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# Cisco 640-864: CCDA Cisco Certified Design Associate

## Module 1: Methodologies Used To Design A Network

- Introduction
- Developing Business Trends
- P P D I O O- Part 1
- P P D I O O- Part 2
- 3 Layer Campus Design
- Modular Network Design
- Cisco Eight Step Design Methodology
- Cisco I I N

## Module 2: Network Structure And Modularity

- Network Design Fundamentals
- Design Methods And Methodologies- Part 1
- Design Methods And Methodologies- Part 2
- Enterprise Campus Design- Part 1
- Enterprise Campus Design- Part 2

## Module 3: Basic Enterprise Campus Networks

- Campus Design Considerations- Part 1
- Campus Design Considerations- Part 2
- Cisco S O N A

## Module 4: Enterprise Edge And Remote Network Modules

- WAN Technologies And VPN- Part 1
- WAN Technologies And VPN- Part 2
- WAN Technologies- Part 1
- WAN Technologies- Part 2
- VPN Technologies- Part 1
- VPN Technologies- Part 2
- VPN Technologies- Part 3

## Module 5: IP Addressing And Routing Protocols

- Routing Protocol Operation And Design- Part 1
- Routing Protocol Operation And Design- Part 2
- Routing Protocol Operation And Design- Part 3
- Routing Protocol Operation And Design- Part 4
- EIGRP - Part 1

## Module 6: Enterprise Switching I

- Enterprise Switching
- Inter VLAN Routing
- Multilayer Switch
- Enterprise Switch Features And Design
- VSS
- Best Practices

## Module 7: Enterprise Switching II

- Switch Macros And Smart Ports
- Private VLANs
- Etherchannel

## Module 8: Subnetting

- IP v4
- Subnetting- Part 1
- Subnetting- Part 2
- Subnetting- Part 3
- Subnetting- Part 4
- IP v6

## Module 9: Designing Advanced Services

- Designing Advanced Services
- GLBP
- Access Points
- Radio Frequencies
- Wireless Signals
- Wireless LAN To VLAN Mapping
- Conclusion