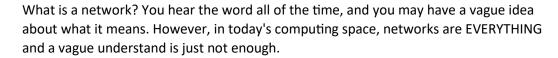


Certified Network Principles

Description:





In this fun and fast paced course you will learn concepts and skills needed to plan, install, maintain, and troubleshoot today's networks including wireless and server-based networks!

Want to learn about new technologies like virtual networks and SD Networks found in many cloud architectures? We've got you covered, and then we move to physical components, TCP/IP Stack, OSI Model, switches, routers, wireless, and Bluetooth.

Lastly, we finish up the C)NP with the knowledge you need to perform the day to day operations of an organization, so you will be able to secure and maintain an entire network!

Key Course Information

Live Class Duration: 5 Days

CEUs: 40

Language: English

Class Formats Available:

Instructor Led

Self-Study

Live Virtual Training

Suggested Prerequisites:
(Any of the following Mile2 Courses)

- C)HT/C)OST or equivalent knowledge

Modules/Lessons

Module 1 - Intro to Network Fundamentals

Module 2 -The Physical Networking Fundamentals

Module 3 - TCP/IP Primer

Module 4 - Connecting Networks with Switches and Routers

Module 5 - Wireless Networking

Module 6 - Security Principles

Module 7 - Defending the Network

Module 8 - Network Technology

Boom

Module 9 - Day to Day Networking

Module 10 - Network Planning

Who Should Attend

- Everyone
- End Users
- Employees
- Managers

Accreditations













Certified Network Principles

Upon Completion

Upon completion, the Certified Network Principles candidate will be able to competently take the C)NP exams well as the Comp TIA Network+ exam. You will have the knowledge to keep a companies' IP network infrastructure secure.

Exam Information

The Certified Network Principles exam is taken online through Mile2's Learning Management System and is accessible on you Mile2.com account. The exam will take approximately 2 hours and consist of 100 multiple choice questions.

A minimum grade of 70% is required for certification.

Re-Certification Requirements

All Mile2 certifications will be awarded a 3-year expiration date.

There are two requirements to maintain Mile2 certification:

- Pass the most current version of the exam for your respective existing certification
- 2) Earn and submit 20 CEUs per year in your Mile2 account.

Course FAQ's

Question: Do I have to purchase a course to buy a certification exam?

Answer: No

Question: Do all Mile2 courses map to a role-based career path?

Answer: Yes. You can find the career path and other courses associated with it at www.mile2.com.

Question: Are all courses available as self-study courses?

Answer: Yes. There is however 1 exception. The Red Team vs Blue Team course is only available as a live class.

Question: Are Mile2 courses transferable/shareable?

Answer: No. The course materials, videos, and exams are not meant to be shared or transferred.

Course and Certification Learning Options









mile

Certified Network Principles

Detailed Outline:

Course Introduction

Module 1 – Introduction to Network Fundamentals

Section 1: Networking concepts Section 2: Classifying networks Section 3: Network models

Section 4: The troubleshooting process

Module 2 – The Physical Networking Fundamentals

Section 1: Connection technologies

Section 2: Network devices Section 3: Copper media Section 4: Optical media Section 5: Ethernet standards

Module 3 - TCP/IP Primer

Section 1: IP addressing Section 2: Core protocols

Section 3: Network ports and applications

Module 4 – Connecting Networks with Switches and Routers

Section 1: Switching Section 2: Routing

Module 5 - Wireless Networking

Section 1: Wireless networks Section 2: Wireless LAN standards Section 3: Internet connections Section 4: WAN infrastructure

Module 6 – Security Principles

Section 1: Goals and threats Section 2: Digital security Section 3: Transport encryption





Certified Network Principles

Module 7 – Defending the Network

Section 1: Network security components Section 2: Network authentication systems

Section 3: Hardening networks

Module 8 – Network Technology Boom

Section 1: Network convergence Section 2: Virtual and cloud systems

Module 9 – Day to Day Networking

Section 1: Network convergence Section 2: Virtual and cloud systems

Module 10 – Network Planning

Section 1: Network policy design Section 2: Network installation

Section 3: Maintenance and upgrades

