



# Sample VIM Orchestrator and VIM Configuration File

This configuration file dictates the deployment of the VIM Orchestrator (Undercloud) and the VIM (Overcloud). For information on the parameters, see the *Cisco Ultra Services Platform NETCONF API Guide*.

The file below is an example of a combined VIM Orchestrator and VIM configuration file. The configuration in this file brings up a single OSP-D VM on the Ultra M Manager Node within Ultra M deployments based on OSP 10 and that leverage the Hyper-Converged architecture. It also deploys the VIM and related parameters on the Controller, OSP Compute, and Compute nodes.



## 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 such as:

- Secure-tokens
- NFVI PoP details
- VIM orchestrator details
- Networking details
- Server flavors and information
- Satellite or CDN server information
- VIM role and node information

```
uas-mode generic
uas-instance vim-vimorch
  external-connection-point 172.21.203.118
  scm                        scm
!
nsd vim-vimorch
  vim-orch  underc
  vim      overc
!
secure-token cimc
  user      admin
  password *****
!
secure-token stack
```

```

user      stack
password *****
!
secure-token ssh-baremetal
user      nfvi
password *****
!
secure-token os-login
user      admin
password *****
!
vimd overc
vim-orch-id underc
nfvi-pop-id sjc-pop
nfvi-nodes node_1
  role vim-compute
!
nfvi-nodes node_2
  role vim-controller
!
nfvi-nodes node_3
  role vim-controller
!
nfvi-nodes node_4
  role vim-osd-compute
!
nfvi-nodes node_5
  role vim-osd-compute
!
nfvi-nodes node_6
  role vim-osd-compute
!
networking dns [ 171.70.168.183 ]
networking ntp 172.24.167.109
networking vlan-pool start 1001
networking vlan-pool end 2000
networking network-types internal-api
ip-prefix 11.120.0.0/24
vlan-id 20
allocation-pool start 11.120.0.10
allocation-pool end 11.120.0.200
!
networking network-types tenant
ip-prefix 11.117.0.0/24
vlan-id 17
allocation-pool start 11.117.0.10
allocation-pool end 11.117.0.200
!
networking network-types storage
ip-prefix 11.118.0.0/24
vlan-id 18
allocation-pool start 11.118.0.10
allocation-pool end 11.118.0.200
!
networking network-types storage-mgmt
ip-prefix 11.119.0.0/24
vlan-id 19
allocation-pool start 11.119.0.10
allocation-pool end 11.119.0.200
!
networking network-types external
ip-prefix 172.21.203.0/24
vlan-id 101
allocation-pool start 172.21.203.125

```

```
allocation-pool end 172.21.203.150
default-route 172.21.203.1
!
!
nfvi-popd sjc-pop
deployment-flavor ucs-1-vnf
nfvi-node node_0
physical-server-manager ip-address 192.100.1.1
physical-server-manager login-credential cimc
!
nfvi-node node_1
physical-server-manager ip-address 192.100.1.2
physical-server-manager login-credential cimc
!
nfvi-node node_2
physical-server-manager ip-address 192.100.1.3
physical-server-manager login-credential cimc
!
nfvi-node node_3
physical-server-manager ip-address 192.100.1.4
physical-server-manager login-credential cimc
!
nfvi-node node_4
physical-server-manager ip-address 192.100.1.5
physical-server-manager login-credential cimc
!
nfvi-node node_5
physical-server-manager ip-address 192.100.1.6
physical-server-manager login-credential cimc
!
nfvi-node node_6
physical-server-manager ip-address 192.100.1.7
physical-server-manager login-credential cimc
!
!
vim-orchd underc
hostname          tb3-undercloud
domain-name       cisco.com
dns               [ 171.70.168.183 ]
login-credential  stack
satellite-server ip-address 10.23.252.119
satellite-server hostname rh-satellite
satellite-server domain-name cisco.com
satellite-server organization ultram
satellite-server activation-key "openstack 10"
satellite-server pool-id 8a977cf75c0ca9df015d2ce1cb4d06ab
satellite-server release-version 7.5
external-network ip-address 172.21.203.119
external-network netmask 255.255.255.0
provisioning-network ip-address 192.200.0.1
provisioning-network netmask 255.0.0.0
provisioning-network public-vip 192.200.0.2
provisioning-network admin-vip 192.200.0.3
provisioning-network dhcp-ip-range start 192.200.0.101
provisioning-network dhcp-ip-range end 192.200.0.150
provisioning-network inspection-ip-range start 192.200.0.201
provisioning-network inspection-ip-range end 192.200.0.250
network-cidr      192.0.0.0/8
masquerade-network 192.0.0.0/8
nfvi-node pop-id sjc-pop
nfvi-node id      node_0
nfvi-node ip-address 172.21.203.116
nfvi-node login-credential ssh-baremetal
image            /var/cisco/isos/rhel-server-7.3-x86_64-dvd.iso
```

```
flavor vcpus 4
flavor ram 16384
flavor root-disk 100
flavor ephemeral-disk 0
flavor swap-disk 0
!
```