



INIT Examples

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Onboarding CPS vDRA on OpenStack Using ESC

Before configuring ESC to launch CPS vDRA VNF, ensure that below requirements are fulfilled.

- The qcow2 image has been onboarded on OpenStack.
- Identify the names of deployment in data model, VM groups, flavors and image name.
- Network – Identify the network (internal, external, management, IPs, subnets, interface IDs, DHCP pool etc.) that are going to be used for various VMs, and make sure that these networks are configured in OpenStack.
- The configuration data – Identify the initial configuration for a given type of VM, and nature of the VM (e.g. master, control etc.). Also, from where the configuration is to be loaded.

Master Cloud Init Example

```
#cloud-config
debug: True
output: {all: '| tee -a /var/log/cloud-init-output.log'}

users:
- name: cps
  sudo: ['ALL=(ALL) NOPASSWD:ALL']
  groups: docker
  ssh-authorized-keys:
  - ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQDzjJjndIvUiBt
a4VSibd2gJmlMwCQ8wtejgAbiXtoFZdtMdo9G0ZDEOtxHNNDPwWujMiYAkZh
ZWX/zON9raavU8lgD9+YcRopWUtujIC71YjtoxIjWIBBbrtqtPlUXMUXQsi91
RQbUtslENP+tSatS3awoQupyBMMSutyBady/7Wq0UTwFsnYs5Jfs8jIQumfV
Q9uJ4mNn7wJON+Iaf27rE0t3oiY5DRN6j07WhauM6lCnZ1JD1zqmTnTHQkg
J3uKmQa5x73tJ1OW89Whf+R+dfs1Vn/yUwK/vf4extHTn32Dtsxkjz7kQeED
gCe/y7owimaEFcCIfEWEaj/50jegN cps@root-public-key
chpasswd:
  list: |
```

```

    cps:cisco123
    expire: False
  write_files:
  - path: /root/swarm.json
    content: |
      {
        "role": "master",
        "identifier": "master-0",
        "master": "172.16.2.11",
        "network": "172.16.2.0/24",
        "registry": "172.16.2.11:5000",
        "consul": "172.16.2.11:8500",
        "reinitialize_data": "1",
        "zing": "1",
        "tenant": "esc",
        "weavePw": "cisco123",
        "esc": "172.18.11.122",
        "escUser": "admin",
        "escPw": "admin",
        "scheduler": "ha",
        "deployment_name": "docker-pcrf",
        "init": "cisco-policy-pcrf/init",
        "cluster_id": "cluster-1",
        "system_id": "system-1"
      }
    owner: root:root
    permissions: '0644'
  - path: /etc/update-motd.d/20-cps-text
    content: |
      #!/bin/sh
      product=`jq ".product" /mnt/install/swarm.json | tr -d "'`
      identifier=`jq ".identifier" /mnt/install/swarm.json | tr -d "'`

      printf "\n"
      printf " * CPS Microservices - ${product}\n"
      printf " * CPS Docker Engine - ${identifier}\n"
      printf "\n"
    owner: root:root
    permissions: '0755'

```

Worker Cloud Init Example

```

#cloud-config
debug: True
output: {all: '| tee -a /var/log/cloud-init-output.log'}

users:
  - name: cps
    sudo: ['ALL=(ALL) NOPASSWD:ALL']
    groups: docker
    ssh-authorized-keys:
      - ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQDzjJndIvUi
        Bta4VSId2gJmlMWcQ8wtejgAbiXtoFZdtMdo9G0ZDEotxHNNdPwWujMi
        YAkZh2WX/zON9raavU8lgD9+YcRopWUtujIC71YjtoxIjWIBBbrtqtPLU
        XMUXQsi91RQbUts1ENP+tSats3awoQupyBMMsutyBady/7Wq0UTwFsnYs
        5Jfs8jIQuMFVQ9uJ4mNn7wJ0N+Iaf27re0t3oiY5DRN6j07WhauM6lCnZ
        1JDlZqmTnTHQkgJ3uKmQa5x73tJ1OW89Whf+R+dfs1Vn/yUwK/vf4extHT
        n32Dtsxkjz7kQeEDgCe/y7owimaEFcCIFEWEaj/50jegN
    cps@root-public-key
  chpasswd:
    list: |
      cps:cisco123
    expire: False
  write_files:
  - path: /root/swarm.json
    content: |
      {
        "role": "pcrf",
        "identifier": "pcrf-0",

```

```
        "master": "172.16.2.11",
        "network": "172.16.2.0/24",
        "registry": "172.16.2.11:5000",
        "consul": "172.16.2.11:8500",
        "reinitialize_data": "1",
        "zing": "1"
    }
owner: root:root
permissions: '0644'
- path: /etc/update-motd.d/20-cps-text
content: |
    #!/bin/sh
    product=`jq ".product" /root/swarm.json | tr -d "'`
    identifier=`jq ".identifier" /root/swarm.json | tr -d "'`

    printf "\n"
    printf " * CPS Microservices - ${product}\n"
    printf " * CPS Docker Engine - ${identifier}\n"
    printf "\n"
owner: root:root
permissions: '0755'
```

