

TEIN3 Internship Program Weekly Report

VinaREN

This is my internship report for the second week. The subject/topics which I learned during the second week (9th-13th July) are on:

Static Routing

1. Role of a Router

Router is a device to transfer the packets from one network to next.

Their role is to:

- Determine the best path to send the packets
- Forward packets toward their destination

2. Command syntax of ip route

There are two syntax:

- I. Router(config)#ip route prefix mask {ip-address | interface-type interface-number [ip-address]} [distance] [name] [permanent] [tag tag]

- II. Router(config)#ip route network-address subnet-mask {ip-address | exit-interface }

And we used the second syntax for configuration.

3. Installing a Static Route in the Routing table
4. Verifying the static route
5. Configuring Route to Two or more Remote networks
6. Routing Table Principles
7. Recursive Route Lookup
8. Configuring a Static Route with an Exit Interface
9. Static Route and Exit Interface
10. Static Route and point-to-point Networks
11. Verifying static Route Configurations
12. Static Route with Ethernets interfaces
13. Sending an ARP Request

14. Route Summarization

- i. Calculating a summary route
- ii. Configuring a summary route

15. Default Static Route

- Configuring a default static Route.
- Verify a default Static Route

I also did configuration example on Static Route. Mr. Duy nm made us draw network diagram of our respective university. He gave us lots of idea on network topology.

OSPF_- Open shortest path first

I learned about OSPF and there are lots more to learn on this.