Sample Tenant Configuration File

Sample Configuration File for Single Tenant

As described in Configure VIM Tenants, tenant configuration parameters are contained in the VIM Artifact Descriptor (vim-artifact).

⚠️ **Caution** This is only a sample configuration file provided solely for your reference. You must create and modify your own configuration file according to the specific needs of your deployment.

In 6.3, the multi-tenants are supported per VNF but this feature was not fully qualified. It was made available only for testing purposes. You can define multiple tenants according to the specific needs of your deployment. If the configuration file includes more than one tenant, then multiple VNF instances are deployed in different tenants in a single "site" leveraging a single VIM. See the following section for an example configuration for multi-tenants.

```
nsd nsd1
vim-identity vim_one
vim-artifact vim_one_artifact
!
secure-token cimc
user $8$6FMSIVcieTXcXeCV4V37zQlwnoHIA/xNgQFKLmygL0Y=
password $8$y1KOa2J9Qt487Ew8iUxkKbpzzUL3/0Wr0wqxe/KQXdA=
!
secure-token stack
user $8$oeUvS7KN3eThSmvj4S7e9/NT+cxSlfwm2BcRsQKoIcs=
password $8$Ry5Grth2Bc5Vaojx+HgMUVcBPEX69khyC5V8CnkX4LY=
!
secure-token ssh-baremetal
user $8$jwA0KuwOA6a7z9iFoBFGw6Pd+Np6sKhtw/IKX0iFXzc=
password $8$TO5mcj4yPSIpCoQCSG1tcgwq9rZ14WGBavsUnuJ3/5Q=
!
secure-token vim-admin-creds
user $8$WU2Q6jMIKA/C5tozjt/+M3L29heHstM0x68E80RQ6ME=
password $8$prN66xSTFb+5CU4fM2Cej5BcZnOhxJUibj8/gMxuBMM=
!
secure-token sjc-core
user $8$FwHBmHTaIBE3TZ1cZHb2bizvT0Plelj6awh0A2i7yHA=
password $8$OoEWoe7/hJjhjox1SDdJnf81eIO4i+9ZeGIeHlMYNpE=
!
vim vim_one
api-version v2
auth-url http://172.21.203.31:5000/v2.0
user vim-admin-creds
tenant admin
```

```
!
tenantd sjccore
login-credential sjc-core
tenant-role admin
tenant-quota no-of-instances-allowed 10000
tenant-quota no-of-cores-allowed 200000
tenant-quota no-of-injected-files 300000
tenant-quota no-of-injected-files-content-in-bytes 400000
tenant-quota megabytes-of-ram-allowed 500000000
tenant-quota no-of-floating-ips 600
tenant-quota max-no-of-subnets-allowed 700
tenant-quota max-no-of-ports-allowed 8000
tenant-quota no-of-volumes-allowed 900
tenant-quota volumes-allowed-gb 10000
tenant-quota volumes-backup-size-allowed 20000
!
vim-artifactd vim_one_artifact
tenant sjccore
!
```

Sample Multi-tenant Configuration File

☞

Important   In 6.3, the multi-tenant support for VNF was not fully qualified, and was made available only for testing purposes. For more information, contact your Cisco Accounts representative.

You can define the tenants according to the specific needs of your deployment. If the configuration file includes more than one tenant, then multiple VNF instances are deployed in different tenants in a single "site" leveraging a single VIM.

⚠

Caution   This is only a sample configuration file provided solely for your reference. You must create and modify your own configuration file according to the specific needs of your deployment.

```
uas-instance autoit-sun
 external-connection-point 10.105.248.35
 scm                       scm
!
nsd autovnf
 vim-identity vim1
 vim-artifact vim_artifact_one
 vnf-package  [ usp_6_3 ]
 require      [ autoit-sun ]
 vld mgmt
  vl-type         management
  network-instance management
 !
 vld orch
  vl-type         orchestration
  network-instance orchestration
 !
 vld service
  vl-type service
  network abc-service
 !
 vld service1
  vl-type service
  network abc-service-1
 !
```

```
vnfd vnfd-em
 vnf-type         uem
 version          6.3
 high-availability true
 vnfm vnfd vnfd-esc
 cloud-info vnfm vnfd vnfd-esc
 configuration boot-time 1800
 configuration domain-name cisco.com
 configuration set-vim-instance-name true
 configuration dns-server 1.1.1.1
 !
 external-connection-point vnfc-em
  connection-point eth0
  floating-ip disabled
 !
 vnfc vnfc-em
  health-check enabled
  health-check probe-frequency 10
  health-check probe-max-miss 6
  health-check retry-count 6
  health-check recovery-type restart-then-redeploy
  health-check boot-time 300
  vdu vdu-id vdu-em
  number-of-instances 2
  connection-point eth0
   virtual-link service-vl mgmt
  !
  connection-point eth1
   virtual-link service-vl orch
  !
 !
!
vnfd vnfd-esc
 vnf-type         esc
 version          6.3
 high-availability true
 configuration openstack.endpoint publicURL
 configuration secure-login false
 configuration boot-time 1800
 configuration set-vim-instance-name true
 external-connection-point vnfc-esc
  connection-point eth0
  floating-ip disabled
 !
 vnfc vnfc-esc
  health-check disabled
  health-check boot-time 300
  vdu vdu-id vdu-esc
  connection-point eth0
   virtual-link service-vl mgmt
  !
  connection-point eth1
   virtual-link service-vl orch
  !
 !
!
vnfd vnfd-vpc1
 vnf-type         ugp-standalone
 version          6.3
 high-availability true
 cloud-info vnfm vnfd vnfd-esc
 cloud-info vim vim3
 cloud-info vnf-em vnfd vnfd-em
 configuration internal-network-mtu 1500
```

```
configuration boot-time 1800
configuration domain-name cisco.com
configuration set-vim-instance-name true
configuration dns-server 1.1.1.1
!
vld di_internal1
 network-instance di-internal1
!
vld di_internal2
 network-instance di-internal2
!
external-connection-point vnfc-cf1
 connection-point eth1
 floating-ip disabled
!
vnfc vnfc-cf1
 health-check enabled
 health-check probe-frequency 10
 health-check probe-max-miss 6
 health-check retry-count 6
 health-check recovery-type restart-then-redeploy
 health-check boot-time 300
 vdu vdu-id vdu-cf1
 number-of-instances 1
 aggregate-connection-points DI_INTERFACE
  aggregate-connection-point eth0
  !
  aggregate-connection-point eth3
  !
 !
 connection-point eth0
  virtual-link internal-vl di_internal1
 !
 connection-point eth1
  virtual-link service-vl mgmt
 !
 connection-point eth2
  virtual-link service-vl orch
 !
 connection-point eth3
  virtual-link internal-vl di_internal2
 !
!
vnfc vnfc-sf1
 health-check enabled
 health-check probe-frequency 10
 health-check probe-max-miss 6
 health-check retry-count 6
 health-check recovery-type restart-then-redeploy
 health-check boot-time 300
 vdu vdu-id vdu-sf1
 number-of-instances 1
 aggregate-connection-points DI_INT
  aggregate-connection-point eth0
  !
  aggregate-connection-point eth3
  !
 !
 connection-point eth0
  virtual-link internal-vl di_internal1
 !
 connection-point eth1
  virtual-link service-vl orch
 !
```

```
    connection-point eth2
     virtual-link service-vl service1
     !
    connection-point eth3
     virtual-link internal-vl di_internal2
     !
   !
  !
 vnfd vnfd-vpc3
  vnf-type         ugp-standalone
  version          6.3
  high-availability true
  cloud-info vnfm vnfd vnfd-esc
  cloud-info vim vim2
  cloud-info vnf-em vnfd vnfd-em
  configuration internal-network-mtu 1500
  configuration boot-time 1800
  configuration domain-name cisco.com
  configuration set-vim-instance-name true
  configuration dns-server 1.1.1.1
  !
  vld di_internal1
   network-instance di-internal1
  !
  vld di_internal2
   network-instance di-internal2
  !
  external-connection-point vnfc-cf3
   connection-point eth1
   floating-ip disabled
  !
  vnfc vnfc-cf3
   health-check enabled
   health-check probe-frequency 10
   health-check probe-max-miss 6
   health-check retry-count 6
   health-check recovery-type restart-then-redeploy
   health-check boot-time 300
   vdu vdu-id vdu-cf3
   number-of-instances 1
   aggregate-connection-points DI_INTERFACE
    aggregate-connection-point eth0
     !
    aggregate-connection-point eth3
     !
   !
   connection-point eth0
    virtual-link internal-vl di_internal1
   !
   connection-point eth1
    virtual-link service-vl mgmt
   !
   connection-point eth2
    virtual-link service-vl orch
   !
   connection-point eth3
    virtual-link internal-vl di_internal2
   !
  !
  vnfc vnfc-sf3
   health-check enabled
   health-check probe-frequency 10
   health-check probe-max-miss 6
   health-check retry-count 6
```

```
            health-check recovery-type restart-then-redeploy
            health-check boot-time 300
            vdu vdu-id vdu-sf3
            number-of-instances 1
            aggregate-connection-points DI_INT
             aggregate-connection-point eth0
             !
             aggregate-connection-point eth3
             !
            !
            connection-point eth0
             virtual-link internal-vl di_internal1
             !
            connection-point eth1
             virtual-link service-vl orch
             !
            connection-point eth2
             virtual-link service-vl service
             !
            connection-point eth3
             virtual-link internal-vl di_internal2
             !
           !
          !
        !
       nsd autoit-sun
        vim-identity vim1
        vim-artifact vim_artifact_one
        vnf-package  [ usp_6_3 ]
        vld mgmt
         vl-type          management
         network-instance management
         !
        vld orch
         vl-type          orchestration
         network-instance orchestration
         !
        vnfd sun-autovnf
         vnf-type         usp-uas
         version          6.3
         high-availability true
         deploy-nsd        autovnf
         configuration boot-time 1800
         configuration set-vim-instance-name true
         external-connection-point avf
          connection-point eth0
          floating-ip enabled
          floating-ip external-network public
         !
         vnfc avf
          health-check disabled
          health-check boot-time 300
          vdu vdu-id autovnf
          connection-point eth0
           virtual-link service-vl mgmt
           !
          connection-point eth1
           virtual-link service-vl orch
           !
         !
        !
       !
       secure-token login
        user     $8$HjP/ha1KqDij6DCUZEN0RmyOquG5ZGv6wzfgS8Gc9yw=
```

```
 password $8$Y0kJt7G9L81QFGbqzTBo424a1wq0Q9tqckytZQI5YDo=
!
secure-token scm-admin
 user     $8$H4e9LO2wH2+W/x4Dhh7Sm8nWxT2lxi803le2wN/2fMA=
 password $8$KnJiA3at2nfQJk0BEMFDeG+AamCzrE58Fy6ES6lVUfc=
!
secure-token scm-oper
 user     $8$p9gUigD91WLAAEiVXjZLyHK8Isfg2nJGDwH4YZt7MQ0=
 password $8$zDMX8pKBbbXKrc+w67QGt+RnWcz+kG889ojcwwWsKNI=
!
secure-token scm-security
 user     $8$zye2UX+dvdgMY7oq7Jt5EEgH+XLdWhIfzeZXB4Mp6m8=
 password $8$EvcKiLx5SQTvuQKHmW0Innf60EZSuOSgakvXTIsFpKA=
!
secure-token em_login
 user     $8$OE7NrSx9PMy7GEB2Q4duuIMHC+OykguGTubnHevTeM4=
 password $8$dUWpjhV5zmf8aDmFu/M+QR/erkZS21VKQ54OsDVLhnw=
!
secure-token staros
 user     $8$Dlu3t/25edeXfBoB3n+VbJ+laDC+adLHiV6e5CuVLaE=
 password $8$TTMWXGFdNl4/fUM7MmVMxgwc5tSTk/IeIqDQ2fpby6w=
!
secure-token esc_netconf
 user     $8$qpXG2yQn59+fPOJg3UwDvNSAzmSwyLeipVxLg60OjQQ=
 password $8$Vb1DSZTpGgx/BNCrFtCLktXBnfKsItJFyAjah6CW7zI=
!
secure-token esc_login
 user     $8$UyWzOYED0lBSrdev9abCnUTtv066fE05m/zDWX16dDg=
 password $8$clHxnO39EkIYeJ4Xsf/bxhxtjgD6cMfRu7QpOWw3fpo=
!
secure-token cf_login
 user     $8$Jvv7tzTAgYX+xR6R513j+v1ugw4qqWud50wj5CsJYek=
 password $8$nG1g/JwIoTWXOKXi/6INEswp9V6PavzopVP2SL626T8=
!
secure-token cimc
 user     $8$g+55KovPpwPbEIyPt+4U91g9DWCWyxElSeQYy50SFg8=
 password $8$iMMdmt9irY6Bk0f5LzuNao3qbgUQMsgVEhazz9PDWzc=
!
secure-token stack
 user     $8$f64QjkNw+i1AHAvGxp4456jFF/aFJevtqgShUTPd2NY=
 password $8$nVn9rkDbPtOGbkxCG5DcK//6yM1iYqjv0DNg0iiiXxM=
!
secure-token ssh-baremetal
 user     $8$61+cdWMEPftZoNRLS5bMTQbGZ/8MD+wgebQBTWgrzwk=
 password $8$VQB8LSuTyE5DzMe3LKZiHSIH/H7AXKldZMYFP1YAS+w=
!
secure-token vim-tenant1-creds
 user     $8$55owGww93Gu2ChBFUqSnJbU5/5P+/4BKe3Bh7jjWWQQ=
 password $8$5481U+r4vjNuIFTwniSKjkdzXxch1pjgkSJCASFG2F4=
!
secure-token vim-tenant2-creds
 user     $8$tO57wgc4Mq4IVLKkofwtK+hgo5zz879/14l6O9BJ9+o=
 password $8$5iFf3mr3njU9EeNXVRohN5ntrUe8luUapW5gNpMQg5M=
!
secure-token vim-tenant3-creds
 user     user1
 password Cisco@123
!
secure-token os_admin
 user     $8$io2sCUXjMkW4IuMNw+JUtAs8lQlm9E63Hwu9qrmX81Q=
 password $8$QgG0xeJsqCF0FJ1Ps7h7tnY3+KJJ1iY7Jy/nFLFaqfI=
!
scm scm
 admin    scm-admin
```

```
 oper      scm-oper
 security scm-security
 !
vnf-packaged usp_6_3
 location          /home/ubuntu/usp-6_3_M0-1234-MK.iso
 validate-signature false
 configuration staros
  external-url /home/ubuntu/system.cfg
  !
 !
vdu vdu-esc
 vdu-type          cisco-esc
 login-credential   esc_login
 netconf-credential esc_netconf
 image vnf-package
 vnf-rack          vnf-rack1
 vnf-package primary usp_6_3
 flavor vcpus    2
 flavor ram      4096
 flavor root-disk 40
 flavor ephemeral-disk 0
 flavor swap-disk 0
 !
vdu vdu-em
 vdu-type          element-manager
 login-credential em_login
 scm               scm
 image vnf-package
 vnf-rack          vnf-rack1
 vnf-package primary usp_6_3
 flavor vcpus    2
 flavor ram      4096
 flavor root-disk 40
 flavor ephemeral-disk 0
 flavor swap-disk 0
 !
vdu vdu-cf1
 vdu-type          control-function
 login-credential cf_login
 image vnf-package
 vnf-rack          vnf-rack1
 vnf-package primary usp_6_3
 flavor vcpus    8
 flavor ram      16384
 flavor root-disk 40
 flavor ephemeral-disk 0
 flavor swap-disk 0
 upp param DI_INTERFACE_VLANID
  value 2116


 !
 ned netconf
  ned-id         cisco-staros-nc
  port-number    830
  authentication staros
 !
configuration staros_config.txt
 apply-at day-zero
 package  staros
 !
 volume boot cf-boot
 volume storage cf-cdr
 !
```

```
!
vdu vdu-cf2
 vdu-type         control-function
 login-credential cf_login
 image vnf-package
 vnf-rack         vnf-rack1
 vnf-package primary usp_6_3
 flavor vcpus   8
 flavor ram     16384
 flavor root-disk 40
 flavor ephemeral-disk 0
 flavor swap-disk 0
 upp param DI_INTERFACE_VLANID
  value 2116


 !
 ned netconf
  ned-id        cisco-staros-nc
  port-number   830
  authentication staros
 !
 configuration staros_config.txt
  apply-at day-zero
  package  staros
 !
 volume boot cf-boot
 volume storage cf-cdr
 !
!
vdu vdu-sf1
 vdu-type session-function
 image vnf-package
 vnf-rack vnf-rack1
 vnf-package primary usp_6_3
 flavor vcpus   12
 flavor ram     16384
 flavor root-disk 6144
 flavor ephemeral-disk 0
 flavor swap-disk 0
 upp cores      30
 upp crypto-cores 0
 upp service-mode vpc
 upp disable-mcdma false
 upp disable-numa false
 upp param DI_INTERFACE_VLANID
  value 2116
 !
 upp param IFTASK_CORES
  value 30
 !

!
vdu vdu-sf2
 vdu-type session-function
 image vnf-package
 vnf-rack vnf-rack1
 vnf-package primary usp_6_3
 flavor vcpus   12
 flavor ram     16384
 flavor root-disk 6144
 flavor ephemeral-disk 0
 flavor swap-disk 0
 upp cores      30
```

```
   upp crypto-cores 0
   upp service-mode vpc
   upp disable-mcdma false
   upp disable-numa false
   upp param DI_INTERFACE_VLANID
    value 2116
    !
   upp param IFTASK_CORES
    value 30
    !

  !
 vdu autovnf
  vdu-type         automation-service
  login-credential login
  scm              scm
  image vnf-package
  vnf-rack         vnf-rack1
  vnf-package primary usp_6_3
  flavor vcpus    2
  flavor ram      4096
  flavor root-disk 40
  flavor ephemeral-disk 0
  flavor swap-disk 0
 !
 vdu vdu-cf3
  vdu-type         control-function
  login-credential cf_login
  image vnf-package
  vnf-rack         vnf-rack1
  vnf-package primary usp_6_3
  flavor vcpus    8
  flavor ram      16384
  flavor root-disk 40
  flavor ephemeral-disk 0
  flavor swap-disk 0
  upp param DI_INTERFACE_VLANID
   value 2116


  !
  ned netconf
   ned-id         cisco-staros-nc
   port-number    830
   authentication staros
   !
  configuration staros_config.txt
   apply-at day-zero
   package  staros
   !
  volume boot cf-boot
  volume storage cf-cdr
  !
 !
 vdu vdu-sf3
  vdu-type session-function
  image vnf-package
  vnf-rack vnf-rack1
  vnf-package primary usp_6_3
  flavor vcpus    12
  flavor ram      16384
  flavor root-disk 6144
  flavor ephemeral-disk 0
  flavor swap-disk 0
```

```
upp cores      30
upp crypto-cores 0
upp service-mode vpc
upp disable-mcdma false
upp disable-numa false
upp param DI_INTERFACE_VLANID
 value 2116
 !
upp param IFTASK_CORES
 value 30
 !

!
volume cf-boot
 type              LUKS
 size              4
 bus               ide
 bootable          true
 preserve-on-upgrade false
!
volume cf-cdr
 type              LUKS
 size              16
 bus               ide
 bootable          false
 preserve-on-upgrade false
!
network abc-service
 ip-prefix 192.168.5.0/24
 type     vlan
 dhcp     true
 gateway  192.168.5.1
!
network abc-service-1
 ip-prefix 192.168.9.0/24
 type     vlan
 dhcp     true
 gateway  192.168.9.1
!
vnf-rackd vnf-rack1
 host-aggregate abc-host
  host tb1ano-compute-0.localdomain
  !
  host tb1ano-compute-1.localdomain
  !
  host tb1ano-compute-10.localdomain
  !
  host tb1ano-compute-11.localdomain
  !
  host tb1ano-compute-2.localdomain
  !
  host tb1ano-compute-3.localdomain
  !
  host tb1ano-compute-4.localdomain
  !
  host tb1ano-compute-5.localdomain
  !
  host tb1ano-compute-6.localdomain
  !
  host tb1ano-compute-7.localdomain
  !
  host tb1ano-compute-8.localdomain
  !
  host tb1ano-compute-9.localdomain
```

```
  !
 !
!
vim vim1
 api-version v2
 auth-url    http://172.21.201.218:5000/v2.0
 user        vim-tenant1-creds
 tenant      tenant1
!
vim vim2
 api-version v2
 auth-url    http://172.21.201.218:5000/v2.0
 user        vim-tenant2-creds
 tenant      tenant2
!
vim vim3
 api-version v2
 auth-url    http://172.21.201.218:5000/v2.0
 user        vim-tenant3-creds
 tenant      tenant3
!
network-instance di-internal1
 ip-prefix 192.168.1.0/24
 type      sriov-flat
 dhcp      true
 vlan-tag  true
 vlan      2116
!
network-instance di-internal2
 ip-prefix 192.168.2.0/24
 type      sriov-flat
 dhcp      true
 vlan-tag  false
!
network-instance management
 ip-prefix 10.177.7.0/24
 type      vlan
 dhcp      true
 gateway   10.177.7.1
!
network-instance orchestration
 ip-prefix 172.177.7.0/24
 type      vlan
 dhcp      true
 gateway   172.177.7.1
!
vim-artifactd vim_artifact_one
 vnf-rack [ vnf-rack1 ]
 !
```