



Cisco Cloud APIC Error Codes

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Cisco Cloud APIC Error Codes

This section describes the Cisco Cloud APIC error codes.

Table 1: Cisco Cloud APIC Error Codes

| Component | Error Code | Constraint |
|----------------|---|--|
| cloud-template | CT_INFRANETWORK_COUNT | The count of the cloudtemplateInfraNetwork MO is at most 1 |
| cloud-template | CT_INFRANETWORK_COUNT | The count of the cloudtemplateInfraNetwork MO is at most 1 |
| cloud-template | CT_INFRANETWORK_VRF | In the cloudtemplateInfraNetwork MO, the vrfName must be overlay-1 |
| cloud-template | CT_INFRANETWORK_PARENT | For the cloudtemplateInfraNetwork MO, the parent MO must be uni/tn-infra |
| cloud-template | CT_INFRANETWORK_NUMROUTERSPERREGION_MINIMUM | In the cloudtemplateInfraNetwork MO, for the attribute numRoutersPerRegion, the minimum allowed value is 2 |

| Component | Error Code | Constraint |
|----------------|---|--|
| cloud-template | CT_INFRANETWORK_NUMROUTERSPERREGION_MAXIMUM | In the <code>cloudtemplateInfraNetwork</code> MO, for the attribute <code>numRoutersPerRegion</code> , the maximum allowed value is 4 |
| cloud-template | CT_INFRANETWORK_NUMREMOTESITESUBNETPOOL_MINIMUM | In the <code>cloudtemplateInfraNetwork</code> MO, for the attribute <code>numRemoteSiteSubnetPool</code> , the minimum allowed value is 2 |
| cloud-template | CT_INFRANETWORK_NUMREMOTESITESUBNETPOOL_MAXIMUM | In the <code>cloudtemplateInfraNetwork</code> MO, for the attribute <code>numRemoteSiteSubnetPool</code> , the maximum allowed value is 2 |
| cloud-template | CT_INTNETWORK_COUNT | The count of the <code>cloudtemplateIntNetwork</code> MO is at most 1 |
| cloud-template | CT_EXTNETWORK_COUNT | The count of the <code>cloudtemplateExtNetwork</code> MO is at most 1 |
| cloud-template | CT_VPNNETWORK_COUNT | The count of the <code>cloudtemplateVpnNetwork</code> MO is at most 1 |
| cloud-template | CT_OSPF_COUNT | The count of the <code>cloudtemplateOspf</code> MO is at most 1 |
| cloud-template | CT_INTNETWORK_REGION_MATCH | The regions specified by <code>cloudRegionName</code> under <code>cloudtemplateIntNetwork</code> must have a corresponding <code>cloudRegion</code> under <code>cloudProvP</code> |
| cloud-template | CT_INTNETWORK_REGION_MANAGED | The regions specified by the <code>cloudRegionName</code> children of <code>cloudtemplateIntNetwork</code> must have corresponding <code>cloudRegion</code> with <code>adminSt</code> as managed |

| Component | Error Code | Constraint |
|----------------|--|---|
| cloud-template | CT_INTNETWORK_REGION_MAXIMUM | The maximum number of regions (<code>cloudRegionName</code>) specified under <code>cloudtemplateIntNetwork</code> is 4 |
| cloud-template | CT_EXTNETWORK_REGION_SUBSET | The regions that are specified by the <code>cloudRegionName</code> children of <code>cloudtemplateExtNetwork</code> must also be specified by <code>cloudRegionName</code> children under <code>cloudtemplateIntNetwork</code> |
| cloud-template | CT_EXTSUBNETPOOL_COUNT | The count of the <code>cloudtemplateExtSubnetPool</code> is at most 1 |
| cloud-template | CT_EXTSUBNETPOOL_SUBNETPOOL_ADDRESS | In <code>cloudtemplateExtSubnetPool</code> , the subnetpool must contain a network address |
| cloud-template | CT_EXTSUBNETPOOL_SUBNETPOOL_IP_VERSION | In <code>cloudtemplateExtSubnetPool</code> , the subnetpool must contain a IPv4 address |
| cloud-template | CT_EXTSUBNETPOOL_SUBNETPOOL_ADDRESS_TYPE | In <code>cloudtemplateExtSubnetPool</code> , the subnetpool IP address must not from multicast or loopback address space |
| cloud-template | CT_EXTSUBNETPOOL_SUBNETPOOL_MINIMUM_SIZE | In <code>cloudtemplateExtSubnetPool</code> , the subnetpool must be at least /22 (the netmask must be 22 or less) |
| cloud-template | CT_INTNETWORK_MISSING_HOME | If there are any <code>cloudRegionName</code> under <code>cloudtemplateIntNetwork</code> , then one of the <code>cloudRegonName</code> must be associated to a region that is the home region of the cAPIC (<code>capicDeployed</code>) |

| Component | Error Code | Constraint |
|----------------|--------------------------------------|--|
| cloud-template | CT_CLOUD_APICSUBNETPOOL_INSUFFICIENT | There must be enough <code>cloudApicSubnetPool</code> MOs to generate <code>cloudApicSubnet</code> MOs so that all the <code>cloudRegionName</code> MOs specified under <code>cloudtemplateIntNetwork</code> can be associated to a unique <code>cloudApicSubnet</code> MO. The subnets from the <code>cloudApicSubnet</code> MOs are used as the CIDRs in the <code>cloudCtxProfile</code> of the corresponding region. |
| cloud-template | CT_IPSECTUNNEL_PEERADDR_IP_VERSION | In <code>cloudtemplateIpSecTunnel</code> , the <code>peeraddr</code> must contain a IPv4 address |
| cloud-template | CT_IPSECTUNNEL_PEERADDR_IS_HOST | In <code>cloudtemplateIpSecTunnel</code> , the <code>peeraddr</code> must be host address (i.e. /32) |
| cloud-template | CT_PROFILE_COUNT | The count of the <code>cloudtemplateProfile</code> MO is at most 1 |
| cloud-template | CT_PROFILE_DELETE | The <code>cloudtemplateProfile</code> MO cannot be deleted unless its parent <code>cloudtemplateInfraNetwork</code> is also deleted |
| cloud-template | CT_PROFILE_ROUTERUSERNAME_NONEMPTY | In <code>cloudtemplateProfile</code> , the <code>routerUsername</code> must be non-empty |
| cloud-template | CT_PROFILE_ROUTERPASSWORD_NONEMPTY | In <code>cloudtemplateProfile</code> , the <code>routerPassword</code> must be non-empty |

| Component | Error Code | Constraint |
|----------------|------------------------------------|--|
| cloud-template | CT_PROFILE_ROUTERUSERNAME_MODIFY | In <code>cloudtemplateProfile</code> , the <code>routerUsername</code> cannot be modified when there are routers deployed in any region, i.e. any <code>cloudRegionName</code> under <code>cloudtemplateIntNetwork</code> (The modification is allowed when there are no router deployments in any region) |
| cloud-template | CT_PROFILE_ROUTERPASSWORD_MODIFY | In <code>cloudtemplateProfile</code> , the <code>routerPassword</code> cannot be modified when there are routers deployed in any region, i.e. any <code>cloudRegionName</code> under <code>cloudtemplateIntNetwork</code> (The modification is allowed when there are no router deployments in any region) |
| cloud-template | CT_PROFILE_ROUTERTHROUGHPUT_MODIFY | In <code>cloudtemplateProfile</code> , the <code>routerThroughput</code> cannot be modified when there are routers deployed in any region, i.e. any <code>cloudRegionName</code> under <code>cloudtemplateIntNetwork</code> (The modification is allowed when there are no router deployments in any region) |
| cloud | CT_APICSUBNET_INVALID_HOME_REGION | In a <code>cloudApicSubnet</code> MO, the region marked for <code>capicDeployed</code> must be a valid region |
| cloud | CT_APICSUBNET_REPEATED_REGION | In a <code>cloudApicSubnet</code> MO, a region can be associated with at most 1 subnet |

| Component | Error Code | Constraint |
|-----------|--|--|
| cloud | CT_APICSUBNET_MULTIPLE_HOME_REGION | In <code>cloudApicSubnet</code> MOs, at most, 1 region may have <code>capicDeployed</code> as true |
| cloud | CLOUD_APICSUBNETPOOL_CREATEDBY_USER | In <code>cloudApicSubnetPool</code> , the <code>createdBy</code> attribute must be USER |
| cloud | CLOUD_APICSUBNETPOOL_SUBNET_IP_VERSION | In <code>cloudApicSubnetPool</code> , the subnet must contain a IPv4 address |
| cloud | CLOUD_APICSUBNETPOOL_SUBNET_SIZE | In <code>cloudApicSubnetPool</code> , the subnet must be /24 |
| cloud | CLOUD_APICSUBNETPOOL_DELETE_USAGE | A <code>cloudApicSubnetPool</code> cannot be deleted if at least one of its <code>cloudApicSubnet</code> child is in use by a region |
| cloud | CLOUD_APICSUBNETPOOL_DELETE_CREATEDBY | A <code>cloudApicSubnetPool</code> whose <code>createdBy</code> attribute is not USER cannot be deleted |