Certified Cisco Network Associate: **CCNA** (640-802)

The CCNA certification validates the ability to install, configure, operate, and troubleshoot medium-size routed and switched networks. CCNA certified professionals have the knowledge and skills to make connections to remote sites via a WAN, mitigate basic security threats, and understand the requirements for wireless network access. CCNA training covers (but is not limited to) the use of these protocols: IP, Enhanced Interior Gateway Routing Protocol (EIGRP), Serial Line Interface Protocol Frame Relay, Routing Information Protocol Version 2 (RIPv2), VLANs, Ethernet, and access control lists (ACLs).

تمامی سناریوهای سیسکو در کارگاههای کاملا مجهز و با Device های واقعی در سایبرتک قابل اجرا است.

رئوس مطالب دوره

Introduction
* Cisco devices   *IOS   *OSI model   *SDM
*Cisco Boot Process   *LAN Cabling and Standards

Switching
*Ethernet LAN Switching Concepts
*Ethernet Switch Basic Configuration and Troubleshooting
*Virtual LANs   *Spanning Tree Protocol   *Wireless LANs

Network Introduction
*Introduction to Computer Networking Concepts
*The TCP/IP and OSI Networking Models
*Fundamentals of LANs   *Fundamentals of WANs
*Fundamentals of IP Addressing and Routing (VLSM and Subnetting)
*Fundamentals of TCP/IP Transport, Applications, and Security

Routing
*Cisco Routers Basic Configuration
*Routing Protocol Concept and Static Routing
*Distance Vector Routing Protocol Configuration and Troubleshooting (RIP)
*Link State Routing Protocol Configuration and Troubleshooting (OSPF)
*Advanced Distance Vector Routing Protocol Configuration and Troubleshooting (EIGRP)
*Advanced Routing Protocols Concepts (VLSM, Classless, Summarization ...)

Security
*Access List

Scaling IPV6 Addressing
* NAT   *IPv6

WAN
*Point-to-Point WANs   *VPN Overview (IPSec)   * Frame Relay

مدت دوره
۶۰ ساعت

غیراجباری NETWORK+

پیش نیاز
Describe how networks function, identifying major components, function of network components and the Open System Interconnection (OSI) reference model.

Using the host-to-host packet delivery process, describe issues related to increasing traffic on an Ethernet LAN and identify switched LAN technology solutions to Ethernet networking issues.

Describes the reasons for extending the reach of a LAN and the methods that can be used with a focus on RF wireless access.

Describes the reasons for connecting networks with routers and how routed networks transmit data through networks using TCP / IP.

Describe the function of Wide Area Networks (WANs), the major devices of WANs, and configure
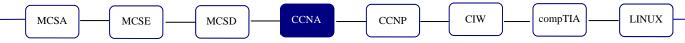
محل برگزاری
شرکت مهندسی سایبرتک

سایر دوره‌های مرتبط
CCNP

هزینه دوره
۴/۵۰۰/۰۰۰ ریال
شامل:
- تدریس حضوری
- استفاده از کارگاه و تجهیزات
- ارائه گواهینامه معتبر در پایان دوره

| MCSA | MCSE | MCSD | **CCNA** | CCNP | CIW | compTIA | LINUX |