Sample AutoVNF VNF Configuration File

The AutoVNF file includes all the configuration information required to deploy all the VNF components. The AutnuoVNF configuration file dictates the deployment of the AutoVNF. For information on the parameters, see the *Cisco Ultra Services Platform NETCONF API Guide*.

The file below is an example of AutoVNF configuration file to bring up the AutoVNF within Ultra M deployments based on OSP 10 and that leverage the Hyper-Converged architecture.

⚠️

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.

```
-snip-
uas-mode standalone
nsd vpc
 vld mgmt
  vl-type           management
  network-instance mgmt
 !
 vld orch
  vl-type           orchestration
  network-instance orch
 !
 vld svc
  vl-type           service
  network-instance service1
 !
 vnfd pgw
  vnf-type          ugp
  version           6.0
  high-availability true
  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-internal
   network-instance di-internal2
  !
  external-connection-point cf
   connection-point eth1
   ip-address       32.32.32.201
  !
  external-connection-point em
```

```
            connection-point eth0
            ip-address       31.31.31.110
           !
          vnfc em
           health-check enabled
           health-check probe-frequency 10
           health-check probe-max-miss 6
           health-check retry-count 3
           health-check recovery-type restart-then-redeploy
           health-check boot-time 300
           vdu vdu-id em
           vdu image em_image
           vdu flavor em_flvor
           number-of-instances 3
           connection-point eth0
            virtual-link service-vl orch
            virtual-link fixed-ip 31.31.31.111
            !
            virtual-link fixed-ip 31.31.31.112
            !
            virtual-link fixed-ip 31.31.31.113
            !
           !
          !
          vnfc cf
           health-check enabled
           health-check probe-frequency 10
           health-check probe-max-miss 6
           health-check retry-count 3
           health-check recovery-type restart-then-redeploy
           health-check boot-time 300
           vdu vdu-id cf
           vdu image cf_image
           vdu flavor cf_flavor
           number-of-instances 1
           volume boot cf-boot-volumes
           volume storage cf-cdr-volumes
           !
           connection-point eth0
            virtual-link internal-vl di-internal
           !
           connection-point eth1
            virtual-link service-vl mgmt
           !
           connection-point eth2
            virtual-link service-vl orch
           !
          !
          vnfc sf
           health-check enabled
           health-check probe-frequency 10
           health-check probe-max-miss 6
           health-check retry-count 3
           health-check recovery-type restart-then-redeploy
           health-check boot-time 300
           vdu vdu-id sf
           vdu image sf_image
           vdu flavor sf_flavor
           number-of-instances 2
           connection-point eth0
            virtual-link internal-vl di-internal
           !
           connection-point eth1
            virtual-link service-vl orch
```

```
     !
     connection-point eth2
      virtual-link service-vl svc
      !
     !
   !
 !
secure-token em_login
 user     $8$h2p6wBGvyLyG6PJ+1sLcCblNdYZ0G2Ak/PELpAliuNA=
 password $8$DQpFSWRlPGXCsyY6z23JETYo2eCvpoP4I3htPfcI14Q=
!
secure-token cf_login
 user     $8$cZSBwQoEP/iFTjZ8npYtUXiwIrRLoWbnPtDq/2lzFvY=
 password $8$WOnJ0Ug0tdfxsV61G59QBax2YTmqE7NZi/ATR757QgU=
!
secure-token scm-admin
 user     $8$P35TDpFReR+aQZGoq11B7d9CCy7taqenoveYdEoaOjc=
 password $8$rD3O0S75m+G3AYds9o86xoV921Y8/OFSIM8aQ06w9+Q=
!
secure-token scm-oper
 user     $8$V2KoPEOcwgECEkv8P/UeXtG6P8r4LVWScJZlc1sBQVs=
 password $8$osruKvpKho28t+InZL8fKXVgql3eMKmufLFl4MOcdC8=
!
secure-token scm-security
 user     $8$ab6FCW9tewTeRTAuobg62MHLMysv4+WJ+acPOYhkIOI=
 password $8$g8QqV0KkdLH09K6A7rLDfF16g6Drrc7FFXe8LKzJo8c=
!
secure-token openstack
 user     $8$IV7e6WN+92ByeHjUsNUzavctpqYwfJi8w7iphYUkhT4=
 password $8$9WRej/z1HeBDmJbsoUQEHQnP6K2f0w9q/TVz5RAvoD4=
!
scm scm
 admin    scm-admin
 oper     scm-oper
 security scm-security
!
vdu esc
 vdu-type          cisco-esc
 login-credential   esc_nc
 netconf-credential esc_nc
 image url none
 flavor vcpus   2
 flavor ram    4096
 flavor root-disk 40
 flavor ephemeral-disk 0
 flavor swap-disk 0
 configuration bootvm
  apply-at   day-zero
  source-url file:///opt/cisco/usp/bundles/vnfm-bundle/bootvm-3_1_0_116.py
 !
!
vdu em
 vdu-type         element-manager
 login-credential em_login
 scm              scm
 image url none
 flavor vcpus   2
 flavor ram    4096
 flavor root-disk 40
 flavor ephemeral-disk 0
 flavor swap-disk 0
!
vdu cf
 vdu-type         control-function
 login-credential cf_login
```

```
           image url none
           flavor vcpus   8
           flavor ram     16384
           flavor root-disk 40
           flavor ephemeral-disk 0
           flavor swap-disk 0
           ned netconf
            ned-id          cisco-staros-nc
            port-number    830
            authentication cf_login
            !
           configuration staros_config.txt
            apply-at   day-zero
            source-url file:///home/ubuntu/system.cfg
            !
          !
          vdu sf
           vdu-type session-function
           image url none
           flavor vcpus   8
           flavor ram     16384
           flavor root-disk 16
           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
          !
          network orch
           ip-prefix 11.11.11.0/24
           type      vlan
           dhcp      true
          !
          volume-instance-group cf-boot-volumes
           volume CF1-VOLUME-BOOT
            type     LUKS
            bootable true
            !
           volume CF2-VOLUME-BOOT
            type     LUKS
            bootable true
            !
          !
          volume-instance-group cf-cdr-volumes
           volume CF1-VOLUME-CDR
            type     LUKS
            bootable false
            !
           volume CF2-VOLUME-CDR
            type     LUKS
            bootable false
            !
          !
          network-instance mgmt
           ip-prefix 32.32.32.0/24
           type      vlan
           dhcp      false
           ip-allocation-pool 32.32.32.200 32.32.32.210
           !
          !
          network-instance orch
           ip-prefix 31.31.31.0/24
```

```
     type      vlan
     dhcp      false
     ip-allocation-pool 31.31.31.200 31.31.31.210
     !
    !
    network-instance di-internal2
     ip-prefix 192.168.2.0/24
     type      sriov-flat
     dhcp      true
     gateway   192.168.2.1
     vlan-tag  true
     vlan      2111
    !
    network-instance di_internal_bh
     ip-prefix 36.36.36.0/24
     type      vlan
     dhcp      true
    !
    network-instance service1
     ip-prefix 192.168.3.0/24
     type      sriov-flat
     dhcp      true
     vlan-tag  true
     vlan      2111
    !
    network-instance service_bh
     ip-prefix 37.37.37.0/24
     type      vlan
     dhcp      true
    !
    -snip-
```