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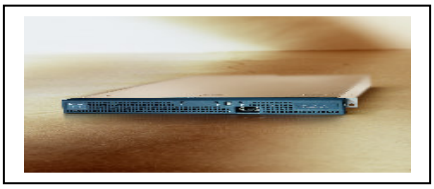

CCNP
Bootcamp *updated!*

Course Length: 11 weeks (88 hours), Instructor-led
Skill Development: install, configure, and troubleshoot local and wide area networks for enterprise organizations
Prerequisites: CCNA or equivalent; hands-on experience with Cisco equipment
Target Audience: CCNA's, experienced Cisco engineer in need of upgrading his/her skills and/or renewing CCNP
Course Objective: Provide students with the knowledge, skills and practical experience to pass the CCNP exams
Exams covered: Cisco CCNP exams (BSCI, BCMSN, ISCW, ONT)
Lab: One-year onsite and remote access (via web)

Topics to be covered:

Routining (642-901 BSCI)

I. Describe advanced IP addressing technologies

II. IP routing principles (static & dynamic routing)

III. Configure EIGRP for a scalable network

IV. Configuring OSPF for a scalable multiarea network

V. Configuring IS-IS for a scalable multiarea network

VI. Manipulate routing updates and packet flow

VII. Configure BGP for internal & external BGP connections

VIII. Implement Multicast and the Basics of Ipv6

Switching (642-812 BCMSN)

I. Define VLANs to segment network traffic& manage network utilization

II. Troubleshoot spanning tree,

III. Implement interVLAN Routing

IV. Implement High Availability

V. Featuring Wireless Client Access

VI. Minimizing Service Loss and Data Theft

VII. Configuring Campus Switches to Support Voice

Implementing Secure Converged WAN (642-825 ISCW)

I. Implement and verify frame mode MPLS

II. Configure a site-to-site IPSEC VPN

III. Configure Cisco EZVPN

IV. Discuss the strategies used to mitigate network attacks

V. Configure Cisco device hardening

VI. Configure IOS firewall features

Optimizing Converged Cisco Networks (642-845 ONT)

I. Cisco hierachical network model as it pertains to an end-to-end enterprise network.

II. Discuss & implement specific requirements for a VOIP network

III. Describe the need to implement QoS and the methods for iumplementing QoS on a converged network

IV. Discuss key IP QoS mechanisms used to implement the DiffServ QoS model

V. Configure AutoQoS for Enterprise

VI. Describe and configure wireless security and basic wireless management