

NSCC CompTIA A+ Class Guide

Start: 4/20/22

Updated: 5/9/22

End: 6/8/22

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CISSP, CRISC, CISM, CISA, Security+, Pentest+, M365 Security, Azure Security Engineer, CCNA, Network+, CompTIA+, others

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Overview

This document will contain all the material and activities that we will cover in this class. This is a living document that will be updated constantly.

Week 1

Week 2

Day 2: 4/25/22

- ITProTV lab 1: Operating System Types and Features
- **Lesson 1: Supporting Operating Systems – part 2**
 - Manage Files in Windows
 - Manage Disks in Windows
 - Manage Devices in Windows
- **Lesson 2: Installing and Configuring PC**

Components

- Downloading and Installing Virtual Box
- Install Windows 10 in Virtual Box

Day 3: 4/27/22

- Read Lesson 2: Installing and configuring PC components
 - Common connection interfaces
 - Install Peripheral devices
- Read Lesson 3: Installing, Configuring, and Troubleshooting Display and multimedia devices
- Lab 2: Implementing Different Boot Methods and Types of Operating System Installation
- Lab 3: Disk Partitioning Methods and File Systems

Week 3

Day 4: 5/2/22

- Lesson 4: Installing, Configuring, and Troubleshooting Storage Devices
- Lab 5: Using Microsoft Command Line Tools

Day 5: 5/4/22

- Lesson 5: Installing, Configuring, and Troubleshooting Internal Systems Components
- Lesson 6: Installation, Configuring, and Maintaining Operating Systems
- Lab 6: Using Microsoft Operating Systems Tools and Features

Week 4:

Day 6: 5/9/22

- Lesson 7: Maintaining and Troubleshooting Microsoft Windows

Day 7: 5/11/22

- Lesson 8: Network Infrastructure Concepts

Virtual Labs

1. Operating System Types and Features [Launch >>](#)
[11 Exercises](#)
2. Implementing Different Boot Methods and Types of Operating System Installation [Launch >>](#)
[5 Exercises](#)
3. Disk Partitioning Methods and File Systems [Launch >>](#)
[5 Exercises](#)
4. Installing System Configuration Settings [Launch >>](#)
[9 Exercises](#)
5. Using Microsoft Command Line Tools [Launch >>](#)
[4 Exercises](#)
6. Using Microsoft Operating System Tools and Features [Launch >>](#)
[7 Exercises](#)
7. Microsoft Windows System Utilities [Launch >>](#)
[4 Exercises](#)
8. Using Microsoft Windows Control Panel Utilities [Launch >>](#)
[6 Exercises](#)
9. Using Microsoft Windows Control Panel's User Related Utilities [Launch >>](#)
[11 Exercises](#)
10. Application Software Installation and Configuration Methods [Launch >>](#)
[7 Exercises](#)

Practice Tests

CompTIA - 220-1001 A+ Core Exam 1

- [A+ Core Exam 1 Simulation Questions | CybersecurityHoy](#)

CompTIA - 220-1002 A+ Core Exam 2

- [Operating Systems](#)

References

1. [Dashboard – ITProTV](#)

How to Videos

1. [How to Use VirtualBox | Beginners Guide to VirtualBox - YouTube](#)
2. [Change a Windows Password - Testout](#)
- 3.

Tools

1. [Oracle VM VirtualBox](#)
2. [Download Windows 10 \(microsoft.com\)](#)
3. [VirusTotal - Home](#)
4. [<https://www.hirensbootcd.org/download/>](#)
5. [Rufus 3.18 Download | TechSpot](#)