

TITULO DEL CURSO: Palo Alto Networks PCCSA

OBJETIVOS DEL CURSO

Grado profesional de las certificaciones técnicas de Cisco, CCNP es el conjunto de tres certificaciones de nivel profesional para aquellas personas que han superado la certificación de nivel asociado CCNA. CCNP se compone de tres cursos con sus respectivas certificaciones:

- CCNP ROUTE
- CCNP SWITCHING
- CCNP TROUBLESHOOTING

DIRIGIDO A

Recomendado para todas aquellas personas que, teniendo sólidos conocimientos de CCNA quieran acreditar sus conocimientos en redes al nivel profesional acreditado por Cisco.

REQUISITOS PREVIOS

Sólidos conocimientos de CCNA. Antes de cursar los exámenes de certificación CCNP deberá tener en vigor la certificación CCNA.

OBJETIVOS DEL CURSO

- Implement an EIGRP based solution, given a network design and a set of requirements
- Implement a multi-area OSPF Network, given a network design and a set of requirements
- Implement an eBGP based solution, given a network design and a set of requirements
- Implement an IPv6 based solution, given a network design and a set of requirements
- Implement an IPv4 or IPv6 based redistribution solution, given a network design and a set of requirements
- Implement Layer 3 Path Control Solution
- Assess the structure and components used to build or expand an enterprise campus network.
- Implement VLANs in campus networks.
- Implement, monitor, and maintain spanning tree protocol in an enterprise campus network
- Implement, monitor, and maintain inter-VLAN routing in an enterprise campus network
- Configure and optimize high availability on switches to provide Layer 3 redundancy
- Describe and implement LAN security features
- Plan and prepare for advanced services in a campus infrastructure
- Plan and document the most common maintenance functions in complex enterprise networks

- Develop a troubleshooting process to identify and solve problems in complex enterprise networks
- Select tools that best support specific troubleshooting and maintenance processes in large, complex enterprise networks
- Practice maintenance procedures and fault resolution in switched environments
- Practice maintenance procedures and fault resolution in routing environments
- Troubleshoot NAT/PAT, DHCP, and other services
- Identify and troubleshoot network performance issues
- Troubleshoot wireless connectivity, VoIP, and video
- Practice maintenance procedures and fault resolution in a secure infrastructure
- Practice maintenance procedures and fault resolution in a complex environment

CONTENIDO CURRICULAR

MODULO I.- Implementing Cisco IP Routing

Examen de Certificación 300-101
50 horas de duración.

Capítulo I.- Basic Network and Routing Concepts
Capítulo II.- EIGRP Implementation
Capítulo III.- OSPF Implementation
Capítulo IV.- Manipulating Routing Updates
Capítulo V.- Path Control Implementation
Capítulo VI.- Enterprise Internet Connectivity
Capítulo VII.- BGP Implementation
Capítulo VIII.- Routers and Routing Protocol Hardening

MODULO II.-

Examen de Certificación 300-115
50 horas de duración.

Capítulo I.- Fundamentals review
Capítulo II.- Network Design Fundamentals
Capítulo III.- Campus Network Architecture
Capítulo IV.- Spanning-Tree in depth
Capítulo V.- Inter-vlan Routing
Capítulo VI.- First-Hop Redundancy
Capítulo VII.- Network Management
Capítulo VIII.- Switching Features and Technologies for the Campus Network
Capítulo IX.- High Availability
Capítulo X.- Campus Network Security

MODULO III.- Troubleshooting and Maintaining Cisco IP Networks (TSHOOT)

Integrado en los módulos I y II del curso