

Getting Started in IT

OVERVIEW

Release date: January 1, 2021

Micro-course length: From 4 hours onwards

Micro-course format: Online accessible through Kivuto, or D2L

Delivery: Instructor-led or self-paced

Upon completion: Users will be ready for the various Core Technical Skill course tracks

Access link:

<https://www.vmware.com/go/gettingstarted>

Summary

Through VMware IT Academy, "Getting Started in IT" provides an overview of the key concepts related to the world of IT. Upon completion of this micro-course, the learner will have the basic understanding of compute, software, datacenters, cloud. Additionally, the learner will be able to set up a virtual machine and create a web page in html. As outcomes the student will learn the basic IT concepts, and be able to set up a small-scale datacenter themselves:

- Virtual network
- DNS server
- File Server
- Web Server
- VPN Server
- Firewall
- E-mail Server

Prerequisites

Learners should be proficient in the English language.

Target audience

- o Upper-secondary students
- o Community college/technical college
- o College and university
- o Technical learners/professionals



Modules

- A. Basic IT Concepts
 - 1. Computer Components
 - 2. Binary
 - 3. Operating Systems
 - 4. Applications
 - 5. Software Development
 - 6. Networks
 - 7. Virtualization
 - 8. Data Centers
 - 9. Cloud Computing
 - 10. Cyber Security
 - 11. Containerization Concepts
- B. Virtualization Hands-On
 - 1. Create a Virtual Machine
 - 2. Verify Connectivity
 - 3. Deploy an Operating System
 - 4. Sharing files between Host and VM
 - 5. Managing Virtual Machines
 - 6. VM's & Networking**
- C. Operating Systems Hands-On
 - 1. Files and Folders Best Practices
 - 2. Basic CLI Commands
 - 3. Installing and Uninstalling Applications
 - 4. File Servers**
- D. Networking Hands-On
 - 1. OSI Layer 1: Physical
 - 2. OSI Layer 2: Data Link
 - 3. OSI Layer 3: Network
 - 4. OSI Layer 4: Transport
 - 5. OSI Layer 5,6,7: Session, Presentation, Application
 - 6. Firewalls and Next-Gen Firewalls
- 7. Email Servers**
- E. HTML & WWW Hands-On
 - 1. Internet Infrastructure
 - 2. Web Servers**
 - 3. HTML Basics
 - 4. HTML Page Creation 1
 - 5. HTML Page Creation 2
 - 6. HTML Editors
- F. Intrinsic Security Hands-On
 - 1. Cybersecurity and intrinsic security
 - 2. Security solutions
 - 3. Encryption
 - 4. Firewalls**
 - 5. Internet Facing and DNS**
- G. Containers Hands-On
 - 1. Container virtualization
 - 2. Container images
 - 3. Container applications

*** To be released soon:**

- Setting up a VPN

For additional information, please contact itacademy@vmware.com.