Installation MiniOne

Virtualisation, MiniOne, install

Minione est une installation OpenNebula de test sur un seul noeud. L'installation est simplifiée au maximum. C'est un simple script bash à lancer et qui se charge de tout installer.

1/3

Prérequis

Nous utilisons une installation minimale de Debian 11 sur une machine dédiée.

Récupération du script

Pour télécharger le script

```
wget
'https://github.com/OpenNebula/minione/releases/latest/download/minione'
```

Installation front-end + hyperviseur KVM

Pour installer Sunstone (le front-end) et un hyperviseur KVM pour gérer les VMs

```
# bash minione
```

le check de l'hôte se lance

```
### Checks & detection
Checking cpu virtualization capabilities SKIP QEMU will be used
Checking augeas is installed SKIP will try to install
Checking curl is installed SKIP will try to install
Checking add-apt-repository is available SKIP will try to install
Checking iptables are installed SKIP will try to install
Checking bridge-utils are installed SKIP will try to install
Checking apt-transport-https is installed SKIP will try to install
Checking if gnupg is installed SKIP will try to install
Checking AppArmor SKIP will try to modify
Checking for present ssh key SKIP
Checking (iptables|netfilter)-persistent are installed SKIP will try to
install
Checking docker is installed SKIP will try to install
Checking python3-pip is installed SKIP will try to install
Checking ansible SKIP will try to install
Checking terraform SKIP will try to install
Checking unzip is installed SKIP will try to install
```

```
### Main deployment steps:
Install OpenNebula frontend version 6.4
Install Terraform
Install Docker
Configure bridge minionebr with IP 172.16.100.1/24
Enable NAT over eno1
Modify AppArmor
Install OpenNebula KVM node
Export appliance and update VM template
Install augeas-tools curl software-properties-common iptables bridge-utils
apt-transport-https gnupg iptables-persistent netfilter-persistent python3-
pip unzip
Install pip 'ansible==2.9.9'
Do you agree? [yes/no]:
```

Si tout est ok, saisissez "yes", et appuyez sur la touche entrée pour lancer l'installation.

Installation Updating APT cache OK Install augeas-tools curl software-properties-common iptables bridge-utils apt-transport-https gnupg iptables-persistent netfilter-persistent python3pip unzip OK Updating PIP 0K Install from PyPI 'ansible==2.9.9' 0K Creating bridge interface minionebr 0K Bring bridge interfaces up OK Enabling IPv4 forward OK Persisting IPv4 forward OK Configuring NAT using iptables 0K Saving iptables changes OK Installing DNSMasg OK Starting DNSMasg 0K Configuring repositories 0K Updating APT cache OK Installing OpenNebula packages 0K Installing opennebula-provision package 0K Installing TerraForm OK Create docker packages repository 0K Install docker OK Start docker service OK Enable docker service OK Installing OpenNebula kvm node packages 0K Updating AppArmor OK Disable default libvirtd networking 0K Restart libvirtd OK ### Configuration

Generating ssh keypair in /root/.ssh-oneprovision/id_rsa

0K

20/08/2025 13:03

Add oneadmin to docker group 0K Update network hooks 0K Switching OneGate endpoint in oned.conf OK Switching OneGate endpoint in onegate-server.conf OK Switching keep empty bridge on in OpenNebulaNetwork.conf 0K Switching scheduler interval in oned.conf 0K Switching to QEMU emulation OK Setting initial password for current user and oneadmin OK Changing WebUI to listen on port 80 0K Switching FireEdge public endpoint OK Starting OpenNebula services 0K Enabling OpenNebula services 0K Add ssh key to oneadmin user 0K Update ssh configs to allow VM addresses reusing OK Ensure own hostname is resolvable OK Checking OpenNebula is working OK Disabling ssh from virtual network 0K Adding localhost ssh key to known hosts 0K Testing ssh connection to localhost 0K Updating datastores template OK Creating KVM host OK Restarting OpenNebula 0K Creating virtual network OK Exporting [Alpine Linux 3.14] from Marketplace to local datastore 0K Waiting until the image is ready OK Updating VM template OK ### Report OpenNebula 6.4 was installed Sunstone is running on: http://xxx.xxx.xxx.xxx/ FireEdge is running on: http://xxx.xxx.xxx.2616/ Use following to login: user: oneadmin password: xxxxxxxxx

Le mot de passe est stocké également dans le fichier /var/lib/one/.one/one_auth.

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