



APIC - Bridge Domain Operations

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Add DHCP Label To APIC Tenant Bridge Domain

Summary

Add a DHCP label to tenant bridge domain.

Description

This task adds a dynamic host configuration protocol (DHCP) label to a tenant bridge domain for a tenant on the APIC controller.

Inputs

Input	Description	Mappable To Type	Mandatory
Bridge Domain	Select a bridge domain.	ApicDeviceTenantBridgeDomain Identity	Y
scope	Choose Scope, either infra or tenant.	gen_text_input	Y
DHCP Relay Name For Tenant	Select a DHCP Relay name for Tenant.	ApicDeviceTenantDhcpRelay Identity	Y
DHCP Relay Name For Infra	Select a DHCP Relay name for Infra.	ApicDeviceFabricDhcpRelay Identity	Y
DHCP Option Policy	Select a DHCP Option Policy.	ApicDeviceTenantDhcpOption PolicyIdentity	

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_BRIDGE_DOMAIN	Bridge Domain Name	gen_text_input
TENANT_BRIDGE_DOMAIN_IDENTITY	Bridge Domain Identity	ApicDeviceTenantBridge DomainIdentity
TENANT_DHCP_RELAY_NAME	DHCP Relay Name	gen_text_input
TENANT_DHCP_RELAY_IDENTITY	DHCP Relay Identity	ApicDeviceTenantDhcpRelay Identity
TENANT_DHCP_SCOPE	DHCP Scope	gen_text_input
TENANT_DHCP_SCOPE_IDENTITY	DHCP Scope Identity	ApicDeviceTenantDhcpScope Identity
TENANT_DHCP_OPTION_POLICY_NAME	DHCP Option Policy Name	gen_text_input

Output	Description	Type
TENANT_DHCP_OPTION_POLICY_IDENTITY	DHCP Option Policy Identity	ApicDeviceTenantDhcpOptionPolicyIdentity
TENANT_BRIDGE_DOMAIN_DHCP_LABEL_IDENTITY	Bridge doamind DHCP label Identity	ApicDeviceTenantBridgeDomainDhcpLabelIdentity
FABRIC_DHCP_RELAY_NAME	Fabric DHCP Relay Name	gen_text_input
FABRIC_DHCP_RELAY_IDENTITY	Fabric DHCP Relay Identity	ApicDeviceFabricDhcpRelayIdentity

Create APIC Tenant Bridge Domain

Summary

Create a tenant bridge domain.

Description

This task creates a bridge domain on the APIC controller.

Inputs

Input	Description	Mappable To Type	Mandatory
Tenant Name	Provide Tenant Name	ApicDeviceTenantIdentity	Y
Bridge Domain Name	Provide Bridge Domain Name	gen_text_input	Y
Description	Description	gen_text_input	
Network	Provide Network	ApicDeviceTenantPrivate NetworkIdentity	
Forwarding	Select the forwarding parameters	gen_text_input	
L2 Unknown Unicast	Select the L2 Unicast parameter	gen_text_input	
Unknown Multicast Flooding	Select Multicast parameter	gen_text_input	
ARP Flooding	Select this option to enable ARP flooding	Boolean	
Unicast Routing	Select this option to enable Unicast routing	Boolean	
Custom MacAddress	Select this option to Configure the Bridge Domain macaddress		
MacAddress	Macaddress configuration	gen_text_input	
Endpoint Dataplane Learning	Check this option to enable Endpoint Dataplane Learning. The default value is true.	gen_text_input	
Limit IP Learning To Subnet	Check this option to Limit IP Learning To Subnet. The default value is true.	gen_text_input	
IGMP Snoop Policy	IGMP Snoop Policy	ApicDeviceTenant IGMPPolicyIdentity	
Associated L3 Out	Provide associated L3 Out	ApicDeviceTenantL3Out Identity	
L3 Out for Route Profile	L3 out for Route Profile	ApicDeviceTenantRouted ProfileToExtRouted NetworkIdentity	
Monitoring Policy	Provide Monitoring Policy	ApicDeviceTenant MonitoringPolicyIdentity	

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_BRIDGE_DOMAIN	Bridge Domain Name	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
TENANT_BRIDGE_DOMAIN_IDENTITY	Bridge Domain Identity	ApicDeviceTenantBridgeDomainIdentity

Create Subnet To APIC Bridge Domain

Summary

Create a subnet to a bridge domain.

Description

This task creates a subnet to a bridge domain on the APIC controller.

Inputs

Input	Description	Mappable To Type	Mandatory
Bridge Domain	Select a bridge domain.	ApicDeviceTenant BridgeDomainIdentity	Y
Gateway IP (Address)	Enter a gateway IP address in the format i.i.i.i. Ex: 10.1.1.1	ipaddress	Y
Gateway IP (Prefix)	Enter a gateway IP prefix in the range 1 to 30.	gen_text_input	Y
Shared Subnet	Check this option to enable Subnet Control for a shared subnet. The default value is false.	Boolean	
Public Subnet	Check this option to enable Subnet Control for a public subnet. The default value is false.	Boolean	
Private Subnet	Check this option to enable Subnet Control for a private subnet. The default value is true.	Boolean	
Description	Enter a description. The description can be up to 128 alphanumeric characters.	gen_text_input	
Subnet Control (Querier IP)	Check this option to enable Subnet Control. The default value is false.	Boolean	
L3 Out for Route Profile	Select L3 Out for Route Profile	ApicDeviceTenantL3Out Identity	
Route Profile	Select a Route profile.	ApicDeviceTenant RoutedProfileToExt RoutedNetworkIdentity	

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_BRIDGE_DOMAIN	Bridge Domain Name	gen_text_input
TENANT_BRIDGE_DOMAIN_IDENTITY	Bridge Domain Identity	ApicDeviceTenantBridgeDomainIdentity
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_SUBNET_IDENTITY	Subnet Identity	gen_text_input
TENANT_SUBNET_TO_BRIDGE_DOMAIN_IDENTITY	Subnet Identity	ApicTenantSubnetToBridgeDomainIdentity

Delete APIC Tenant Bridge Domain

Summary

Delete a tenant bridge domain.

Description

This task deletes a bridge domain for a tenant on the APIC controller.

Inputs

Input	Description	Mappable To Type	Mandatory
Bridge Domain Name	Select a bridge domain name.	ApicDeviceTenantBridgeDomainIdentity	Y
Do you want to delete the selected Tenant Bridge Domain?			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_BRIDGE_DOMAIN	Bridge Domain Name	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
TENANT_BRIDGE_DOMAIN_IDENTITY	Bridge Domain Identity	ApicDeviceTenantBridgeDomainIdentity

Delete DHCP Label From APIC Tenant Bridge Domain

Summary

Delete a DHCP label from a tenant bridge domain in UCSD.

Description

This task deletes a dynamic host configuration protocol (DHCP) label from a tenant bridge domain on the APIC controller.

Inputs

Input	Description	Mappable To Type	Mandatory
DHCP Relay Name	Select a DHCP Relay Label name.	ApicDeviceTenantBridgeDomainDhcpLabelIdentity	Y
Do you want to delete the selected DHCP Label from Tenant Bridge Domain?			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_BRIDGE_DOMAIN	Bridge Domain Name	gen_text_input
TENANT_BRIDGE_DOMAIN_IDENTITY	Bridge Domain Identity	ApicDeviceTenantBridgeDomainIdentity
TENANT_DHCP_RELAY_NAME	DHCP Relay Name	gen_text_input
TENANT_DHCP_RELAY_IDENTITY	DHCP Relay Identity	ApicDeviceTenantDhcpRelayIdentity

Delete Subnet From APIC Bridge Domain

Summary

Delete a subnet from a bridge domain.

Description

This task deletes a subnet from a bridge domain on the APIC controller.

Inputs

Input	Description	Mappable To Type	Mandatory
Subnet	Select a subnet.	ApicTenantSubnetToBridge DomainIdentity	Y
Do you want to delete the selected Subnet From Bridge Network?			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_BRIDGE_DOMAIN	Bridge Domain Name	gen_text_input
TENANT_BRIDGE_DOMAIN_IDENTITY	Bridge Domain Identity	ApicDeviceTenantBridge DomainIdentity
TENANT_SUBNET_NAME	Subnet Name	gen_text_input
TENANT_SUBNET_IDENTITY	Subnet Identity	gen_text_input

Modify APIC Tenant Bridge Domain

Summary

Modify a tenant bridge domain.

Description

This task modifies a tenant bridge domain on the APIC controller. A bridge domain represents a Layer 2 forwarding construct within the fabric.

Inputs

Input	Description	Mappable To Type	Mandatory
Bridge Domain Name	Select a bridge domain name.	ApicDeviceTenantBridgeDomainIdentity	Y
Description	Enter a description. The description can be up to 128 alphanumeric characters.	gen_text_input	
Network	Select a network.	ApicDeviceTenantPrivateNetworkIdentity	
L2 Unknown Unicast	Choose the L2 Unicast parameter, either flood or hardware proxy. The default value is 'flood'.	gen_text_input	
Unknown Multicast Flooding	Choose the Multicast parameter, either flood or optimized flood. The default value is 'flood'.	gen_text_input	
ARP Flooding	Check this option to enable ARP flooding. The default value is false.	Boolean	
Unicast Routing	Check this option to enable Unicast routing. The default value is false.	Boolean	
Custom MacAddress	Check this option to configure the Bridge Domain MAC address.		
MacAddress	Enter a MAC address in the format aa:bb:cc:dd:ee:ff. For example: 11:22:33:44:55:66:77:88.	gen_text_input	
Endpoint Dataplane Learning	Check this option to enable Endpoint Dataplane Learning. The default value is true.	gen_text_input	
Limit IP Learning To Subnet	Check this option to Limit IP Learning To Subnet. The default value is true.	gen_text_input	
IGMP Snoop Policy	Select an IGMP Snoop Policy.	ApicDeviceTenantIGMPPolicyIdentity	
Associated L3 Out	Select an associated L3 Out.	ApicDeviceTenantL3OutIdentity	

Input	Description	Mappable To Type	Mandatory
L3 Out for Route Profile	Select an L3 Out for Route profile.	ApicDeviceTenantRoutedProfileToExtRoutedNetworkIdentity	
Monitoring Policy	Select a Monitoring policy.	ApicDeviceTenantMonitoringPolicyIdentity	

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_BRIDGE_DOMAIN	Bridge Domain Name	gen_text_input
TENANT_IDENTITY	APIC Tenant Identity	ApicDeviceTenantIdentity
TENANT_BRIDGE_DOMAIN_IDENTITY	Bridge Domain Identity	ApicDeviceTenantBridgeDomainIdentity

Update Subnet To APIC Bridge Domain

Summary

Update a subnet on a bridge domain.

Description

This task updates a subnet on a bridge domain on the APIC controller.

Inputs

Input	Description	Mappable To Type	Mandatory
Subnet	Select a subnet.	ApicTenantSubnetToBridgeDomainIdentity	Y
Shared Subnet	Check this option to enable Subnet Control for a shared subnet. The default value is false.	Boolean	
Public Subnet	Check this option to enable Subnet Control for a public subnet. The default value is false.	Boolean	
Private Subnet	Check this option to enable Subnet Control for a private subnet. The default value is true.	Boolean	
Subnet Control (Querier IP)	Check this option to enable Subnet Control. The default value is false.	Boolean	
L3 Out for Route Profile	Select L3 Out for the route profile.	ApicDeviceTenantL3OutIdentity	
Route Profile	Select a route profile.	ApicDeviceTenantRoutedProfileToExtRoutedNetworkIdentity	

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_BRIDGE_DOMAIN	Bridge Domain Name	gen_text_input
TENANT_BRIDGE_DOMAIN_IDENTITY	Bridge Domain Identity	ApicDeviceTenantBridgeDomainIdentity
TENANT_EXTERNAL_ROUTED_NETWORK_NAME	External Routed Network Name	gen_text_input

Output	Description	Type
TENANT_EXTERNAL_ROUTED_NETWORK_IDENTITY	External Routed Network Identity	ApicDeviceTenantL3Out Identity
TENANT_SUBNET_NAME	Subnet Name	gen_text_input
TENANT_SUBNET_IDENTITY	Subnet Identity	gen_text_input