Create/Install Docker VM

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Create Docker VM



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Select RAW device and then Edit at the bottom

Start the VM! It will download and install the image. You will now want to access your FreeNAS's shell through your preferred method. Now to access VM's shell by running: **cu -1 /dev/nmdm#B** (*Replace # with number listed in /dev/*) You may have to hit enter to get the Rancher login cu -l /dev/nmdm3B (enter enter)

login: rancher

Password: xxxxxx

Login with the username '**rancher**' and the password you configured earlier for the RAW device.

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	Add VM							
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Next you will want to configure a static IP. First run '**ifconfig**' to get your interface name (**eth0** be default.) Then run the following after modifying what you need to depending on your network configuration:[/b]

sudo ros config set rancher.network.interfaces.eth0.address 192.168.1.20/24 sudo ros config set rancher.network.interfaces.eth0.gateway 192.168.1.1 sudo ros config set rancher.network.interfaces.eth0.mtu 1500 sudo ros config set rancher.network.interfaces.eth0.dhcp false

Install portainer:

docker volume create portainer_data

docker run -d -p 9000:9000 --restart always --name portainer -v
/var/run/docker.sock:/var/run/docker.sock -v portainer_data:/data
portainer/portainer

Restart docker VM.

Go to portainer:

http://192.168.1.20:9000

Add password & confirm password. Create user.

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Local & Connetc



Add App Template:

Select Httpd:



Deploy the container: Name: apache1 Network: bridge host: use Docker IP address + 80 host: 192.168.1.20:80 container:80

Click deploy the container.

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		Hosts file entries	add additional entry]				
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Tportainer.io 1,17	3	Deploy the container						

Containers:

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Testing apache webserver from the Docker container:



Temporary route apache1 IP address from Docker container:

ssh <u>is_derayo@192.168.1.98</u> Password:

% sudo su Password: root@freenas:/ #

route add -net 172.0.0.0/8 192.168.1.20

Delete last temporary route:

route -n delete 172.0.0.0/8

sudo docker run -d --restart=unless-stopped -p 8080:8080 rancher/server