter Field 20	gen_text_input	
Field 21	Enter Field 21	gen_text_input	
Field 22	Enter Field 22	gen_text_input	
Field 23	Enter Field 23	gen_text_input	
Field 24	Enter Field 24	gen_text_input	
Field 25	Enter Field 25	gen_text_input	

<b>Input</b>	<b>Description</b>	<b>Mappable To Type</b>	<b>Mandatory</b>
Field 26	Enter Field 26	gen_text_input	
Field 27	Enter Field 27	gen_text_input	
Field 28	Enter Field 28	gen_text_input	
Field 29	Enter Field 29	gen_text_input	

**Outputs**

No Outputs

# Persist APIC Container Network Result

## Summary

Persist an APIC container network result.

## Description

This task persists an APIC container network result, for example an application profile, private network, bridge domain, EPG, VM network, or L3 out.

## Inputs

Input	Description	Mappable To Type	Mandatory
Container	Select Tenant Network container instance.	ServiceContainer	Y
Tier	Enter Tenant Network Tier.	gen_text_input	
APIC Application Profile Identity	Select Tenant Application profile.	ApicDeviceTenantApplnProfileIdentity	
APIC Private Network Identity	Select Tenant Private Network.	ApicDeviceTenantPrivateNetworkIdentity	
APIC Bridge Domain Identity	Select Tenant Bridge Domain.	ApicDeviceTenantBridgeDomainIdentity	
APIC EPG Identity	Select Tenant EPG.	ApicDeviceTenantEPGIdentity	
VCenter DV Port Group	Select VCenter DV Port Group.	VMwareDVPortgroupIdentity	
HyperV Port Group	Select HyperV Port Group.	hypervVMNetworkIdentity	
HyperV IP Pool	Enter HyperV IP Pool.	hypervIpPoolIdentity	
HyperV EPG VLAN	Enter HyperV EPG VLAN.	vlanID	
L3 Out BD	Select L3 Out Bridge Domain.	ApicDeviceTenantBridgeDomainIdentity	
L3 Out EPG	Select L3 Out EPG.	ApicDeviceTenantEPGIdentity	
L3 Out Contract	Select L3 Out Contract.	ApicDeviceTenantContractIdentity	
L3 Out Subject	Select L3 Out Subject.	ApicTenantContractSubjectIdentity	

## Outputs

Output	Description	Type
TENANT_PRIVATE_NETWORK	Private Network on which the selected operation was performed	gen_text_input
TENANT_BRIDGE_DOMAIN_IDENTITY	Bridge Domain Identity	ApicDeviceTenantBridgeDomainIdentity
TENANT_EPG_IDENTITY	APIC Tenant EPG Identity	ApicDeviceTenantEPGIdentity

Output	Description	Type
TIER_NAME	Tier Name	gen_text_input

# Persist APIC Contract Result

## Summary

Persist an APIC contract result in database in UCSD.

## Description

This task writes an APIC contract result into the UCS Director database.

## Inputs

Input	Description	Mappable To Type	Mandatory
Tenant Name	Select a tenant name.	ApicDeviceTenantIdentity	
Container	Select a container instance.	ServiceContainer	
Contract Name	Select a contract name for which subject to be added.	ApicDeviceTenantContractIdentity	
Contract Subject Identity	Select a contract subject name.	ApicTenantContractSubjectIdentity	
Filter Identity	Select a filter name.	ApicDeviceTenantFilterIdentity	
Filter Rule Name	Enter a filter rule name.	gen_text_input	
Source Network	Select a source network.	containerTiers	
Destination Network	Select a destination network.	containerTiers	
ExternalNetwork	Select an external network.	ApicDeviceExternalNetworkInOutsideNetworkIdentity	
Is L3	Check Is L3 either true or false. The default value is false.	Boolean	
Source Port Start	Enter a Source Port start from the range 0 to 65535.	gen_text_input	
Source Port End	Enter Source Port end from the range 0 to 65535.	gen_text_input	
Destination Port Start	Enter Destination Port start from the range 0 to 65535.	gen_text_input	
Destination Port End	Enter Destination Port end from the range 0 to 65535.	gen_text_input	
User Rule Name	Enter a user rule name.	gen_text_input	
User Rule Description	Enter a user Rule description. The description can be up to 128 alphanumeric characters.	gen_text_input	
Protocol	Enter a protocol. Specify any valid protocol. For example: ip, tcp, udp, icmp.	gen_text_input	

Input	Description	Mappable To Type	Mandatory
Is bidirectional	Check Is Bidirectional either true or false. The default value is false.	Boolean	
Operation	Choose Operation either create or delete. The default value is 'create'.	gen_text_input	

**Outputs**

No Outputs
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