

## CCNP TSHOOT

### TOPICS

#### **EIGRP**

Process of EIGRP

Neighboring Routers  
in EIGRP

Swapping EIGRP  
Topology table

Finding EIGRP Route

Verification commands  
in EIGRP

#### **OSPF**

Process of OSPF

Neighboring Routers in OSPF

Swapping OSPF  
Topology table

Verification commands  
in OSPF

Duplication of  
Router-ID

## **Route Redistribution**

Problems related to route redistribution

Processes involved in route redistribution

Find and resolve route redistribution issues

Correct operation of a route redistribution process

Cisco IOS show commands to diagnose

## **BGP Part-1**

Process of BGP

Creating BGP Peering

Issues in Authentication

Study of BGP Table

Path Filter

## **BGP Part-2**

Synchronization Process

Finding Next-hop

Spilt Horizon in internal BGP

Black-holes in BGP

Verification commands in BGP

## **IPv6**

Issues of Routing Protocol

Issues of Tunneling

Issues because of Fallback-Bridging

Link-Local Address

Static routing over tunnel

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## **Switching Part-1**

Cabling and port problems

Duplex mismatches between switch ports and an attached device

Improper VTP mode,

Trunk issues

Native VLAN mismatches

## Switching Part-2

Ether-Channel must have identical speed, duplex, access or trunk settings

TCAM issues

HSRP is not running

HSRP- monitors periodic hellos

Verification commands

## VPN Technologies

Tunnel interface on the VPN router

Testing Connectivity

Add Routes to Remote Networks

IPSec Encryption for the GRE Tunnel

Verify GRE over IPSec Tunnel Connectivity

## **Infrastructure Services**

DHCP – Wrong address Range

Debugging DHCP sever

NAT- Outside rule vs Inside rule

Interface Domains

Verification commands

**JJK ACADEMY**