



## 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 or OSP 13 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 servicel
  !
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  $8$DQpFSWR1PGXCsyY6z23JETYo2eCvpoP4I3htPfcI14Q=
!
secure-token cf_login
user      $8$cZSBwQoEP/iFTjZ8npYtUXiWIrRLoWbnPtDq/2lzFvY=
password  $8$WOnJ0Ug0tdfxsV6lG59QBax2YTmqE7Nzi/ATR757QgU=
!
secure-token scm-admin
user      $8$P35TDpFRer+aQZGoq11B7d9CCy7taqenoveYdEoaOjc=
password  $8$rD300S75m+G3AYds9o86xoV921Y8/OFSIM8aQ06w9+Q=
!
secure-token scm-oper
user      $8$V2KoPEOcwgECEkv8P/UeXtG6P8r4LVWScJZlclsbQVs=
password  $8$osruKvpKho28t+InZL8fKXVgq13eMKmufLF14MOcdC8=
!
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-
```

