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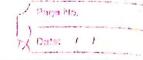
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Assignment 06

Problem statement: Use packet tracer tool for configuration of a 3 Router network using one of the tollowing protocol RIP/OSPE /BGP Title: Configuration of 3 Router network Prerequisites! 1. Protocol RIP e. Packet tracer learning objective: Student will be able to configure RIP using packet tracer. Requirements: Windows 10 64 bit, Packet tracer tool. Theory: Routing protocols: Routing protocols maintain routing tables where routing table contains a

route to every destination network.

Teacher's Signature



| | Dynamic Routing protolols | | |
|---------|---|--|--|
| | Types: | | |
| | 1. Routing information protocol (RIP) | | |
| | 2. open shortest path first (OSPF) | | |
| | 3. Border Gateway protocol (BGP) | | |
| | | | |
| | We will be working with Riprotocol: | | |
| | RIP is an oldest way of routing | | |
| • | on internet. It uses distance vector approach | | |
| | to find the path. Each RIP enabled table | | |
| | periodically sends content of it's | | |
| | routing table to it's neighbouring | | |
| | routers | | |
| | In this assignment we will construct a | | |
| | network like this: | | |
| - | 192.168.90.0 Router2 N3 | | |
| | 1013 | | |
| | cross 196.168.100.0 | | |
| | CLO?? | | |
| 192.168 | 4.0 MITT ROUTER 1 SWITCH ROUTERS | | |
| | Straight | | |
| | straight | | |
| | switch! | | |
| | | | |
| | (straight straight | | |
| | 192.168.5 | | |
| | PC1 PC2 | | |
| | | | |
| | | | |
| - | Teacher's Signature | | |
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steps to configure our network with

- . I We will need two end devices, 2 cwitches and 3 routers.
- u. connect the devices as shown in the above diagram.
- 111. Configure the end devices with 19
 192.168.4.1 and 192.168.5.1. and give
 gateway addresses of the routers connected
 to them.
- onfigure IP as provided ingateway for end devices.
- y. For all three routers configure the ethernet part with an IP of the connected neiboars.

 N. The most important part to connect all 4 networks is to give RIPs to the three routers.
- vii. For each router configure the RIP, enter.

completed try to comp ping end devices so to validate proper connections.

conclusion:

In this assignment. RIP configuration was successfully done and a network of s routers was implemented in packet tracer tool.

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