Nauge API Rest Call Guide

* Authenticate

1. Get API key

Note: the authorization code is base64 encoding of “username: password”, which in the following case is base64 encoding of “csproot: telus123”, and we get ”Y3Nwcm9vdDp0ZWx1czEyMw==”.

|  |  |
| --- | --- |
| URL & Request type | GET <https://209.91.90.135:8443/nuage/api/v3_2/me> |
| Headers | X-Nuage-Organization: csp  Authorization: XREST Y3Nwcm9vdDp0ZWx1czEyMw== |
| Values |  |
| response | 200 OK  {  "firstName": "csproot"  "lastName": "csproot"  "userName": "csproot"  "email": "csproot@CSP.com"  "mobileNumber": null  "password": null  "role": "CSPROOT"  "enterpriseName": "CSP"  "avatarType": null  "avatarData": null  "licenseCapabilities":  "ENCRYPTION\_ENABLED"  "entityScope": null  "externalId": null  "ID": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "APIKey": "8ef7dcfc-1100-49d4-9ad9-37ac1860fc32"  "APIKeyExpiry": 1456245344728  "enterpriseID": "76046673-d0ea-4a67-b6af-2829952f0812"  "externalID": null  } |

1. Use the API key to authenticate and get the list of enterprises  
   Note: the authorization code is base64 encoding of “username: API key”, which in the following example is base64 encoding of “csproot:8ef7dcfc-1100-49d4-9ad9-37ac1860fc32”, and we get “Y3Nwcm9vdDogOGVmN2RjZmMtMTEwMC00OWQ0LTlhZDktMzdhYzE4NjBmYzMyDQo=”.

|  |  |
| --- | --- |
| URL & Request Type | GET https://209.91.90.135:8443/nuage/api/v3\_2/enterprises/ |
| Headers | X-Nuage-Organization: csp  Authorization: XREST Y3Nwcm9vdDo4ZWY3ZGNmYy0xMTAwLTQ5ZDQtOWFkOS0zN2FjMTg2MGZjMzI= |
| Values |  |
| response | 200: OK  {  "children": null  "parentType": null  "entityScope": "ENTERPRISE"  "lastUpdatedBy": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "lastUpdatedDate": 1456165943000  "creationDate": 1456165943000  "name": "NewOrg1"  "description": null  "avatarType": null  "avatarData": null  "floatingIPsQuota": 16  "floatingIPsUsed": 0  "allowTrustedForwardingClass": false  "allowAdvancedQOSConfiguration": false  "allowedForwardingClasses": "H"  "allowGatewayManagement": false  "encryptionManagementMode": "DISABLED"  "owner": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "ID": "f2dcec7d-1e2b-4b92-b714-a6c3c63c1b3a"  "parentID": null  "externalID": null  "customerID": 10006  "DHCPLeaseInterval": 24  "enterpriseProfileID": "f1e5eb19-c67a-4651-90c1-3f84e23e1d36"  "receiveMultiCastListID": "081169f6-cb2f-4c6e-8e94-b701224a5141"  "sendMultiCastListID": "738446cc-026f-488f-9718-b13f4390857b"  "associatedGroupKeyEncryptionProfileID": "c2c2773f-723c-4d8e-a266-b94e87b60507"  "associatedEnterpriseSecurityID": "4d78f06a-9f06-405b-a0d8-2add5aa9d07e"  "associatedKeyServerMonitorID": "99f9720b-6be0-4582-9aac-7b5859808968"  "LDAPEnabled": false  "LDAPAuthorizationEnabled": false  }  {  "children": null  "parentType": null  "entityScope": "ENTERPRISE"  "lastUpdatedBy": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "lastUpdatedDate": 1453153607000  "creationDate": 1453153607000  "name": "org\_grace"  "description": "portal dev"  "avatarType": null  "avatarData": null  "floatingIPsQuota": 16  "floatingIPsUsed": 0  "allowTrustedForwardingClass": false  "allowAdvancedQOSConfiguration": false  "allowedForwardingClasses": "H"  "allowGatewayManagement": false  "encryptionManagementMode": "DISABLED"  "owner": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "ID": "3338ae3e-2cf7-4c70-a3ca-873e0de95bb5"  "parentID": null  "externalID": null  "customerID": 10005  "DHCPLeaseInterval": 24  "enterpriseProfileID": "f1e5eb19-c67a-4651-90c1-3f84e23e1d36"  "receiveMultiCastListID": "081169f6-cb2f-4c6e-8e94-b701224a5141"  "sendMultiCastListID": "738446cc-026f-488f-9718-b13f4390857b"  "associatedGroupKeyEncryptionProfileID": "3b88afee-bf57-4667-b4d8-cfa7a70b9e56"  "associatedEnterpriseSecurityID": "99b7f491-4da9-459c-abd1-41905b2498eb"  "associatedKeyServerMonitorID": "b493b3dc-3feb-427c-8cae-5e8398cf48ef"  "LDAPEnabled": false  "LDAPAuthorizationEnabled": false  }  {  "children": null  "parentType": null  "entityScope": "ENTERPRISE"  "lastUpdatedBy": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "lastUpdatedDate": 1450929151000  "creationDate": 1450929151000  "name": "org\_ml"  "description": null  "avatarType": null  "avatarData": null  "floatingIPsQuota": 100  "floatingIPsUsed": 0  "allowTrustedForwardingClass": true  "allowAdvancedQOSConfiguration": true  "allowedForwardingClasses": "A"  "B" "C" "D""E" "F""G" "H"  "allowGatewayManagement": false  "encryptionManagementMode": "DISABLED"  "owner": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "ID": "14582b65-f8fe-4a5a-884d-2893a8e88650"  "parentID": null  "externalID": null  "customerID": 10004  "DHCPLeaseInterval": 24  "enterpriseProfileID": "d2072ea2-e14b-4b2d-b478-a1ba97c156d9"  "receiveMultiCastListID": "6082bfcb-9a43-47eb-96d3-a4f6baf67f63"  "sendMultiCastListID": "c76f3503-57d6-4126-a40a-853f85c4900e"  "associatedGroupKeyEncryptionProfileID": "ed28bb98-82b6-49d4-8b11-23d7ff4ca4a8"  "associatedEnterpriseSecurityID": "59dffa38-2445-4618-9cda-51efbcba9b9e"  "associatedKeyServerMonitorID": "b8b55d6f-942a-4316-8cf1-bd0c3508a4fe"  "LDAPEnabled": false  "LDAPAuthorizationEnabled": false  } |

* Add new enterprises  
  1. Authenticate and get the API key

2. Create enterprises

|  |  |
| --- | --- |
| URL & Request type | POST https://209.91.90.135:8443/nuage/api/v3\_2/enterprises/ |
| Headers | X-Nuage-Organization: csp  Authorization: XREST Y3Nwcm9vdDo4ZWY3ZGNmYy0xMTAwLTQ5ZDQtOWFkOS0zN2FjMTg2MGZjMzI=  Content-Type: application/json |
| Values | {  "allowAdvancedQOSConfiguration": false,  "allowGatewayManagement": false,  "allowTrustedForwardingClass": null,  "allowedForwardingClasses": null,  "associatedEnterpriseSecurityID": null,  "associatedGroupKeyEncryptionProfileID": null,  "associatedKeyServerMonitorID": null,  "avatarData": null,  "avatarType": null,  "customerID": null,  "description" : null,  "DHCPLeaseInterval": null,  "enterpriseProfileID": null,  "floatingIPsQuota": null,  "floatingIPsUsed": null,  "LDAPAuthorizationEnabled": false,  "LDAPEnabled": false,  "name" : "NewOrg1",  "receiveMultiCastListID" : null,  "sendMultiCastListID" : null  } |
| response | 201: Created  {  "children": null  "parentType": null  "entityScope": "ENTERPRISE"  "lastUpdatedBy": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "lastUpdatedDate": 1456165943100  "creationDate": 1456165943100  "name": "NewOrg1"  "description": null  "avatarType": null  "avatarData": null  "floatingIPsQuota": 16  "floatingIPsUsed": 0  "allowTrustedForwardingClass": false  "allowAdvancedQOSConfiguration": false  "allowedForwardingClasses": "H"  "allowGatewayManagement": false  "encryptionManagementMode": "DISABLED"  "owner": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "ID": "f2dcec7d-1e2b-4b92-b714-a6c3c63c1b3a"  "parentID": null  "externalID": null  "customerID": 10006  "DHCPLeaseInterval": 24  "enterpriseProfileID": "f1e5eb19-c67a-4651-90c1-3f84e23e1d36"  "receiveMultiCastListID": "081169f6-cb2f-4c6e-8e94-b701224a5141"  "sendMultiCastListID": "738446cc-026f-488f-9718-b13f4390857b"  "associatedGroupKeyEncryptionProfileID": "c2c2773f-723c-4d8e-a266-b94e87b60507"  "associatedEnterpriseSecurityID": "4d78f06a-9f06-405b-a0d8-2add5aa9d07e"  "associatedKeyServerMonitorID": "99f9720b-6be0-4582-9aac-7b5859808968"  "LDAPEnabled": false  "LDAPAuthorizationEnabled": false  } |

* Create Domain Template

1.Authenticate and get the API key

2. Get enterprise ID

3.Create domain template

|  |  |
| --- | --- |
| URL & Request type | POST  https://209.91.90.135:8443/nuage/api/v3\_2/enterprises/f2dcec7d-1e2b-4b92-b714-a6c3c63c1b3a/domaintemplates |
| Headers | X-Nuage-Organization: csp  Authorization: XREST Y3Nwcm9vdDo4ZWY3ZGNmYy0xMTAwLTQ5ZDQtOWFkOS0zN2FjMTg2MGZjMzI=  Content-Type: application/json |
| Values | {  "associatedMulticastChannelMapID" : null,  "description" : "New Domain Template",  "encryption" : "DISABLED",  "multicast" : "DISABLED",  "name" : "NewdomainTemplate",  "policyChangeStatus" : null  } |
| response | 201: Created  {  "children": null  "parentType": "enterprise"  "entityScope": "ENTERPRISE"  "lastUpdatedBy": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "lastUpdatedDate": 1456168382087  "creationDate": 1456168382087  "name": "NewdomainTemplate"  "description": "New Domain Template"  "policyChangeStatus": null  "encryption": "DISABLED"  "owner": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "ID": "766594cc-a1c8-4c1b-b285-6f5fe8a1ff3b"  "parentID": "f2dcec7d-1e2b-4b92-b714-a6c3c63c1b3a"  "externalID": null  "multicast": "DISABLED"  "associatedMulticastChannelMapID": null  } |

* Add Domain

1. Authenticate and get the API key

2. Get enterprise ID and template ID from get enterprises and get domainTemplate request. Note that the template ID should be the same as the ID of domainTemplate

3. Create domain

|  |  |
| --- | --- |
| URL & Request type | POST  https://209.91.90.135:8443/nuage/api/v3\_2/enterprises/f2dcec7d-1e2b-4b92-b714-a6c3c63c1b3a/domains |
| Headers | X-Nuage-Organization: csp  Authorization: XREST Y3Nwcm9vdDo4ZWY3ZGNmYy0xMTAwLTQ5ZDQtOWFkOS0zN2FjMTg2MGZjMzI=  Content-Type: application/json |
| Values | {  "maintenanceMode": "DISABLED",  "templateID": "766594cc-a1c8-4c1b-b285-6f5fe8a1ff3b",  "customerID": null,  "serviceID": null,  "routeTarget": null,  "routeDistinguisher": null,  "description": "Python Test3",  "name": "NewDomain",  "owner": null,  "parentType": null,  "parentID": null,  "externalID": null,  "ID": null  } |
| response | 201: Created  {  "children": null  "parentType": "enterprise"  "entityScope": "ENTERPRISE"  "lastUpdatedBy": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "lastUpdatedDate": 1456169140671  "creationDate": 1456169140671  "routeDistinguisher": "65534:2462"  "routeTarget": "65534:25613"  "name": "NewDomain"  "description": "Python Test3"  "maintenanceMode": "DISABLED"  "dhcpServerAddresses": null  "underlayEnabled": "DISABLED"  "applicationDeploymentPolicy": "NONE"  "policyChangeStatus": null  "backHaulRouteDistinguisher": "65534:19111"  "backHaulRouteTarget": "65534:34191"  "backHaulVNID": 152963  "importRouteTarget": "65534:25613"  "exportRouteTarget": "65534:25613"  "encryption": "DISABLED"  "owner": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "ID": "44008b43-21af-47f9-b1f5-c6bd09e1fbca"  "parentID": "f2dcec7d-1e2b-4b92-b714-a6c3c63c1b3a"  "externalID": null  "serviceID": 20029  "customerID": 10006  "DHCPBehavior": "CONSUME"  "DHCPServerAddress": null  "secondaryDHCPServerAddress": null  "labelID": 9  "multicast": "DISABLED"  "PATEnabled": "DISABLED"  "associatedMulticastChannelMapID": null  "stretched": false  "tunnelType": "VXLAN"  "ECMPCount": 1  "templateID": "766594cc-a1c8-4c1b-b285-6f5fe8a1ff3b"  "uplinkPreference": "PRIMARY\_SECONDARY"  "globalRoutingEnabled": false  "leakingEnabled": false  "permittedAction": null  } |

* Add Zone

1. Authenticate and get the API key

2. Get enterprise ID and corresponding domain ID

3. Add Zone

|  |  |
| --- | --- |
| URL & Request type | POST  https://209.91.90.135:8443/nuage/api/v3\_2/domains/44008b43-21af-47f9-b1f5-c6bd09e1fbca/zones |
| Headers | X-Nuage-Organization: csp  Authorization: XREST Y3Nwcm9vdDo4ZWY3ZGNmYy0xMTAwLTQ5ZDQtOWFkOS0zN2FjMTg2MGZjMzI=  Content-Type: application/json |
| Values | {  "maintenanceMode": "DISABLED",  "templateID": null,  "customerID": null,  "serviceID": null,  "routeTarget": null,  "routeDistinguisher": null,  "description": "API Test1",  "name": "zone1",  "owner": null,  "parentType": null,  "parentID": null,  "externalID": null,  "ID": null  } |
| response | 201: Created  {  "children": null  "parentType": "domain"  "entityScope": "ENTERPRISE"  "lastUpdatedBy": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "lastUpdatedDate": 1456169678348  "creationDate": 1456169678348  "address": null  "netmask": null  "name": "zone1"  "description": "API Test1"  "maintenanceMode": "DISABLED"  "publicZone": false  "encryption": "INHERITED"  "owner": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "ID": "eb9c8f01-4e23-4fb3-a16b-62339aea4b2d"  "parentID": "44008b43-21af-47f9-b1f5-c6bd09e1fbca"  "externalID": null  "IPType": "IPV4"  "numberOfHostsInSubnets": 0  "associatedApplicationObjectType": null  "associatedApplicationObjectID": null  "associatedApplicationID": null  "templateID": null  "policyGroupID": 12  "multicast": "INHERITED"  "associatedMulticastChannelMapID": null  } |

* Add Subnets

1. Authenticate and get the API key

2. Get enterprise ID and corresponding domain ID, then get the zone ID

3. Add Subnet

|  |  |
| --- | --- |
| URL & Request type | POST  https://209.91.90.135:8443/nuage/api/v3\_2/zones/eb9c8f01-4e23-4fb3-a16b-62339aea4b2d/subnets |
| Headers | X-Nuage-Organization: csp  Authorization: XREST Y3Nwcm9vdDo4ZWY3ZGNmYy0xMTAwLTQ5ZDQtOWFkOS0zN2FjMTg2MGZjMzI=  Content-Type: application/json |
| Values | {  "splitSubnet": null,  "proxyARP": null,  "netmask": "255.255.255.0",  "name": "subnet1",  "multicast": "INHERITED",  "IPType": "IPV4",  "gateway": "10.1.1.1",  "description": null,  "associatedMulticastChannelMapID": null,  "address": "10.1.1.0",  "parentType": null,  "parentID": null,  "owner": null,  "ID": null,  "externalID": null  } |
| response | 201: Created  {  "children": null  "parentType": "zone"  "entityScope": "ENTERPRISE"  "lastUpdatedBy": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "lastUpdatedDate": 1456169931361  "creationDate": 1456169931361  "address": "10.1.1.0"  "netmask": "255.255.255.0"  "name": "subnet1"  "gateway": "10.1.1.1"  "description": null  "maintenanceMode": "DISABLED"  "routeDistinguisher": "65534:11382"  "routeTarget": "65534:24144"  "vnId": 991047  "underlayEnabled": "INHERITED"  "splitSubnet": false  "encryption": "INHERITED"  "owner": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "ID": "69173861-bfed-4036-b549-bc8ab027ff9f"  "parentID": "eb9c8f01-4e23-4fb3-a16b-62339aea4b2d"  "externalID": null  "IPType": "IPV4"  "serviceID": 20031  "associatedApplicationObjectType": null  "associatedApplicationObjectID": null  "associatedApplicationID": null  "gatewayMACAddress": "68:54:ED:00:00:01"  "PATEnabled": "INHERITED"  "policyGroupID": 12  "public": false  "templateID": null  "associatedSharedNetworkResourceID": null  "proxyARP": false  "multicast": "INHERITED"  "associatedMulticastChannelMapID": null  } |

* Add Bridge Vports

1. Authenticate and get the API key

2. Get enterprise ID, then get corresponding domain ID, then get the zone ID, then get the subnet ID

3. Get the NSGgateways of the enterprise

|  |  |
| --- | --- |
| URL & Request type | GET https://209.91.90.135:8443/nuage/api/v3\_2/enterprises/3338ae3e-2cf7-4c70-a3ca-873e0de95bb5/nsgateways |
| Headers | X-Nuage-Organization: csp  Authorization: XREST Y3Nwcm9vdDp0ZWx1czEyMw== |
| Values |  |
| response | 200 OK0:  {  "children": null  "parentType": "enterprise"  "entityScope": "ENTERPRISE"  "lastUpdatedBy": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "lastUpdatedDate": 1453153758000  "creationDate": 1453153758000  "bootstrapStatus": "NOTIFICATION\_APP\_REQ\_SENT"  "personality": "NSG"  "ports": null  "pending": false  "enterpriseID": "3338ae3e-2cf7-4c70-a3ca-873e0de95bb5"  "name": "nsg1"  "description": null  "owner": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "ID": "04d72557-6fff-400b-9643-0ec2dbba3f58"  "parentID": "3338ae3e-2cf7-4c70-a3ca-873e0de95bb5"  "externalID": null  "bootstrapID": "181b39a5-7e9a-450b-bd41-30db45c14431"  "locationID": "cb6fd349-ed88-4963-8aae-c0d20d08b03c"  "configurationReloadState": "UNKNOWN"  "configurationStatus": "UNKNOWN"  "NATTraversalEnabled": false  "datapathID": "0B1C9A4D"  "associatedGatewaySecurityID": "a0542481-9a39-41e2-9abf-7a678405e8da"  "associatedGatewaySecurityProfileID": "b7bb24e1-7c1b-4c39-9070-84a9e489bb21"  "templateID": "f20a7603-b0a1-45aa-aa40-439d0b6f68d5"  "permittedAction": "ALL"  "autoDiscGatewayID": null  "redundancyGroupID": null  "systemID": "11.28.154.77"  }  {  "children": null  "parentType": "enterprise"  "entityScope": "ENTERPRISE"  "lastUpdatedBy": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "lastUpdatedDate": 1455286586000  "creationDate": 1455286586000  "bootstrapStatus": "NOTIFICATION\_APP\_REQ\_SENT"  "personality": "NSG"  "ports": null  "pending": false  "enterpriseID": "3338ae3e-2cf7-4c70-a3ca-873e0de95bb5"  "name": "nsg2"  "description": null  "owner": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "ID": "62ffa615-2e66-42b0-b506-c6d0e71943a2"  "parentID": "3338ae3e-2cf7-4c70-a3ca-873e0de95bb5"  "externalID": null  "bootstrapID": "ab1eb259-6dda-4b9c-971c-6e0204b232e6"  "locationID": "bb752fac-b605-45dc-ad89-37a652173377"  "configurationReloadState": "UNKNOWN"  "configurationStatus": "UNKNOWN"  "NATTraversalEnabled": true  "datapathID": "8DCE66C6"  "associatedGatewaySecurityID": "4bc671ea-f4cf-492d-a643-9534ee647321"  "associatedGatewaySecurityProfileID": "ff60b4ab-950c-41d3-bb26-ef0ae9f69e46"  "templateID": "f20a7603-b0a1-45aa-aa40-439d0b6f68d5"  "permittedAction": "ALL"  "autoDiscGatewayID": null  "redundancyGroupID": null  "systemID": "141.206.102.198"  } |

1. Get NSPorts ID of the NSG gateway

|  |  |
| --- | --- |
| URL & Request type | GET https://209.91.90.135:8443/nuage/api/v3\_2/nsgateways/62ffa615-2e66-42b0-b506-c6d0e71943a2/nsports |
| Headers | X-Nuage-Organization: csp  Authorization: XREST Y3Nwcm9vdDp0ZWx1czEyMw== |
| Values |  |
| response | 200 OK  {  "children": null  "parentType": "nsgateway"  "entityScope": "ENTERPRISE"  "lastUpdatedBy": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "lastUpdatedDate": 1455286586000  "creationDate": 1455286586000  "name": "Port1-WAN"  "physicalName": "port1"  "portType": "NETWORK"  "associatedRedundantPortID": null  "status": "INITIALIZED"  "userMnemonic": null  "useUserMnemonic": false  "description": null  "owner": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "ID": "6c8a82dd-8604-4e4c-b53c-9fe11531574c"  "parentID": "62ffa615-2e66-42b0-b506-c6d0e71943a2"  "externalID": null  "templateID": "1a63d26d-b334-4de8-81e2-69dd648e66c8"  "infrastructureProfileID": "d42e3ecd-e4ad-490e-9c30-5f51c10d916d"  "associatedVSCProfileID": "993d2fe5-491b-43de-8490-924fe00f2a25"  "permittedAction": "ALL"  "VLANRange": ""  "associatedEgressQOSPolicyID": null  }  {  "children": null  "parentType": "nsgateway"  "entityScope": "ENTERPRISE"  "lastUpdatedBy": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "lastUpdatedDate": 1455286586000  "creationDate": 1455286586000  "name": "Port2-LAN"  "physicalName": "port2"  "portType": "ACCESS"  "associatedRedundantPortID": null  "status": "INITIALIZED"  "userMnemonic": null  "useUserMnemonic": false  "description": null  "owner": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "ID": "44acc3c6-a576-4405-9822-c8c96b39803c"  "parentID": "62ffa615-2e66-42b0-b506-c6d0e71943a2"  "externalID": null  "templateID": "c7aedf3b-893e-4506-8fa9-e3ada04d59ad"  "infrastructureProfileID": "d42e3ecd-e4ad-490e-9c30-5f51c10d916d"  "associatedVSCProfileID": null  "permittedAction": "ALL"  "VLANRange": "0-4094"  "associatedEgressQOSPolicyID": null  }  {  "children": null  "parentType": "nsgateway"  "entityScope": "ENTERPRISE"  "lastUpdatedBy": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "lastUpdatedDate": 1455286586000  "creationDate": 1455286586000  "name": "Port3-LAN"  "physicalName": "port3"  "portType": "ACCESS"  "associatedRedundantPortID": null  "status": "INITIALIZED"  "userMnemonic": null  "useUserMnemonic": false  "description": null  "owner": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "ID": "6c25d820-8126-48af-9888-0d129f99e95d"  "parentID": "62ffa615-2e66-42b0-b506-c6d0e71943a2"  "externalID": null  "templateID": "5e58ff8a-bed9-4605-834f-c511f44bc56f"  "infrastructureProfileID": "d42e3ecd-e4ad-490e-9c30-5f51c10d916d"  "associatedVSCProfileID": null  "permittedAction": "ALL"  "VLANRange": "0-4094"  "associatedEgressQOSPolicyID": null  }  {  "children": null  "parentType": "nsgateway"  "entityScope": "ENTERPRISE"  "lastUpdatedBy": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "lastUpdatedDate": 1455286586000  "creationDate": 1455286586000  "name": "Port4-LAN"  "physicalName": "port4"  "portType": "ACCESS"  "associatedRedundantPortID": null  "status": "INITIALIZED"  "userMnemonic": null  "useUserMnemonic": false  "description": null  "owner": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "ID": "940181b9-3925-45e5-9ca5-cbf88d6740d0"  "parentID": "62ffa615-2e66-42b0-b506-c6d0e71943a2"  "externalID": null  "templateID": "86b5738f-42b8-437a-b0a7-b2efdf7825a4"  "infrastructureProfileID": "d42e3ecd-e4ad-490e-9c30-5f51c10d916d"  "associatedVSCProfileID": null  "permittedAction": "ALL"  "VLANRange": "0-4094"  "associatedEgressQOSPolicyID": null  } |

1. Get VLan ID of the NSPorts

|  |  |
| --- | --- |
| URL & Request type | GET  https://209.91.90.135:8443/nuage/api/v3\_2/nsports/6c25d820-8126-48af-9888-0d129f99e95d/vlans |
| Headers | X-Nuage-Organization: csp  Authorization: XREST Y3Nwcm9vdDp0ZWx1czEyMw== |
| Values |  |
| response | 200 OK  {  "children": null  "parentType": "nsport"  "entityScope": "ENTERPRISE"  "lastUpdatedBy": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "lastUpdatedDate": 1455286586000  "creationDate": 1455286586000  "status": "INITIALIZED"  "userMnemonic": null  "useUserMnemonic": false  "description": null  "owner": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "ID": "3725934f-535d-497b-9313-cf1de55c6f25"  "parentID": "6c25d820-8126-48af-9888-0d129f99e95d"  "externalID": null  "value": 0  "templateID": "1a3b12e0-c61c-4b28-80cc-fa1aa9a0fd3c"  "gatewayID": "62ffa615-2e66-42b0-b506-c6d0e71943a2"  "permittedAction": "ALL"  "vportID": "651569a9-942f-4344-97e8-62b9ad44772b"  "readonly": false  "restricted": false  "associatedEgressQOSPolicyID": null  } |

1. Use the Vlan ID to create Bridge Vports

|  |  |
| --- | --- |
| URL & Request type | POST  https://209.91.90.135:8443/nuage/api/v3\_2/enterprises/f2dcec7d-1e2b-4b92-b714-a6c3c63c1b3a/domaintemplates |
| Headers | X-Nuage-Organization: csp  Authorization: XREST Y3Nwcm9vdDo4ZWY3ZGNmYy0xMTAwLTQ5ZDQtOWFkOS0zN2FjMTg2MGZjMzI=  Content-Type: application/json |
| Values | {  "active" : null,  "addressSpoofing":"ENABLED",  "associated\_floating\_ip\_id" : null,  "associated\_multicast\_channel\_map\_id" : null,  "description" : "New Port",  "domain\_id" : null,  "has\_attached\_interfaces" : null,  "multi\_nic\_vport\_id" : null,  "multicast" : null,  "name" : "NewPort",  "operational\_state" : null,  "send\_multi\_cast\_channel\_map\_id" : null,  "system\_type" : null,  "type" : "BRIDGE",  "VLANID" : "3725934f-535d-497b-9313-cf1de55c6f25",  "zone\_id" : null  } |
| response | 201: Created  {  "children": null  "parentType": "subnet"  "entityScope": "ENTERPRISE"  "lastUpdatedBy": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "lastUpdatedDate": 1455983960622  "creationDate": 1455983960622  "name": "NewPort"  "description": " New Port"  "type": "BRIDGE"  "systemType": "SOFTWARE"  "addressSpoofing": "ENABLED"  "active": false  "operationalState": "INIT"  "owner": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "ID": "651569a9-942f-4344-97e8-62b9ad44772b"  "parentID": "c6d7d64c-3575-4ed2-984b-53977b9cae68"  "externalID": null  "domainID": "e55e79d8-4207-4910-8d53-6d5dc3d08142"  "zoneID": "58f4306b-8ede-4b09-a5ff-f0e938acfdef"  "multiNICVPortID": null  "VLANID": "3725934f-535d-497b-9313-cf1de55c6f25"  "associatedFloatingIPID": null  "hasAttachedInterfaces": false  "multicast": "INHERITED"  "associatedMulticastChannelMapID": null |

* Add Bridge Interface

1. Authenticate and get the API key

2. Get enterprise ID and corresponding domain ID, then get the zone ID, subnet ID, and the Vport ID

3. Add Bridge Interface

|  |  |
| --- | --- |
| URL & Request type | POST  https://209.91.90.135:8443/nuage/api/v3\_2/vports/651569a9-942f-4344-97e8-62b9ad44772b/bridgeinterfaces |
| Headers | X-Nuage-Organization: csp  Authorization: XREST Y3Nwcm9vdDo4ZWY3ZGNmYy0xMTAwLTQ5ZDQtOWFkOS0zN2FjMTg2MGZjMzI=  Content-Type: application/json |
| Values | {  "associatedFloatingIPAddress" : null,  "attachedNetworkID" : null,  "attachedNetworkType" : null,  "domainID" : null,  "domainName" : null,  "gateway" : null,  "name" : "BridgeInterface",  "netmask" : null,  "networkName" : null,  "policyDecisionID" : null,  "tierID" : null,  "VPortID" : null,  "VPortName" : null,  "zoneID" : null,  "zoneName" : null  } |
| response | 201: Created  {  "children": null  "parentType": "vport"  "entityScope": "ENTERPRISE"  "lastUpdatedBy": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "lastUpdatedDate": 1456172564177  "creationDate": 1456172564177  "name": "BridgeInterface"  "policyDecisionID": "eeb313ba-db30-46a7-bdcf-0f9cffacfd51"  "domainName": "Grace\_L3D1"  "zoneName": "Zone Template 0"  "attachedNetworkType": "SUBNET"  "netmask": "255.255.255.0"  "gateway": "10.1.1.1"  "networkName": "subnet1"  "owner": "8a6f0e20-a4db-4878-ad84-9cc61756cd5e"  "ID": "113c2572-ae75-4e4c-a176-7ff6ae0b7697"  "parentID": "651569a9-942f-4344-97e8-62b9ad44772b"  "externalID": null  "associatedFloatingIPAddress": null  "domainID": "e55e79d8-4207-4910-8d53-6d5dc3d08142"  "attachedNetworkID": "c6d7d64c-3575-4ed2-984b-53977b9cae68"  "zoneID": "58f4306b-8ede-4b09-a5ff-f0e938acfdef"  "VPortID": "651569a9-942f-4344-97e8-62b9ad44772b"  "tierID": null  "VPortName": "NewPort"  } |