



## Cisco Cloud APIC Error Codes

- [Cisco Cloud APIC Error Codes, on page 1](#)

### 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 <code>cloudtemplateInfraNetwork</code> MO is at most 1   |
| cloud-template | CT_INFRANETWORK_VRF                         | In the <code>cloudtemplateInfraNetwork</code> MO, the <code>vrfName</code> must be <code>overlay-1</code>                             |
| cloud-template | CT_INFRANETWORK_PARENT                      | For the <code>cloudtemplateInfraNetworkMO</code> , the parent MO must be <code>uni/tn-infra</code>                                    |
| cloud-template | CT_INFRANETWORK_NUMROUTERSPERREGION_MINIMUM | In the <code>cloudtemplateInfraNetwork</code> MO, for the attribute <code>numRoutersPerRegion</code> , the minimum allowed value is 2 |
| 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_INTNETWORK_COUNT                         | The count of <code>cloudtemplateIntNetwork</code> MO is at most 1   |

| Component      | Error Code                           | Constraint  |
|----------------|--------------------------------------|---|
| cloud-template | CT_EXTNETWORK_COUNT                  | The count of <code>cloudtemplateExtNetwork MO</code> is at most 1   |
| cloud-template | CT_VPNNETWORK_COUNT                  | The count of <code>cloudtemplateVpnNetwork MO</code> is at most 1   |
| cloud-template | CT_OSPF_COUNT                        | The count of <code>cloudtemplateOspf MO</code> 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                      |
| 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 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_EXTNETWORK_REQUIRES_EXTSUBNETPOOL | The presence of <code>cloudtemplateExtNetwork</code> requires presence of <code>cloudtemplateExtSubnetPool</code>   |
| cloud-template | CT_EXTSUBNETPOOL_COUNT               | The count of <code>cloudtemplateExtSubnetPool</code> is at most 1   |
| cloud-template | CT_EXTSUBNETPOOL_SUBNETPOOL_ADDRESS  | In <code>cloudtemplateExtSubnetPool</code> , the subnetpool must contain a network address.   |

| Component      | Error Code                               | Constraint   |
|----------------|--|--|
| cloud-template | CT_EXTSUBNETPOOL_SUBNETPOOL_IP_VERSION   | In <code>cloudtemplateExtSubnetPool</code> , the <code>subnetpool</code> must contain an IPv4 address.   |
| cloud-template | CT_EXTSUBNETPOOL_SUBNETPOOL_ADDRESS_TYPE | In <code>cloudtemplateExtSubnetPool</code> , the <code>subnetpool</code> IP address must not from multicast or loopback address space  |
| cloud-template | CT_EXTSUBNETPOOL_SUBNETPOOL_MINIMUM_SIZE | In <code>cloudtemplateExtSubnetPool</code> , the <code>subnetpool</code> must be at least /22 (i.e. the netmask must be 22 or less).   |
| cloud-template | CT_EXTSUBNETPOOL_AND_REMOTESITE          | The <code>cloudtemplateExtSubnetPool</code> needs to be big enough to have at least one <code>cloudtemplateRemoteSiteSubnetPool</code> for each <code>cloudtemplateRemoteSite</code> .   |
| cloud-template | CT_INTNETWORK_MISSING_HOME               | If there are any <code>cloudRegionName</code> under <code>cloudtemplateIntNetwork</code> , then one of the <code>cloudRegionName</code> must be associated to a region that is the home region of the cAPIC ( <code>capicDeployed</code> ).  |
| 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.  |

| Component      | Error Code                                      | Constraint  |
|----------------|---|---|
| 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 <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_AZURE_PROFILE_ROUTERUSERNAME_INVALID         | In Azure, some usernames are not valid (admin, root, ...) and must not end with a period.   |
| cloud-template | CT_AZURE_PROFILE_ROUTERUSERNAME_TOO_LONG        | In Azure, username is restricted to max 20 characters.  |
| 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>routerLicenseToken</code> must not contain invalid characters.   |
| 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-template | CT_PROFILE_ROUTERLICENSETOKEN_INVALID_CHARACTER | In <code>cloudtemplateProfile</code> , the <code>routerPassword</code> must be non-empty.   |
| cloud-template | CT_APICSUBNET_INVALID_HOME_REGION               | In a <code>cloudApicSubnet</code> MO, the region marked for <code>capicDeployed</code> must be a valid region   |
| cloud-template | 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-template | CT_APICSUBNET_MULTIPLE_HOME_REGION      | In <code>cloudApicSubnet</code> MOs, at most 1 region may have <code>capicDeployed</code> as true.  |
| cloud-template | CT_HUBNETWORK_COUNT                     | The count of <code>cloudtemplateHubNetwork</code> MO is at most 1   |
| 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.                                      |
| cloud          | CLOUD_AZURE_CTXPROFILE_SUBNET_RENAME    | <code>cloudSubnet</code> name cannot be modified  |
| cloud          | CLOUD_AZURE_CTXPROFILE_SUBNET_DUPLICATE | Two <code>cloudSubnet</code> in the same <code>cloudCtxProfile</code> cannot have the same name   |
| cloud          | CLOUD_CAPIC_IP_EXT_EPG_SELECTOR_MAXIMUM | There can be maximum 1 <code>cloudExtEpSelector</code> in the <code>cloudExtEPg</code> corresponding to Cloud APIC IP                         |
| cloud          | CLOUD_AZURE_ACCOUNT_IN_USE              | The association between the account and the tenant cannot be updated or deleted while the account is in use and context profiles are deployed |
| cloud          | CLOUD_AZURE_INFRA_ACCOUNT_CHANGE        | The account for the tenant infra cannot be modified or deleted  |
| cloud          | CLOUD_SOURCE_PORT_NOT_SUPPORTED         | Source port range is not allowed on Cloud APIC  |
| cloud          | CLOUD_ONLY_PERMIT_ACTION_SUPPORTED      | Actions different from 'permit' are not supported on Cloud APIC   |

| Component      | Error Code                                      | Constraint  |
|----------------|---|---|
| cloud          | CLOUD_CIDR_OVERLAP                              | The subnets of <code>cloudCidrs</code> cannot overlap   |
| cloud          | CLOUD_SUBNET_USAGE                              | There can be at most 1 gateway subnet for a given zone and each user subnet should have exactly 1 gateway subnet in the same user subnet's zone   |
| cloud          | CLOUD_AZURE_ACCOUNT_CRED_CROSS_TENANT           | The <code>cloudCredentials</code> used by the <code>cloudAccount</code> must be in the same tenant  |
| cloud          | CLOUD_AZURE_ACCOUNT_AD_CROSS_TENANT             | The <code>cloudAd</code> used by the <code>cloudAccount</code> must be in the same tenant   |
| cloud-template | CT_CLOUD_APICSUBNETPOOL_INSUFFICIENT_HUBNETWORK | 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. With <code>HubNetworking</code> enabled, there must be as many <code>cloudApicSubnetPool</code> as the <code>cloudRegionName</code> under <code>cloudtemplateIntNetwork</code> . |
| cloud          | CLOUD_SYSTEM_MO_IS_IMMUTABLE                    | Instances created by the system are immutable   |
| cloud-template | CT_BGPEVPN_PEERADDR_IP_VERSION                  | In <code>cloudtemplateBgpEvpn</code> , the <code>peeraddr</code> must contain a IPv4 address.   |
| cloud-template | CT_BGPEVPN_PEERADDR_ADDRESS_TYPE                | In <code>cloudtemplateBgpEvpn</code> , the <code>peeraddr</code> IP address must be a host address  |
| cloud          | CLOUD_APICSUBNETPOOL_SUBNET_HOST_PART           | In <code>cloudApicSubnetPool</code> <code>subnet</code> , the host part must be 0.  |

| Component      | Error Code                                    | Constraint   |
|----------------|---|--|
| cloud-template | CT_EXTSUBNETPOOL_CLOUD_APICSUBNETPOOL_OVERLAP | There is a subnet overlap between <code>cloudtemplateExtSubnetPool</code> and <code>cloudApicSubnetPool</code> . |

