

# exercise

- Enable IPv6 in FreeBSD

As user root, vi /etc/rc.conf and add:-

```
ipv6_enable="YES"
```

add (manual) interface configuration:-

```
ipv6_network_interfaces="em0"
```

Use the above option to limit the interface to enable IPv6. By default it's "auto", meaning to enable IPv6 on all the interfaces.

```
ipv6_ifconfig_em0="2001:4348:0:219:196:200:219:X"
```

(where x is your pc number, eg.1, 2, 3 ...)

- Add the default router:-

```
ipv6_defaultrouter=" 2001:4348:0:219:196:200:219:254"
```

- Reboot!

Test with traceroute6 and ping6

g) to your neighbour's ipv6 address

h) An external host e.g tracroute6 [www.afrinic.net](http://www.afrinic.net)

Open your browser and go to

<http://www.afrinic.net>

[http://\[2001:610:240:a50::2\]/](http://[2001:610:240:a50::2]/)