DELLTechnologies

Role-Based Training Solutions: Networking Infrastructure

To help professionals learn on-the-job skills that will propel your business forward, Dell Technologies has compiled a list of our recommended training courses for job roles surrounding Network Infrastructure.

Infrastructure Engineer

Infrastructure Engineers install, maintain, upgrade, and continuously improve an organization's operating environment. They also maintain the ongoing reliability, performance, and support of the infrastructure, which includes monitoring the operating environments, responding to incidents, problems, and planning for growth. Infrastructure Engineers deploy the release of new technologies as well as design, install, configure, maintain, and perform testing of PC/server operating systems, networks, and related utilities and hardware. They also provide infrastructure solutions based on application needs and anticipated growth.

Recommended Training for Infrastructure Engineers

Cisco
Cisco Implementing and Administering Cisco Solutions v1.0 (CCNA)

Microsoft
AZ-700T00 Designing and Implementing Microsoft Azure Networking Solutions
AZ-800: Administering Windows Server Hybrid Core Infrastructure
AZ-801: Configuring Windows Server Hybrid Advanced Services

VMware
VMware vSphere: Install, Configure, Manage v7.0

Network Architect

Network Architects design and build data communication networks, including local area networks (LANs), wide area networks (WANs), and intranets. These networks range from a small connection between two offices, to a multinational series of globally distributed communications systems. Network Architects must have extensive knowledge of an organization's business plan to design a network that can help the organization achieve its goals.

Recommended Training for Network Architects

Cisco
Cisco Implementing and Administering Cisco Solutions v1.0 (CCNA)
Cisco Implementing and Operating Cisco® Enterprise Network Core Technologies v1.0 (ENCOR)
Cisco Implementing Cisco Enterprise Advanced Routing and Services v1.0 (ENARSI)
Cisco Unified Computing System (DCCUCS)

Microsoft
AZ-305T00 Designing Microsoft Azure Infrastructure Solutions

VMware
VMware vSphere: Install, Configure, Manage v7.0

Network Administrator / Systems Administrator

A Network Administrator, also known as a Systems Administrator, is responsible for keeping an organization's computer network up to date and running smoothly. Their duties can be wide or narrow depending on the organization and how complex its networks are, but in general, they are responsible for the following tasks: Installing network and computer systems; Maintaining, repairing, and upgrading network and computer systems; Diagnosing and fixing problems or potential problems with the network and its hardware, software, and systems; and Monitoring network and systems to improve performance.

Recommended Training for Network Administrators

Cisco
Cisco Implementing and Administering Cisco Solutions v1.0 (CCNA)
Cisco Implementing and Operating Cisco Enterprise Network Core Technologies v1.0 (ENCOR)
Cisco Implementing Cisco Enterprise Advanced Routing and Services v1.0 (ENARSI)

CompTIA
CompTIA Network+ Certification

Microsoft
AZ-800: Administering Windows Server Hybrid Core Infrastructure
AZ-801: Configuring Windows Server Hybrid Advanced Services

Red Hat
Red Hat System Administration I (RH124)

Security
Certified Information Security Systems Professional (CISSP)

VMware
VMware vSphere: Install, Configure, Manage v7.0

Network Manager

Network Managers are responsible for designing, implementing, monitoring, and managing the local and wide area networks of an organization to ensure maximum uptime for users. The role can include designing system configurations, documenting and managing the installation of a new network, and maintaining and upgrading existing systems as necessary.

Recommended Training for Network Managers

Cisco
Configuring Cisco Unified Computing System (DCCUCS)
Designing Cisco Enterprise Wireless Networks (ENWLSD)

CompTIA
CompTIA Network+ Certification

ITIL
ITIL 4 Foundation