

Upload FortiGate Firewall to EVE-NG:

Register and Download the FortiGate image at the following link.

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

Once at the site, Click on **Download > VM Images**. Select Product: **FortiGate**. Select Platform: **KVM**. Downloading the Latest Version (**7.2.0**). Be sure to click **Download** under the **FOS_VM64_KVM-v7.2.0.F-build1157-FORTINET.out.kvm.zip** if this is a new installation.

FortiGate

Release Notes

Download

Upgrade Path





FortiGate Support Tool

Image File Path

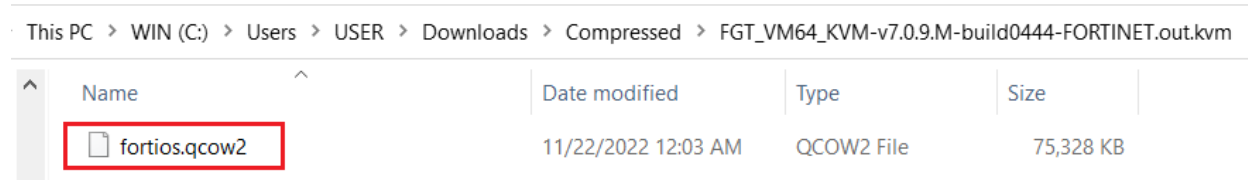
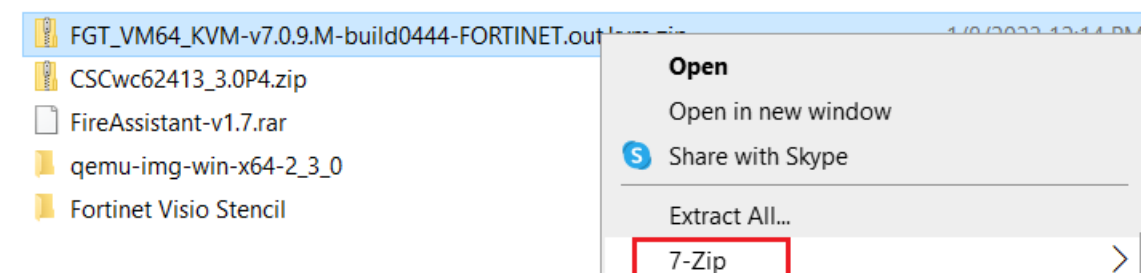
/ FortiGate/ v7.00/ 7.2/ 7.2.0/

Image Folders/Files

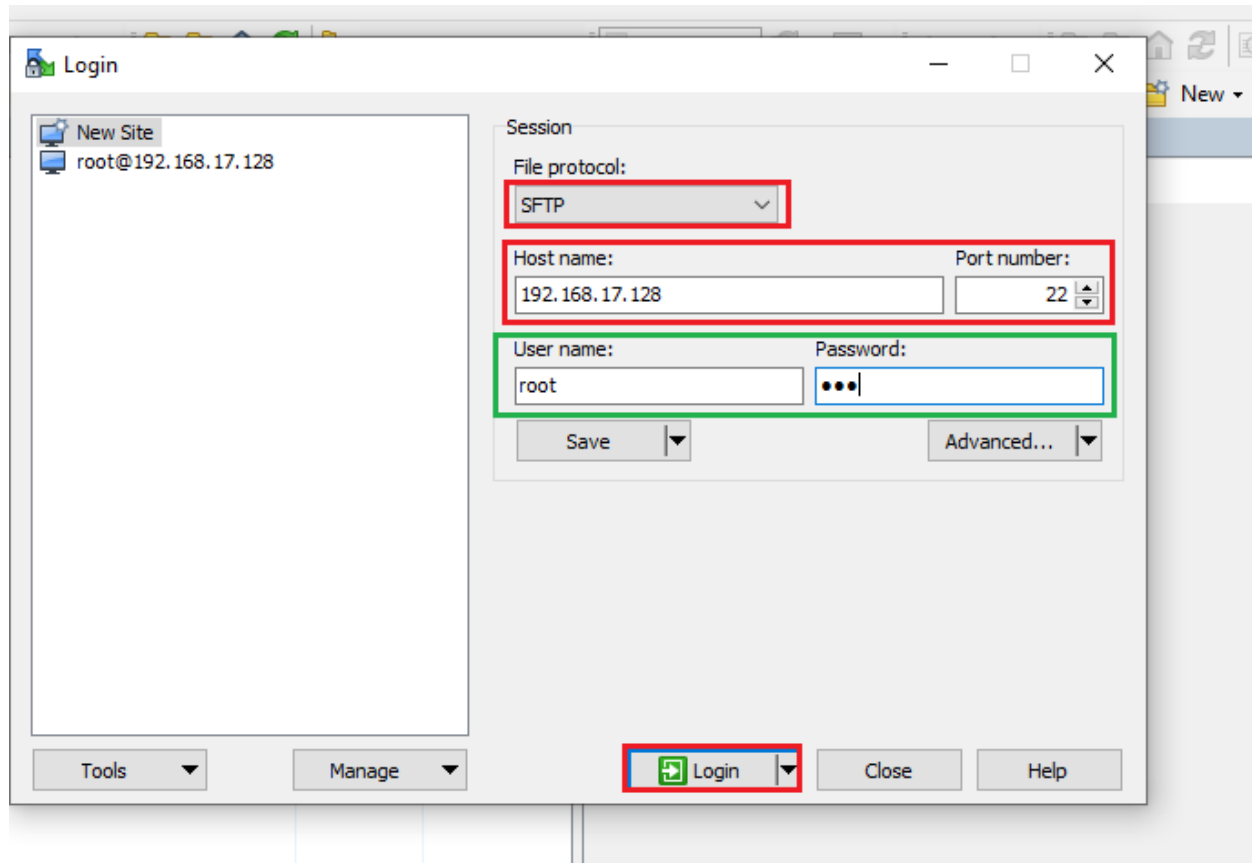
[Up to higher level directory](#)

| Name | Size (KB) | Date Created |
|---|-----------|---------------------|
|  FOS_VM64_HV-v7.2.0.F-build1157-FORTINET.out | 75,648 | 2022-03-31 12:03:08 |
|  FOS_VM64_KVM-v7.2.0.F-build1157-FORTINET.out | 74,791 | 2022-03-31 12:03:17 |
|  FOS_VM64_KVM-v7.2.0.F-build1157-FORTINET.out.kvm.zip | 74,174 | 2022-03-31 12:03:28 |
|  FOS_VM64_XEN-v7.2.0.F-build1157-FORTINET.out | 67,871 | 2022-03-31 12:03:22 |

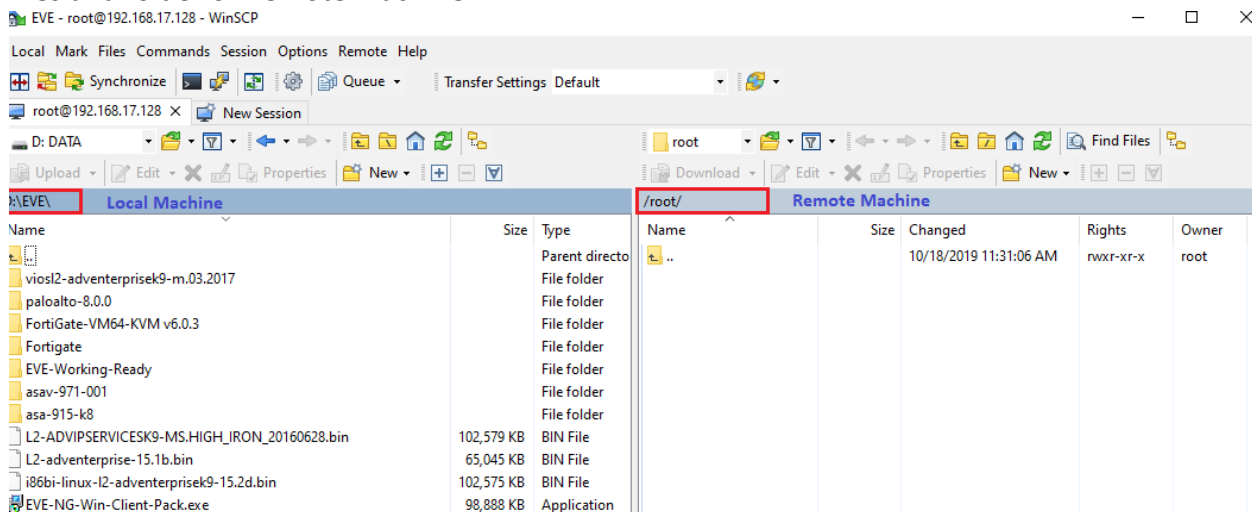
After download use any zip application to unzip it here I use free 7-Zip software.



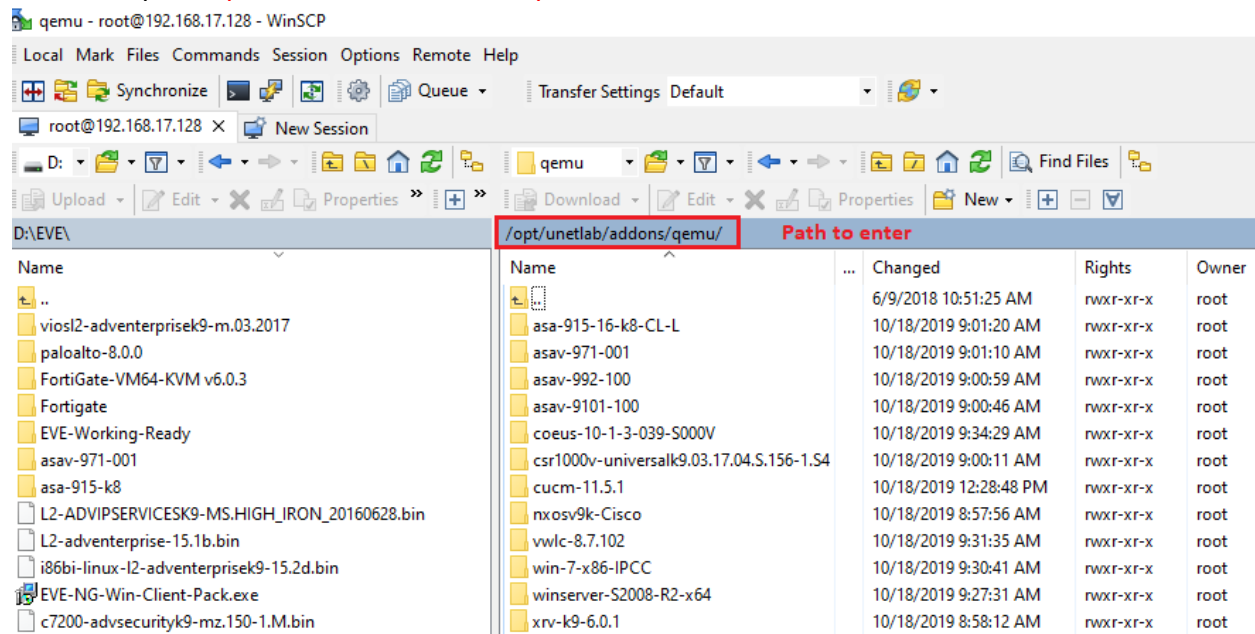
Open **WinSCP**, once you connected to WinSCP type the IP address of EVE-NG in host name choose the File Protocol: **SFTP**, Port number: **22**, User names: **root** and Password: **eve**.



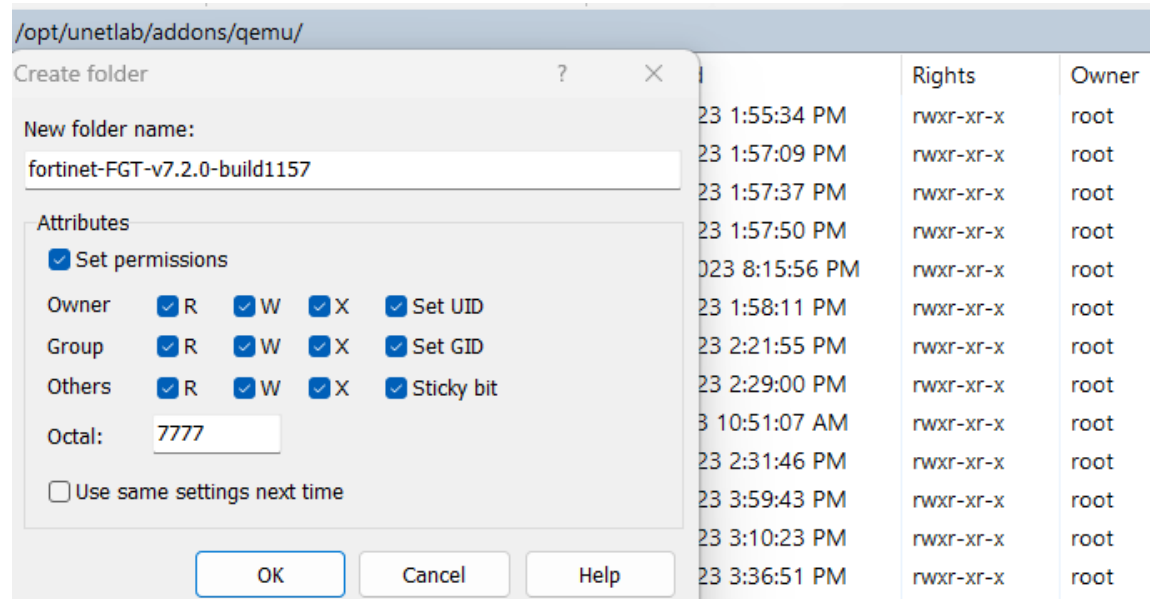
The column on the left represent file on local machine and the column on the right represent files and folder on remote machine.



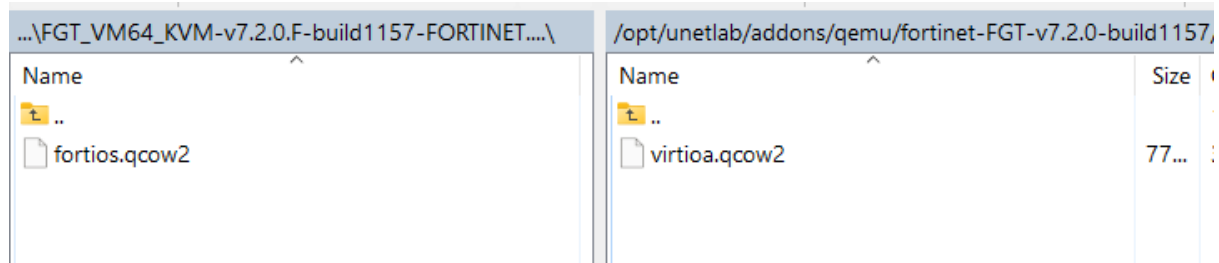
Go to the path **opt->unetlab->addons->qemu** on the remote machine.



Create a directory in remote location **/opt/unetlab/addons/qemu** using the folder name: **fortinet-FGT-v7.2.0-build1157**



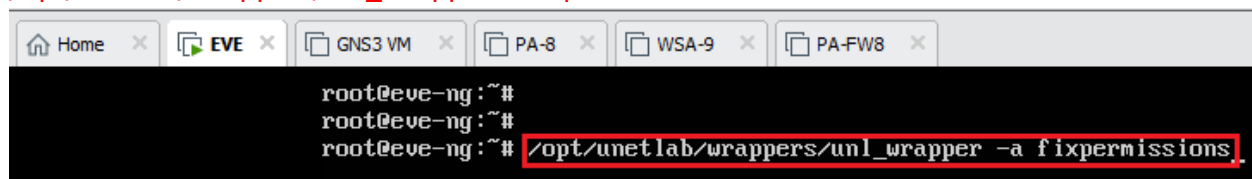
Drag the file (**forties.qcow2**) downloaded to **fortinet-FGT-v7.2.0-build1157** folder rename **fortios.qcow2**>> **virtioa.qcow2** the name must be: **virtioa.qcow2**



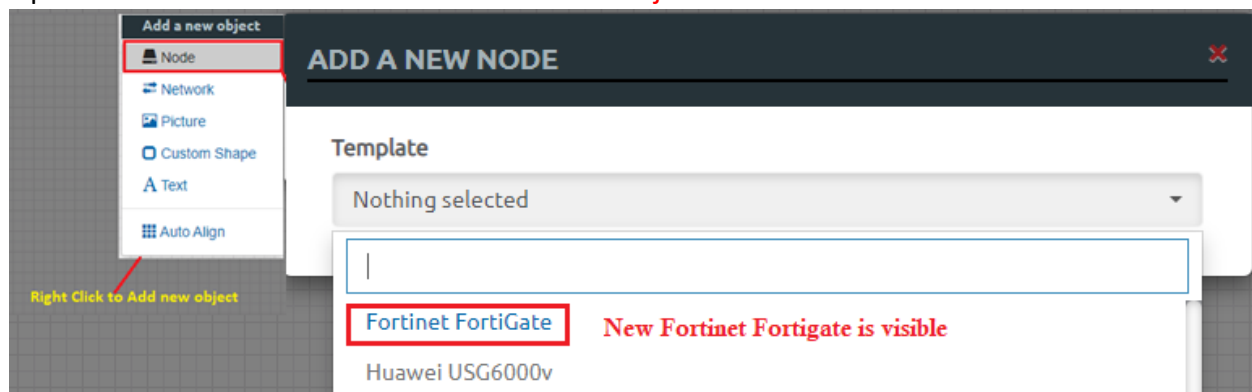
| /opt/unetlab/addons/qemu/fortinet-FGT-v7.2.0-build1157/ | | | | |
|---|-------|-----------------------|-----------|-------|
| Name | Size | Changed | Rights | Owner |
| .. | | 11/27/2023 8:15:50 PM | rw-r--r-- | root |
| virtioa.qcow2 | 77... | 3/31/2022 6:03:15 AM | rw-r--r-- | root |

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

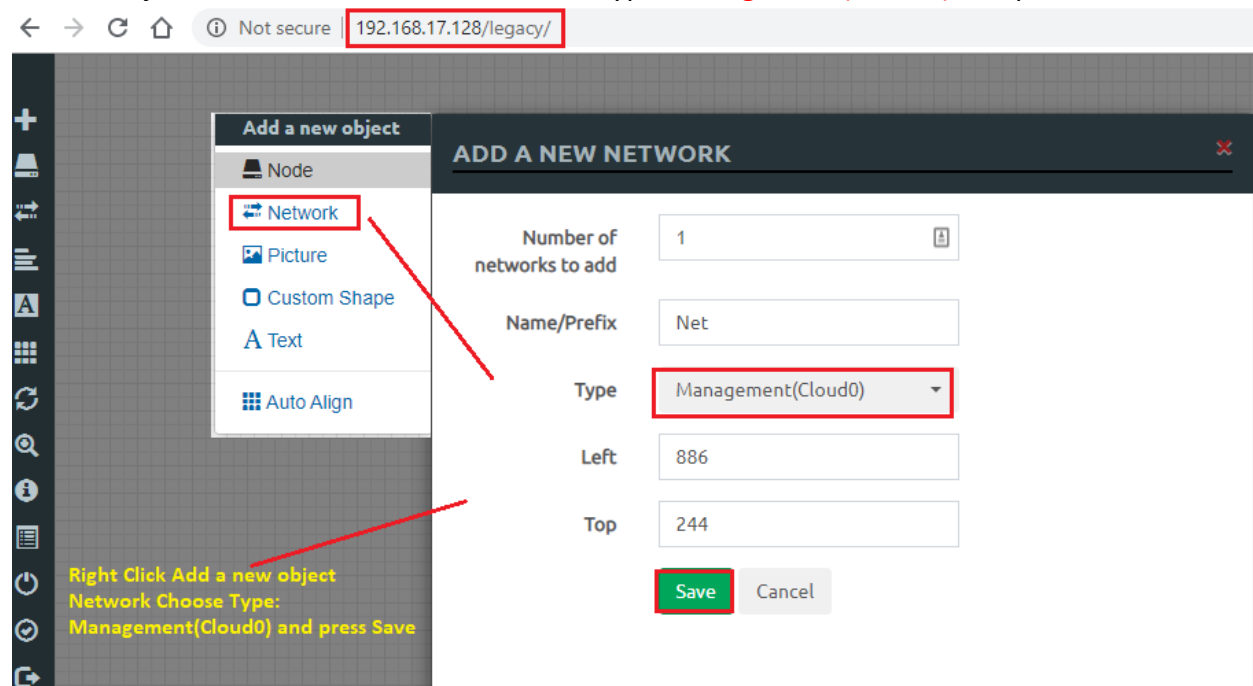
/opt/unetlab/wrappers/unl_wrapper -a fixpermissions



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



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



Connect Network Object to Fortinet **Port1**.



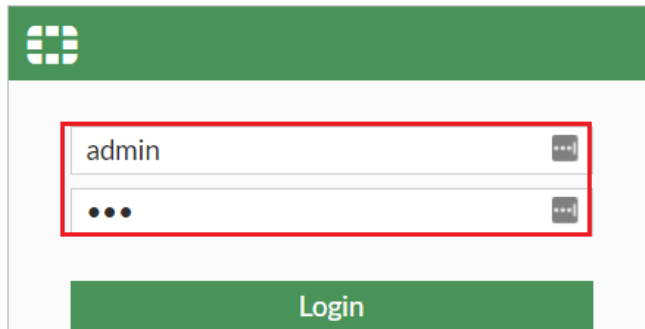
At the login prompt type admin and press Enter. The password area is blank by default. It may prompt to immediately change the password. Provide the password twice.

```
FortiGate-VM64-KVM login: admin
Password:
You are forced to change your password, please input a new password.
New Password:***
Confirm Password:***
Welcome !
```

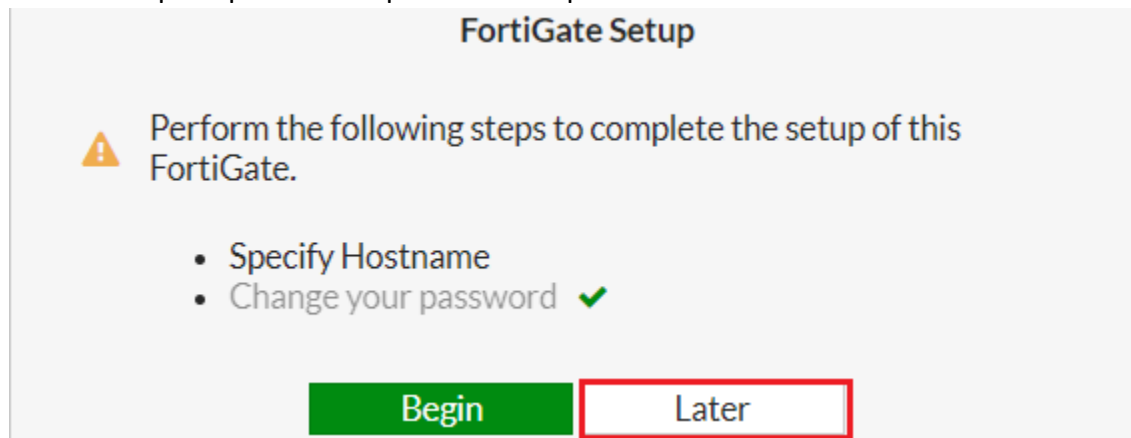
It will get the IP address from DHCP server if available or you can set static IP address. Type the command to see IP Address: **FortiGate-VM64-KVM#Diagnose ip address list**

```
FortiGate-VM64-KVM # diagnose ip address list
IP=192.168.122.134->192.168.122.134/255.255.255.0 index=3 devname=port1
IP=127.0.0.1->127.0.0.1/255.0.0.0 index=7 devname=root
IP=127.0.0.1->127.0.0.1/255.0.0.0 index=9 devname=vsys_ha
IP=127.0.0.1->127.0.0.1/255.0.0.0 index=11 devname=vsys_fgfm
```

Now can manage the PA-VM node via GUI, Use the computer that connected to management network; then use web browser to navigate <http://192.168.122.134/> Login using [admin/123](#)

The image shows the FortiGate login interface. It features a green header with the FortiGate logo. Below the header, there are two input fields: the first contains the username 'admin' and the second contains a masked password '...'. Both fields are enclosed in a red rectangular box. Below the input fields is a green 'Login' button.

You will be prompted to complete the setup of FortiGate. For this I have chosen to do so Later.

The image shows the FortiGate Setup screen. It has a title 'FortiGate Setup' at the top. Below the title, there is a warning icon (a yellow triangle with an exclamation mark) followed by the text 'Perform the following steps to complete the setup of this FortiGate.' Below this text, there is a list of two items: 'Specify Hostname' and 'Change your password' with a green checkmark next to it. At the bottom of the screen, there are two buttons: a green 'Begin' button and a white 'Later' button with a red border. The 'Later' button is highlighted with a red rectangular box.

Once logged in, the Dashboard status appears. FortiGate gives you **14-day** trial access to VM.