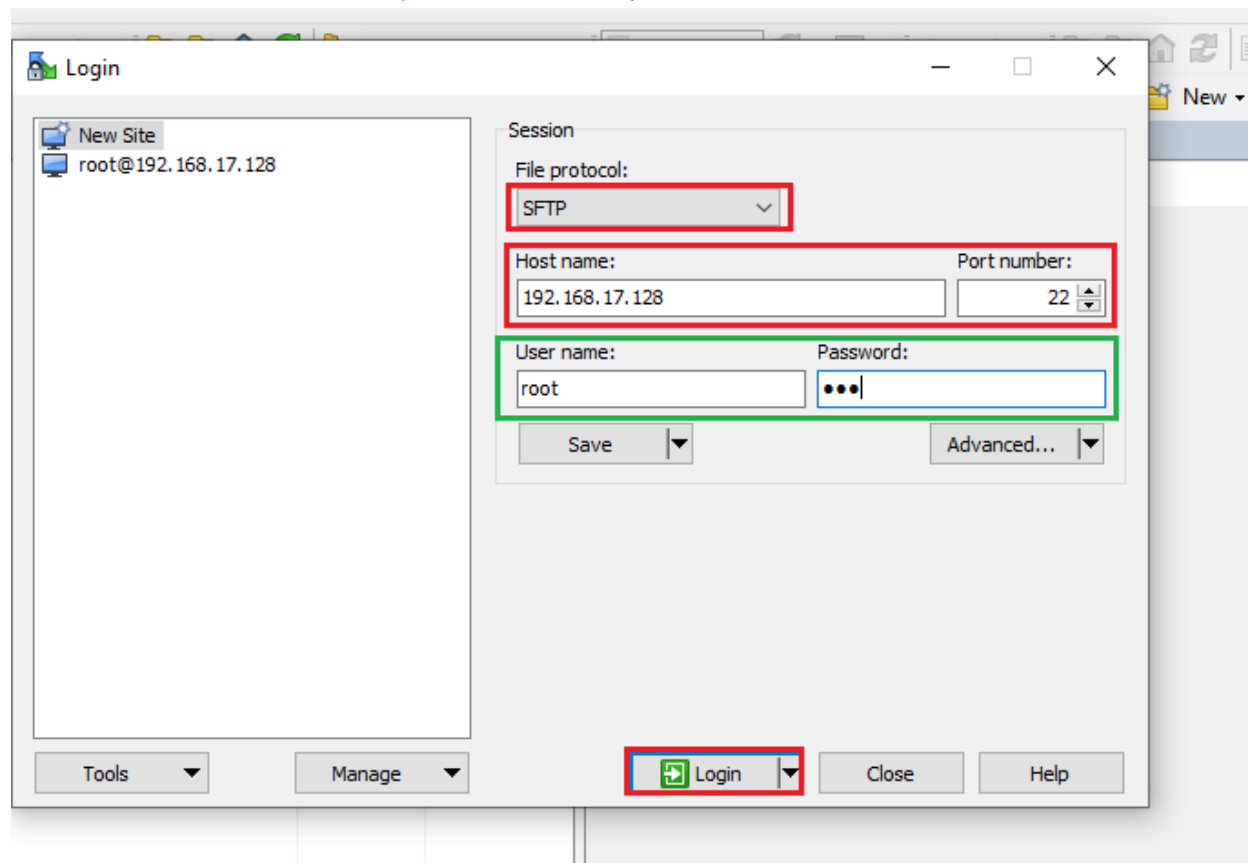
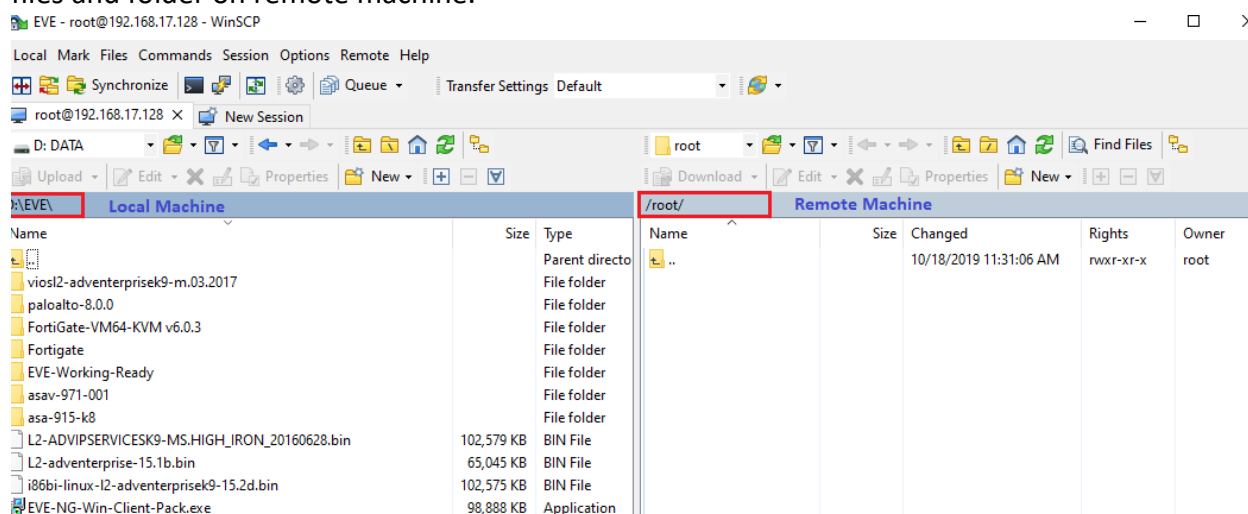


Upload FortiManager to EVE-NG:

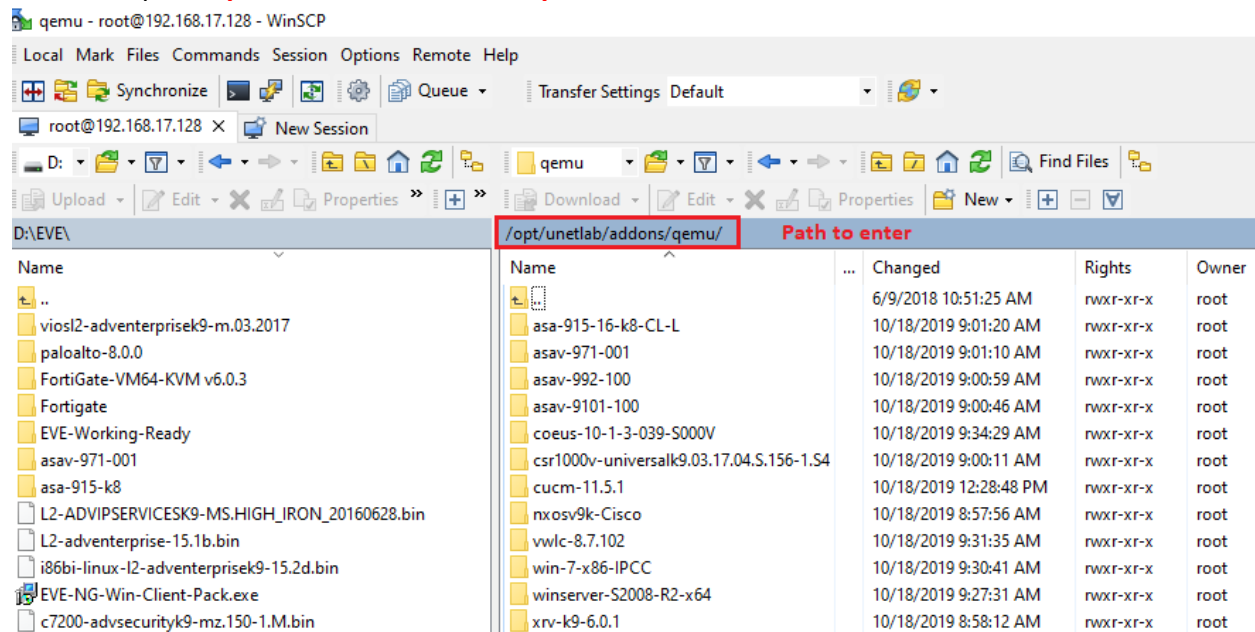
Open **WinSCP**, once you connected to WinSCP type the IP address of EVE-NG in host name choose the File Protocol: **SFTP**, Port number: **22**, User names: **root** and Password: **eve**.



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

7.2.1

7.0.5

-- Earlier Versions

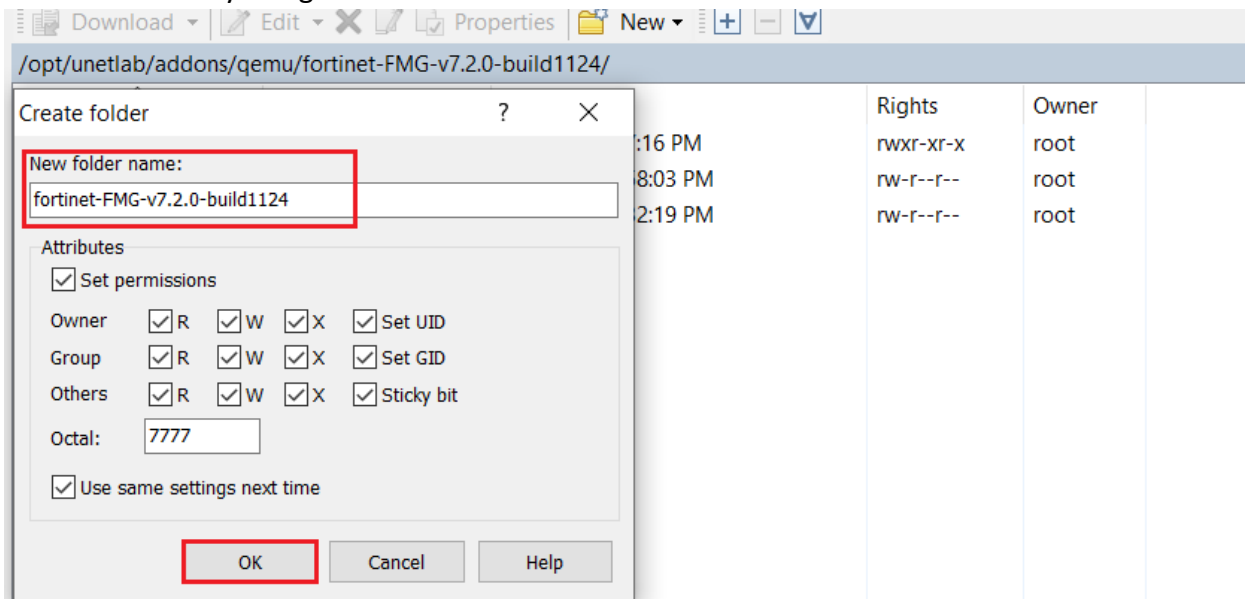
7.2.0

7.0.4

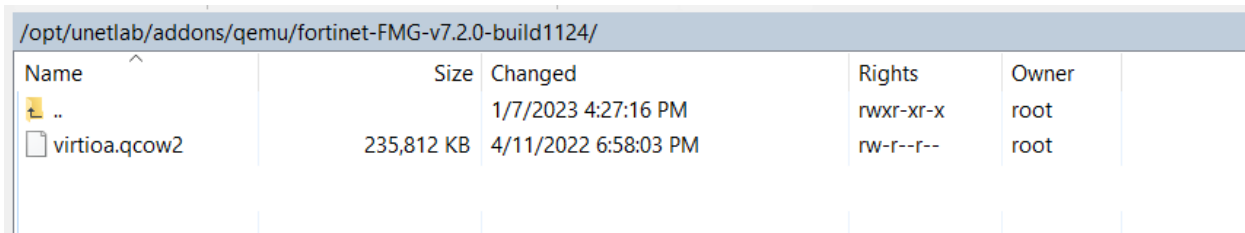
FortiManager for KVM platform Version 7.2.0

File Information	Checksum
Upgrade from previous version of FortiManager for KVM FMG_VM64_KVM-v7.2.0-build1124-FORTINET.out (231.34 MB)	b0ef3c205bb76d413a51f50bde6dd667 (Regular) 750fc7f9464e86b8be1b8cb835466c8a24ea4ba4558cb0ba21ac53 (SHA-512)
Download	
New deployment of FortiManager for KVM FMG_VM64_KVM-v7.2.0-build1124-FORTINET.out.kvm.zip (228.92 MB)	6f80d53a5b9cd21d46341bb37722e7a6 (Regular) 2869b4524e660055508e1710072e952b877b52d08f00a174a2dc0 (SHA-512)
Download	

Create a directory using the name: **fortinet-FMG-v7.2.0-build1124**

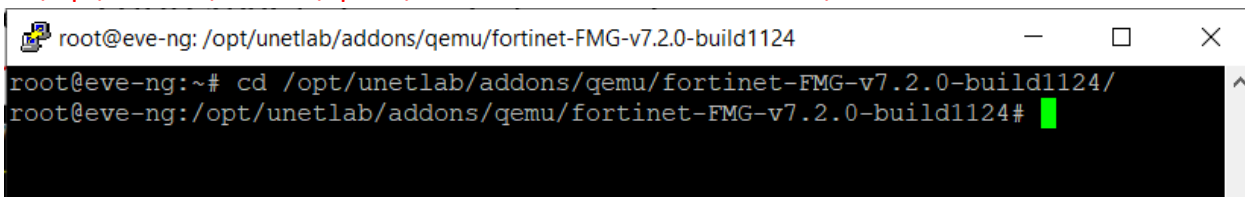


Copy the file downloaded from Fortinet support website to folder **fortinet-FMG-v7.2.0-build1124** rename **fmg.qcow2** to **virtioa.qcow2** the name must be: **virtioa.qcow2**



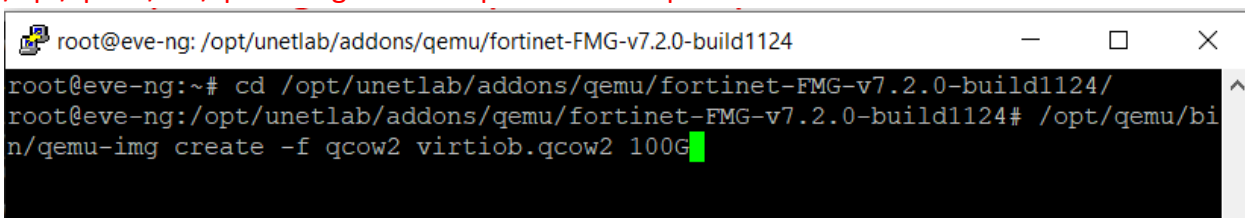
From the EVE CLI, go to newly created image folder.

cd /opt/unetlab/addons/qemu/fortinet-FMG-v7.2.0-build1124/

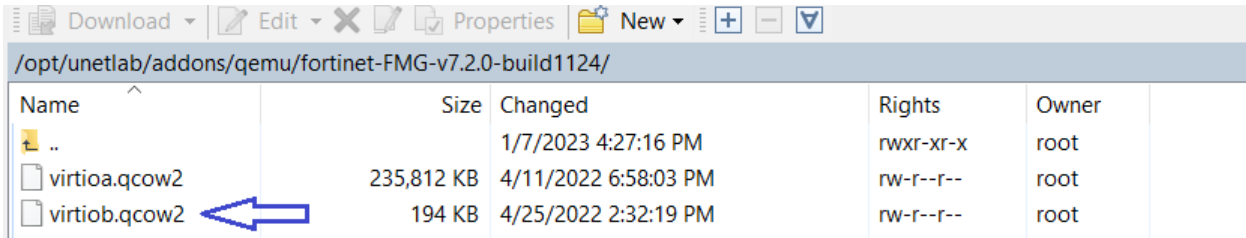


Create second HDD 100Gb drive **virtioa.qcow2**

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



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

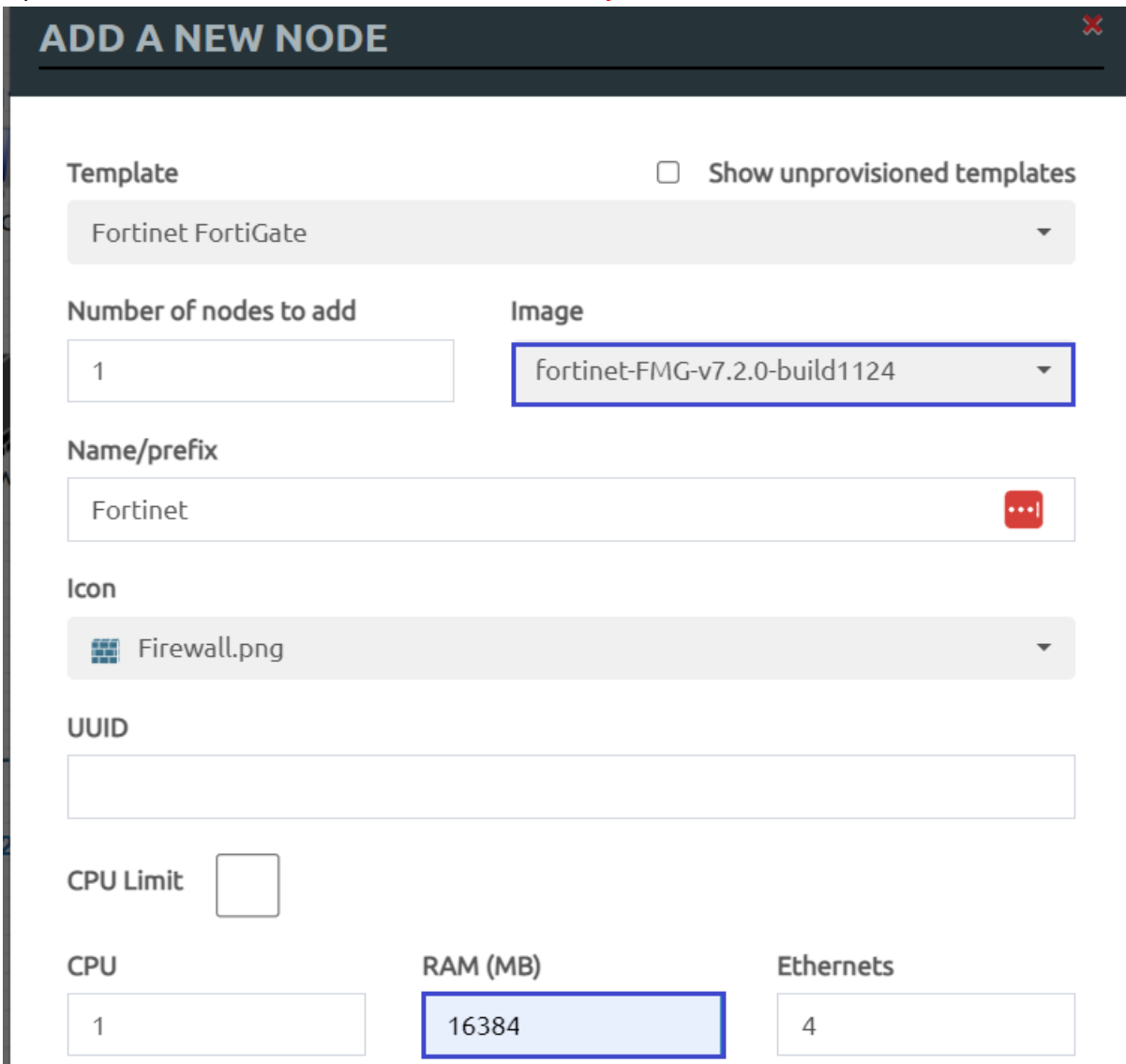


Name	Size	Changed	Rights	Owner
..		1/7/2023 4:27:16 PM	rw-r--r--	root
virtioa.qcow2	235,812 KB	4/11/2022 6:58:03 PM	rw-r--r--	root
virtiob.qcow2	194 KB	4/25/2022 2:32:19 PM	rw-r--r--	root

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

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

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



ADD A NEW NODE

Template ☐ Show unprovisioned templates

Fortinet FortiGate

Number of nodes to add: 1

Image: fortinet-FMG-v7.2.0-build1124

Name/prefix: Fortinet

Icon: Firewall.png

UUID:

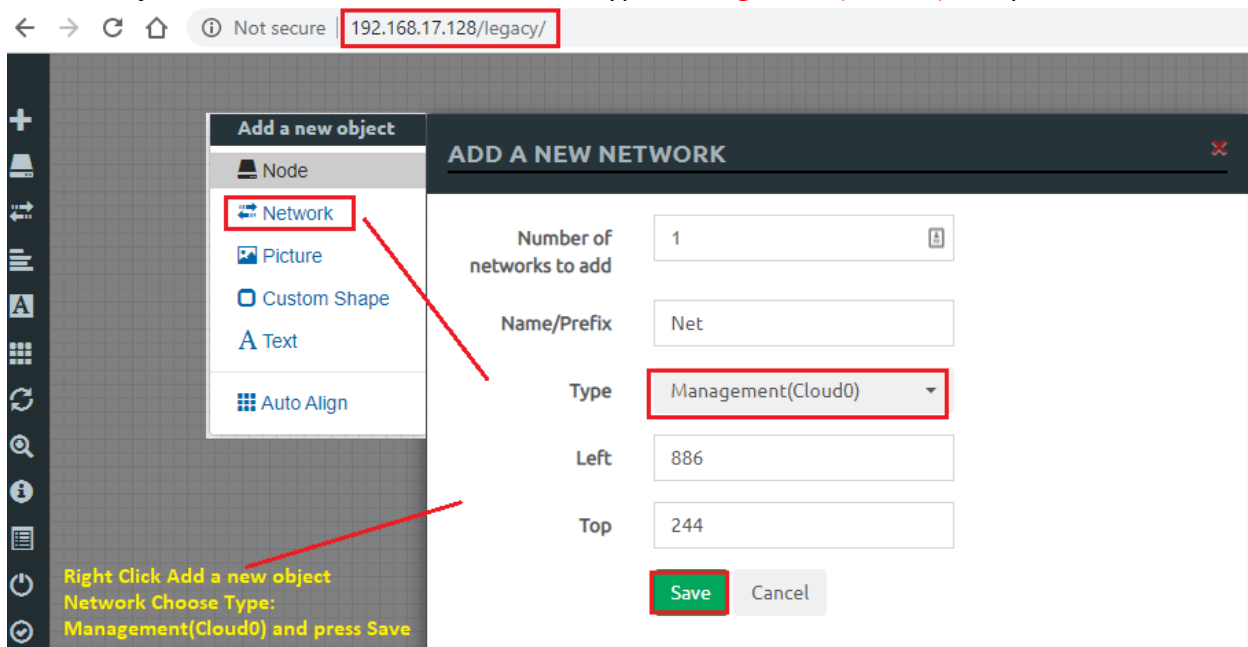
CPU Limit: ☐

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
edit port1
set ip 192.168.114.210 255.255.255.0
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

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