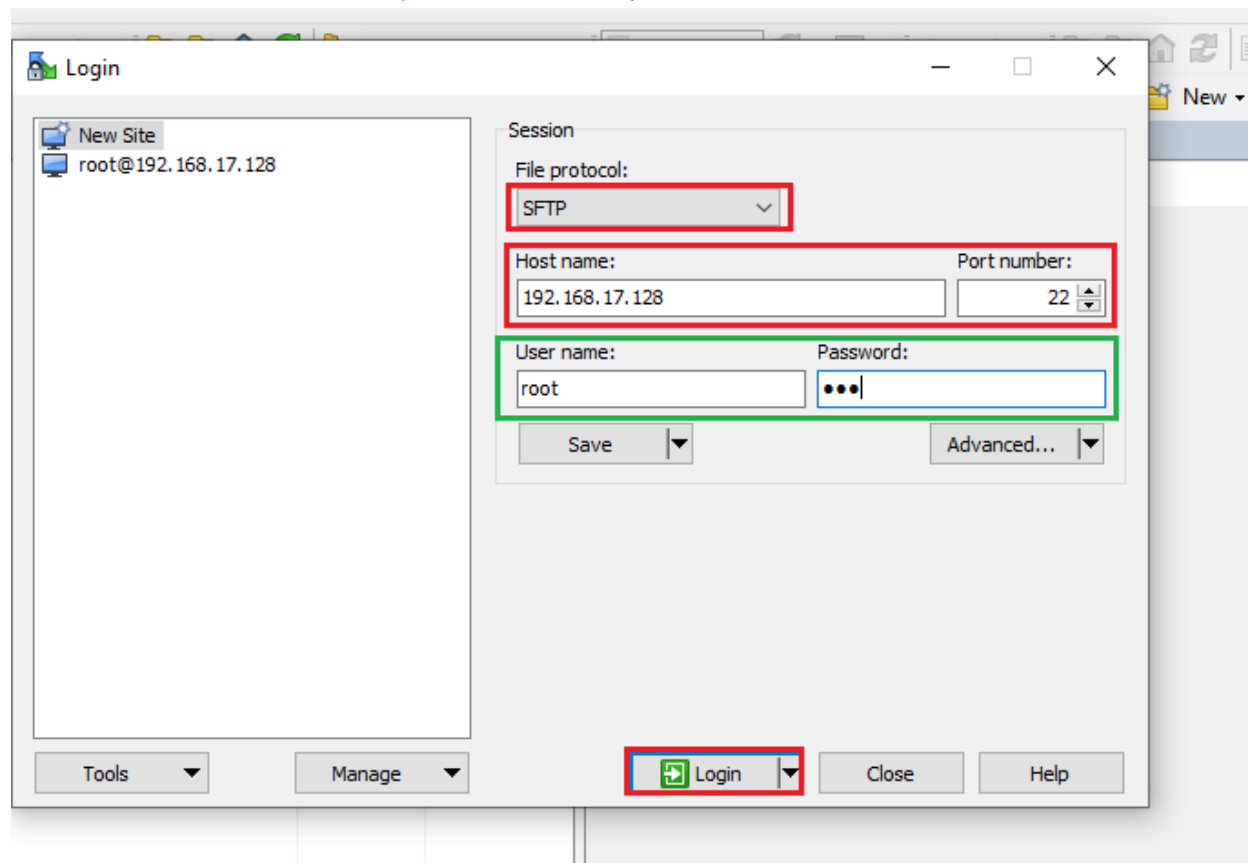
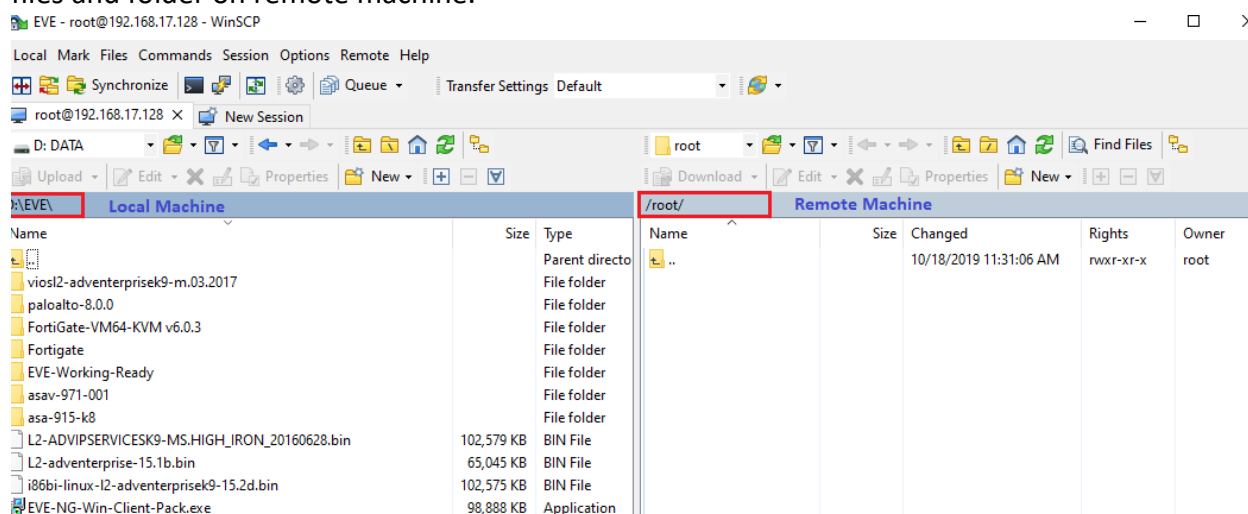


Upload FortiManager in EVE-NG:

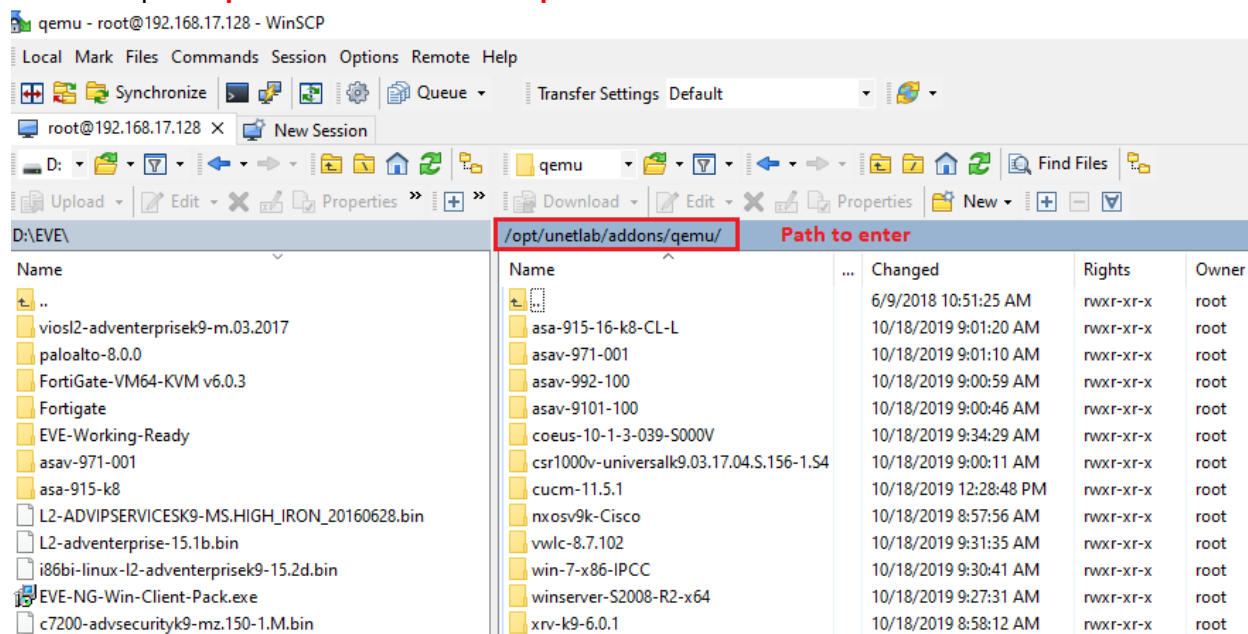
Open **WinSCP**, once you connected to WinSCP type the IP address of EVE-NG in host name choose the File Protocol: **SFTP**, Port number: **22**, User names: **root** and Password: **eve**.



The column on the left represent file on local machine and the column on the right represent files and folder on remote machine.



Go to the path **opt->unetlab->addons->qemu** on the remote machine.



Download FortiManager KVM image from Fortinet support website below link

<https://support.fortinet.com/Download/VMImages.aspx>

Select Product

FortiManager

Select Platform

KVM

-- Latest Version

7.0.2

6.4.7

-- Earlier Versions

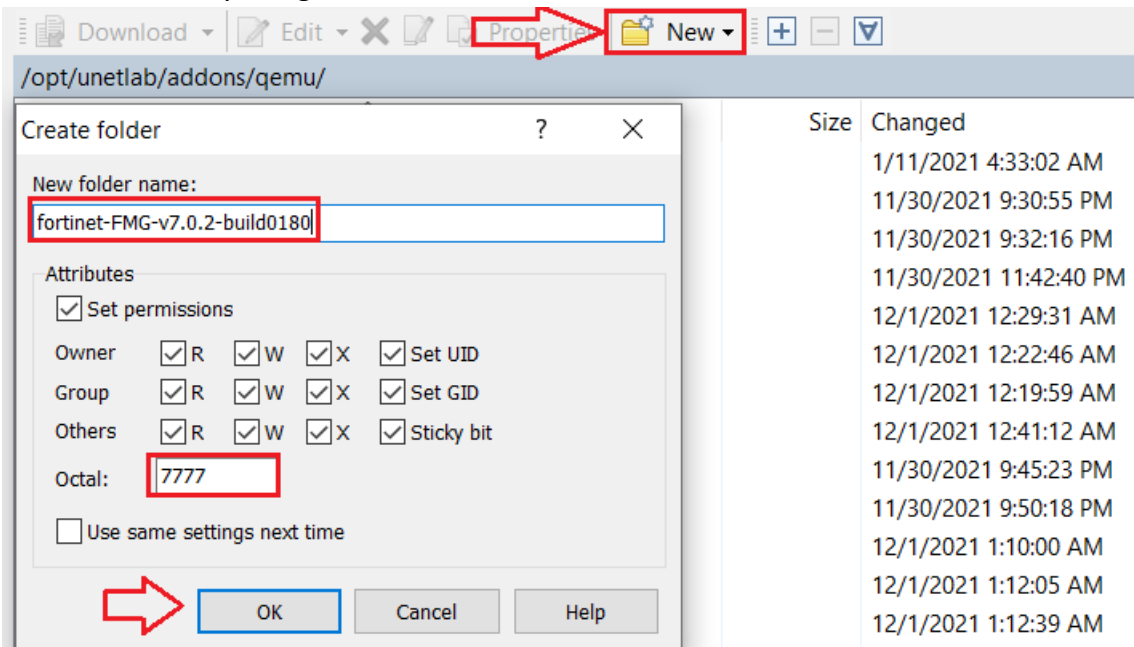
7.0.1

6.4.6

FortiManager for KVM platform Version 7.0.2

File Information	Checksum
Upgrade from previous version of FortiManager for KVM FMG_VM64_KVM-v7.0.2-build0180-FORTINET.out (227.98 MB)	f0f78cb72532f793e5b62d24861bc8b2 (Regular) b413ce135b4f81ce20e4ad34d40bde1d17852622bee0abefac073: (SHA-512)
Download	
New deployment of FortiManager for KVM FMG_VM64_KVM-v7.0.2-build0180-FORTINET.out.kvm.zip (225.55 MB)	578dd37914fd6cbad0a625104dd8e5e7 (Regular) 52c4c715c2d2424a338f00bab3a39fbb1e8421fe79b976bd174b83 (SHA-512)
Download	

Create a directory using the name: **fortinet-FMG-v7.0.2-build0180**



Copy the file downloaded from Fortinet support website to folder **fortinet-FMG-v7.0.2-build0180** rename **fmg.qcow2** to **virtioa.qcow2** the name must be: **virtioa.qcow2**

/opt/unetlab/addons/qemu/fortinet-FMG-v7.0.2-build0180/				
Name	Size	Changed	Rights	Owner
..		12/1/2021 11:47:11 AM	rw-r--r--	root
virtioa.qcow2	232,368 KB	10/20/2021 7:45:14 AM	rw-r--r--	root

From the EVE cli, go to newly created image folder.

cd /opt/unetlab/addons/qemu/fortinet-FMG-v7.0.2-build0180/

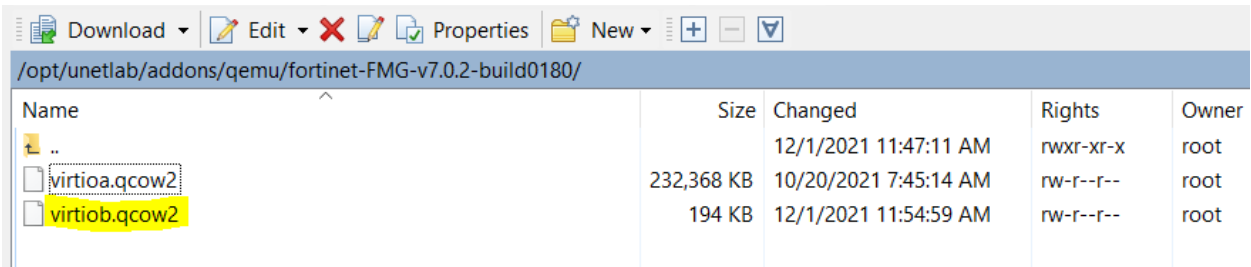
```
root@eve-ng: /opt/unetlab/addons/qemu/fortinet-FMG-v7.0.2-build0180
root@eve-ng:~# cd /opt/unetlab/addons/qemu/fortinet-FMG-v7.0.2-build0180/
root@eve-ng:/opt/unetlab/addons/qemu/fortinet-FMG-v7.0.2-build0180#
```

Create second HDD 100Gb drive **virtioa.qcow2**

/opt/qemu/bin/qemu-img create -f qcow2 virtioa.qcow2 100G

```
root@eve-ng:/opt/unetlab/addons/qemu/fortinet-FMG-v7.0.2-build0180# /opt/qemu/bin/qemu-img create -f qcow2 virtioa.qcow2 100G
Formatting 'virtioa.qcow2', fmt=qcow2 size=107374182400 encryption=off cluster_size=65536 lazy_refcounts=off refcount_bits=16
root@eve-ng:/opt/unetlab/addons/qemu/fortinet-FMG-v7.0.2-build0180#
```

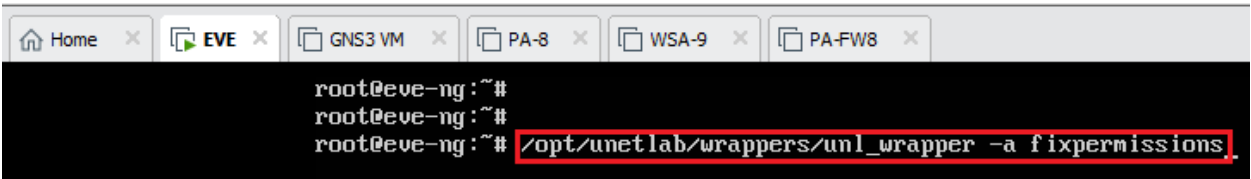
When you go back to the same folder now another HDD has been created.



Name	Size	Changed	Rights	Owner
..		12/1/2021 11:47:11 AM	rw-r-xr-x	root
virtioa.qcow2	232,368 KB	10/20/2021 7:45:14 AM	rw-r--r--	root
virtiob.qcow2	194 KB	12/1/2021 11:54:59 AM	rw-r--r--	root

Save the configuration by fixing the permissions using the following command on EVE-NG.

`/opt/unetlab/wrappers/unl_wrapper -a fixpermissions`



```
root@eve-ng:~#  
root@eve-ng:~#  
root@eve-ng:~# /opt/unetlab/wrappers/unl_wrapper -a fixpermissions
```

Open the EVE-NG in the browser then 'Add an Object' and select the Node. Increase the RAM.

Template

Fortinet FortiGate

Number of nodes to add

1

Image

fortinet-FMG-v7.0.2-build0180

Name/prefix

Fortinet

Icon

Firewall.png

UUID

CPU Limit

☐

CPU

1

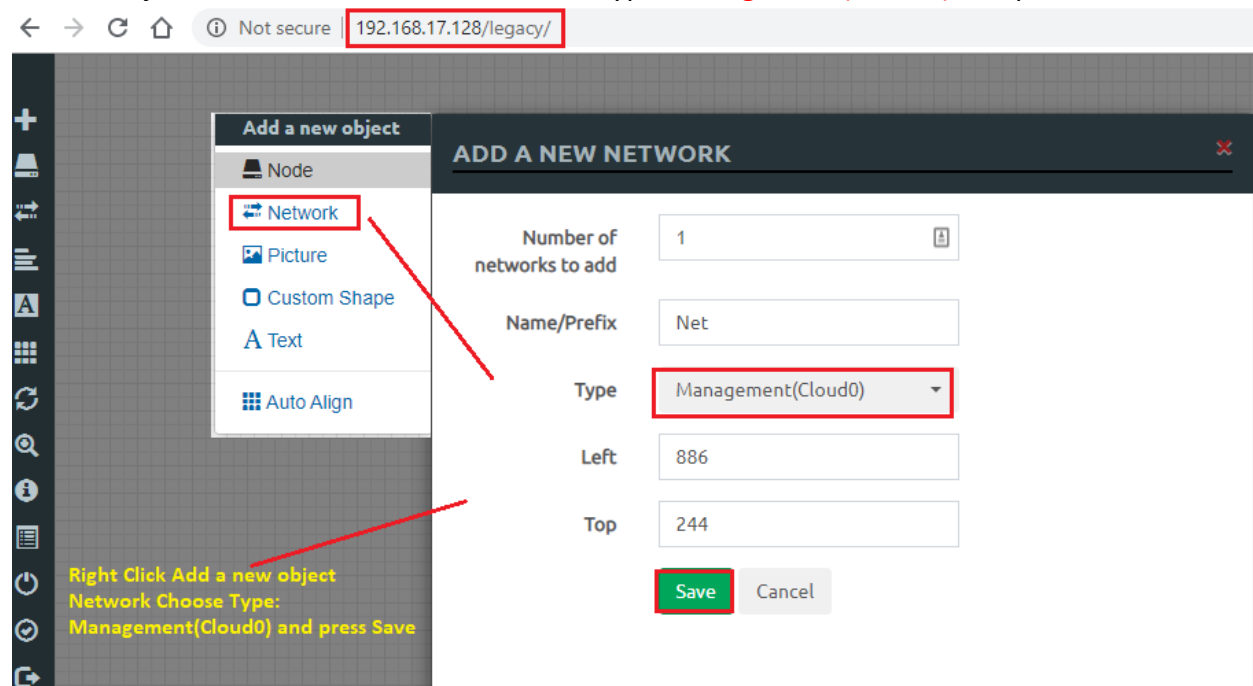
RAM (MB)

16384

Ethernets

4

Add an object' and select the Network make Type **Management(Cloud0)** and press Save button.



Connect Network Object to Fortinet **Port1**.



```
config system interface
set ip 192.168.114.200 255.255.255.0
end
```

```
config system route
edit 1
set device port1
set dst 0.0.0.0/0
set gateway 192.168.114.2
end
```

```
config system dns
set primary 8.8.8.8
end
```

```
config system global
set enc-algorithm low
set fgfm-ssl-protocol tls1.0
set usg enable
end
```

Type the Management IP address in the browser to open.

▲ Not secure | <https://192.168.114.200/p/login/>

FortiManager-VM64-KVM

This product requires a valid license. You could log in to FortiCloud to activate your purchased license, or use a free trial license.

☒ Free Trial
☐ Activate License

Login with FortiCloud

OR

Register with FortiCloud

[Upload license](#)