



# Cisco Cloud Network Controller Error Codes

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## Cisco Cloud Network Controller Error Codes

This section describes the Cisco Cloud Network Controller error codes.

**Table 1: Cisco Cloud Network Controller 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

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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 subnetpool must contain an 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 (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 Cisco Cloud Network Controller ( <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

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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 Cisco Cloud Network Controller 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 Cisco Cloud Network Controller

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cloud	CLOUD_ONLY_PERMIT_ACTION_SUPPORTED	Actions different from 'permit' are not supported on Cisco Cloud Network Controller
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> subnet, 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> .

