



Sample VIM Configuration File

The VIM configuration file dictates the deployment of the VIM (OpenStack). The parameters within the file are derived from a YANG model as described in [AutoDeploy Configuration File Constructs](#).

The file below is an example of an VIM configuration file to bring up the VIM 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 such as:

- Secure-tokens
- NFVI PoP details
- VIM details
- VIM node details
- Site details
- Networking details
- Service deployment details

```
!! ## FOR CDN SERVER secure-token autonfvi-subscription ## !!
! user      ultra-m-install
! password *****
!
secure-token autonfvi-admin-netconf
  user      admin
  password *****
!
secure-token autonfvi-oper-netconf
  user      oper
  password *****
!
secure-token autoit-nfvi-ospd
  user      stack
  password *****
!
secure-token autoit-nfvi-login
  user      ubuntu
  password *****
!
secure-token cimc-login
  user      admin
  password *****
```

```

!
secure-token ssh-baremetal
  user      nfvi
  password *****
!
nfvi-popd uws-nfvi-pop
deployment-flavor ucs-1-vnf
nfvi-node autoit-nfvi-physical-node
  description nfvi-pop
  ! physical-network-interface [ 00:2c:c8:da:29:4b ]
  physical-server-manager ip-address 192.100.3.1
  physical-server-manager login-credential cimc-login
!
nfvi-node node_1
  physical-server-manager ip-address 192.100.3.5
  physical-server-manager login-credential cimc-login
!
nfvi-node node_2
  physical-server-manager ip-address 192.100.3.6
  physical-server-manager login-credential cimc-login
!
nfvi-node node_3
  physical-server-manager ip-address 192.100.3.7
  physical-server-manager login-credential cimc-login
!
nfvi-node node_4
  physical-server-manager ip-address 192.100.3.8
  physical-server-manager login-credential cimc-login
!
nfvi-node node_5
  physical-server-manager ip-address 192.100.3.9
  physical-server-manager login-credential cimc-login
!
nfvi-node node_6
  physical-server-manager ip-address 192.100.3.10
  physical-server-manager login-credential cimc-login
!
nfvi-node node_7
  physical-server-manager ip-address 192.100.3.11
  physical-server-manager login-credential cimc-login
!
nfvi-node node_8
  physical-server-manager ip-address 192.100.3.12
  physical-server-manager login-credential cimc-login
!
nfvi-node node_9
  physical-server-manager ip-address 192.100.3.13
  physical-server-manager login-credential cimc-login
!
nfvi-node node_10
  physical-server-manager ip-address 192.100.3.14
  physical-server-manager login-credential cimc-login
!
nfvi-node node_11
  physical-server-manager ip-address 192.100.3.15
  physical-server-manager login-credential cimc-login
!
nfvi-node node_12
  physical-server-manager ip-address 192.100.3.16
  physical-server-manager login-credential cimc-login
!
nfvi-node node_13
  physical-server-manager ip-address 192.100.3.17
  physical-server-manager login-credential cimc-login
!
nfvi-node node_14
  physical-server-manager ip-address 192.100.3.18
  physical-server-manager login-credential cimc-login
!
nfvi-node node_15
  physical-server-manager ip-address 192.100.3.19
  physical-server-manager login-credential cimc-login
!

```

```

nfvi-node node_16
  physical-server-manager ip-address 192.100.3.20
  physical-server-manager login-credential cimc-login
!
nfvi-node node_17
  physical-server-manager ip-address 192.100.3.21
  physical-server-manager login-credential cimc-login
!
nfvi-node node_18
  physical-server-manager ip-address 192.100.3.22
  physical-server-manager login-credential cimc-login
!
nfvi-node node_19
  physical-server-manager ip-address 192.100.3.23
  physical-server-manager login-credential cimc-login
!
nfvi-node node_20
  physical-server-manager ip-address 192.100.3.24
  physical-server-manager login-credential cimc-login
!
nfvi-node node_21
  physical-server-manager ip-address 192.100.3.25
  physical-server-manager login-credential cimc-login
!
nfvi-node node_22
  physical-server-manager ip-address 192.100.3.26
  physical-server-manager login-credential cimc-login
!
!
vim-orchd sjc-vim-orch
  hostname          sjc-undercloud-AB
  domain-name       cisco.com
  dns               [ 171.70.168.183 ]
  login-credential  autoit-nfvi-ospd
  !! ## SATELLITE-SERVER-CONFIG ## !!
  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 8a977cf75c0ca9df015d2celcb4d06ab
  external-network ip-address 172.25.22.56
  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         id autoit-nfvi-physical-node
  nfvi-node         ip-address 172.25.22.59
  nfvi-node         login-credential ssh-baremetal
  !! ## CDN SERVER CONFIG ## !! cdn-server login-credential subs cdn-server proxy
  proxy-wsa.esl.cisco.com:80 cdn-server pool-id 8a85f9815788809a01578b1e1cbd2275 ! ##
  SUBSCRIPTION MANAGER
  ! (DEV SETUP) ## !! subscription-manager login-credential autonfvi-subscription
  subscription-manager proxy proxy-wsa.esl.cisco.com:80 !
  image              /home/ubuntu/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
!
vimd vnfl-vim
  nfvi-nodes node_1
    role vim-controller
  !
  nfvi-nodes node_2

```

```

    role vim-controller
!
nfvi-nodes node_3
  role vim-controller
!
nfvi-nodes node_4
  role vim-compute
!
nfvi-nodes node_5
  role vim-compute
!
nfvi-nodes node_6
  role vim-compute
!
nfvi-nodes node_7
  role vim-compute
!
nfvi-nodes node_8
  role vim-compute
!
nfvi-nodes node_9
  role vim-compute
!
nfvi-nodes node_10
  role vim-compute
!
nfvi-nodes node_11
  role vim-compute
!
nfvi-nodes node_12
  role vim-compute
!
nfvi-nodes node_13
  role vim-compute
!
nfvi-nodes node_14
  role vim-compute
!
nfvi-nodes node_15
  role vim-compute
!
nfvi-nodes node_16
  role vim-compute
!
nfvi-nodes node_17
  role vim-compute
!
nfvi-nodes node_18
  role vim-compute
!
nfvi-nodes node_19
  role vim-compute
!
nfvi-nodes node_20
  role vim-osd-compute
!
nfvi-nodes node_21
  role vim-osd-compute
!
nfvi-nodes node_22
  role vim-osd-compute
!
networking dns [ 171.70.168.183 ]
networking ntp 172.24.167.109
networking vlan-pool start 20
networking vlan-pool end 200
networking network-types internal-api
ip-prefix 11.120.0.0/24
  vlan-id 20
  allocation-pool start 11.120.0.40
  allocation-pool end 11.120.0.200
!
networking network-types tenant

```

```
ip-prefix 11.117.0.0/24
vlan-id 17
allocation-pool start 11.117.0.40
allocation-pool end 11.117.0.200
!
networking network-types storage
ip-prefix 11.118.0.0/24
vlan-id 18
allocation-pool start 11.118.0.40
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 11.119.0.40
allocation-pool end 11.119.0.200
!
networking network-types external
ip-prefix 172.25.22.0/24
vlan-id 522
allocation-pool start 172.25.22.61
allocation-pool end 172.25.22.70
default-route 172.25.22.1
!
!
sited auto-test-sjc
!auto-it-vim type openstack
!auto-it-vim auth-url http://172.25.22.67:5000/v2.0
!auto-it-vim tenant core
auto-it-nfvi scm-admin autonfvi-admin-netconf
auto-it-nfvi scm-oper autonfvi-oper-netconf
auto-it-nfvi ip-address 172.25.22.60
auto-it-nfvi authentication-info autoit-nfvi-login
nfvi-pop uws-nfvi-pop
vim-orch sjc-vim-orch
vim vnfl-vim
!
service-deployment north-east
description "Single site multiple Vnfs ServiceDeployment"
sited auto-test-sjc
site-ref auto-test-sjc
!
!
```

