

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.

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 python3-
pip unzip OK
Updating PIP OK
Install from PyPI 'ansible==2.9.9' OK
Creating bridge interface minionebr OK
Bring bridge interfaces up OK
Enabling IPv4 forward OK
Persisting IPv4 forward OK
Configuring NAT using iptables OK
Saving iptables changes OK
Installing DNSMasq OK
Starting DNSMasq OK
Configuring repositories OK
Updating APT cache OK
Installing OpenNebula packages OK
Installing opennebula-provision package OK
Installing TerraForm OK
Create docker packages repository OK
Install docker OK
Start docker service OK
Enable docker service OK
Installing OpenNebula kvm node packages OK
Updating AppArmor OK
Disable default libvirtd networking OK
Restart libvirtd OK

### Configuration
Generating ssh keypair in /root/.ssh-oneprovision/id_rsa OK
```

```
Add oneadmin to docker group OK
Update network hooks OK
Switching OneGate endpoint in oned.conf OK
Switching OneGate endpoint in onegate-server.conf OK
Switching keep_empty_bridge on in OpenNebulaNetwork.conf OK
Switching scheduler interval in oned.conf OK
Switching to QEMU emulation OK
Setting initial password for current user and oneadmin OK
Changing WebUI to listen on port 80 OK
Switching FireEdge public endpoint OK
Starting OpenNebula services OK
Enabling OpenNebula services OK
Add ssh key to oneadmin user OK
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 OK
Adding localhost ssh key to known_hosts OK
Testing ssh connection to localhost OK
Updating datastores template OK
Creating KVM host OK
Restarting OpenNebula OK
Creating virtual network OK
Exporting [Alpine Linux 3.14] from Marketplace to local datastore OK
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.xxx:2616/
Use following to login:
  user: oneadmin
  password: xxxxxxxxxxxx
```

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

From:
<https://wiki.grohub.org/> - **Grohub wiki**

Permanent link:
<https://wiki.grohub.org/infrastructure/virtualisation/opennebula/minione-install>

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