

HOW TO CONFIGURE NETWORK SETTINGS IN GREENRADIUS

In order to set up a new GreenRADIUS system up quickly and ready to be configured, GreenRADIUS by default is set to use the DHCP protocol for network configuration and to acquire an IP address. However, when using DHCP, the IP address may change over time. Because gateways and devices that should connect to GreenRADIUS need a static IP address of GreenRADIUS in order to connect, it is highly recommended to assign a static IP address for GreenRADIUS as part of the initial configuration.

Follow the steps below to configure a static IP address.

1. The Console of GreenRADIUS displays the IP address it has acquired (if any) using DHCP and the URL to access the GreenRADIUS web-console as shown in the image below:

```
IP address of this GreenRADIUS Virtual Appliance is: 10.51.0.176
The URL for the Web UI is https://10.51.0.176:10000

greenradius login:
```

2. In case your environment does not have a DHCP server or for whatever reason the VA cannot acquire an IP address using the DHCP protocol, you will see the following message on the VA console. In such a case, you can configure network settings for the VA by logging in to the VA from the console using credentials root/GreenRocket!23.

```
No Network Address in configured for this Virtual Appliance
You can configure it by logging as root

greenradius login:
```

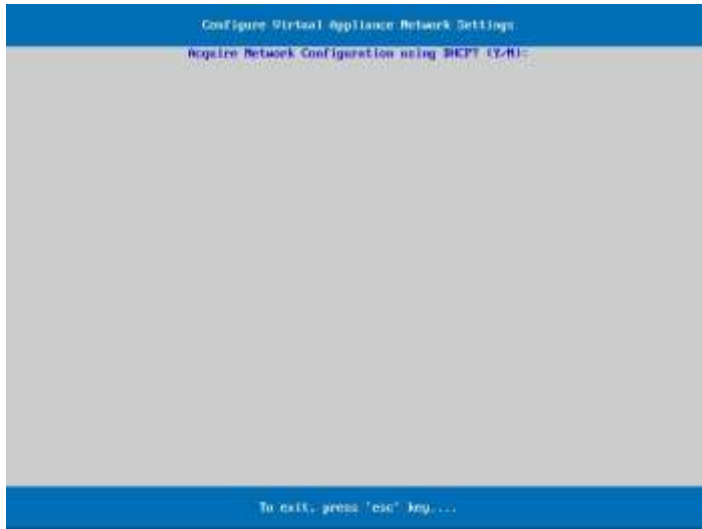
3. Once you log in, you will be prompted to configure network settings as shown in the image below:

```
No Network Address in configured for this Virtual Appliance
You can configure it by logging as root

greenradius login: root
Password:
Last login: Thu Sep 25 17:34:05 IST 2014 from 192.168.1.33 on pts/0
Welcome to Ubuntu 12.04.5 LTS (GNU/Linux 3.2.0-67-virtual x86_64)

* Documentation: https://help.ubuntu.com/
No Network Address is configured for this Virtual Appliance. Do you want to configure it now? (y/n)
_
```

4. The network configuration screen will appear after answering as “yes/y” to (“Do you want to configure it now?”). Below is the first screen in the network configuration window:



5. You are asked if you want to keep DHCP, but since we would like to configure a static IP address, you will answer no “N”, and the static IP settings configuration opens. You will be asked to enter:
 - i. Static IP address
 - ii. Subnet Mask
 - iii. Default Gateway
 - iv. DNS Server IP address(es).

You must configure at least one DNS server, and you can (optionally) configure up to 3 DNS servers. Enter the appropriate values for your network as shown in the example in the picture below:



After entering the values, hit “enter” and type “y” for saving the network configuration. Please note that it may take a while for the network configuration to be saved.

- To verify the updated network configuration, please log in to the GreenRADIUS web console by pointing a browser to “https://<<< IP address of GreenRADIUS >>>/admin” and log in as user “gradmin” (default password is GreenRocket!23). Then navigate to the Troubleshoot tab, and enter a valid, well-known hostname, e.g. www.google.com or api.yubico.com, in the text box under the ‘Ping’ heading. Click the “Ping” button. If the new network settings are configured correctly, you should see the ping response similar to below:

Ping	
Hostname or IP Address	<input type="text"/>
Ping	
Ping Response:	
<pre>PING www.google.com (216.58.199.132) 56(84) bytes of data: 64 bytes from bom07s01-in-f4.1e100.net (216.58.199.132): icmp_seq=1 ttl=55 time=4.32 ms 64 bytes from bom07s01-in-f4.1e100.net (216.58.199.132): icmp_seq=2 ttl=55 time=4.38 ms 64 bytes from bom07s01-in-f4.1e100.net (216.58.199.132): icmp_seq=3 ttl=55 time=3.87 ms 64 bytes from bom07s01-in-f4.1e100.net (216.58.199.132): icmp_seq=4 ttl=55 time=4.82 ms --- www.google.com ping statistics --- 4 packets transmitted, 4 received, 0% packet loss, time 3005ms rtt min/avg/max/mdev = 3.877/4.352/4.826/0.339 ms</pre>	

- If you need to edit network settings at a later time, you can run the following command on the VA console as the root user to start the above process:

```
#python /opt/grs/scripts/configure_ip.py
```