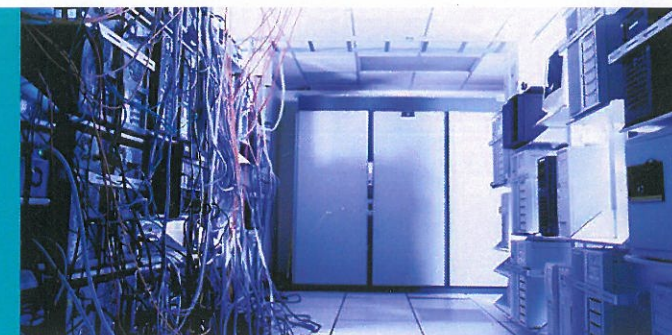


# CCNA v3

Cisco Certified Network Associate



This is to certify that:

## Dedi Naek Silaen

During the ID-Networkers CCNA v3 Course, administered by the undersigned instructor, the student was able to proficiency:

### 1.0 Network Fundamentals

- Compare & Contrast OSI And TCP IP/Models
- Infrastructure Component In an Enterprise Network
  - .a Firewalls
  - .b Access Points
  - .c Wireless Controllers
  - .d Router
  - .c Switch
- Select the appropriate cabling type based on implementation requirements
- Compare and contrast Ipv4 & Ipv6 address types

### 2.0 LAN Switching Technologies

- Describe & verify Switching Concepts
- Configure, Verify, & Troubleshoot VLANs (normal / Extended Range) Spanning Multiple Switches
  - .a Access ports (data & voice)
  - .b Default Vlan
- Configure, verify, and troubleshoot (layer 2/layer 3) ether channel
- Switch Stacking And Chassis Aggregation

### 3.0 Routing Technologies

- Describe The routing Concepts
- Interpret The Components of Routing Table
  - .a Prefix
  - .b Network Mask
  - .c Next Hop
  - .d Routing Protocol Code
  - .e Administrative Distance
  - .f Metric
  - .g Gateway Of last resort
- Configure, verify, and troubleshoot inter-vlan routing

### 4.0 WAN Technologies

- Configure And verify PPP & MLPPP on WAN Interfaces Using Local Authentication
- Configure, Verify, and Troubleshoot PPPoE Client-Side Interfaces Using Local Authentication
- Configure Verify & Troubleshoot GRE Tunnel connectivity
- WAN Topology Options
- WAN Access Connectivity options
- Configure And verify single-homed branch connectivity using eBGP IPv4

### 5.0 Infrastructure Services

- Configure & Verify DHCP on a router (excluding static reservation)
- Configure, verify, and troubleshoot basic HSRP
- Configure, verify, and troubleshoot inside source NAT

### 6.0 Infrass Management

- Configure and verify device monitoring protocols
- Perform devices maintenance
- Use Cisco IOS Tools to troubleshoot and resolve problems

Jakarta, 30 Okt 2016



**Farras Perdana**  
Trainer