



Module Checklist

Operating Systems & Linux Basics

By Techworld with Nana



Video Overview

- ★ Introduction to Operating Systems
- ★ Introduction to Virtual Machines (VM Part 1)
- ★ Setup a Linux Virtual Machine (VM Part 2)
- ★ Linux File System
- ★ Introduction to Command Line Interface (CLI Part 1)
- ★ Basic Linux Commands (CLI Part 2)
- ★ Package Manager - Installing Software on Linux
- ★ Vi & Vim Text Editor
- ★ Users & Permissions - Part 1
- ★ Users & Permissions - Part 2
- ★ Basic Linux Commands - Pipes & Redirects (CLI Part 3)
- ★ Shell Scripting - Part 1 (Intro to Shell Scripting)
- ★ Shell Scripting - Part 2 (Basic Concepts & Syntax)
- ★ Shell Scripting - Part 3 (Basic Concepts & Syntax)
- ★ Environment Variables
- ★ Networking
- ★ SSH - Secure Shell

Gitlab Repository	
Linux Commands used in the videos	https://gitlab.com/devops-bootcamp3/linux

Check your progress... 1/4

Introduction to Operating Systems

- ☒ Watched video

Introduction to Virtual Machines (VM Part 1)

- ☒ Watched video

Setup a Linux Virtual Machine (VM Part 2)

- ☒ Watched video
- ☒ **Demo executed**
 - ☒ Setup VirtualBox
 - ☒ Setup Linux Virtual Machine

Useful Links:

- Download VirtualBox: <https://www.virtualbox.org/wiki/Downloads>
- Download Ubuntu: <https://ubuntu.com/download/desktop>

Linux File System

- ☒ Watched video

Introduction to Command Line (CLI Part 1)

- ☒ Watched video



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Basic Linux Commands (CLI Part 2)

- ☐ Watched video
- ☐ Demo executed

Useful Links:

- Cheat Sheet: <https://cheatography.com/davechild/cheat-sheets/linux-command-line/>
- Cheat Sheet: <https://www.guru99.com/linux-commands-cheat-sheet.html>



Package Manager - Installing Software on Linux

- ☐ Watched video
- ☐ Demo executed

Useful Links:

- Snap Package Manager: <https://snapcraft.io/>

Vi & Vim Text Editor

- ☐ Watched video
- ☐ Demo executed

Useful Links:

- Cheat Sheet: <https://vim.rtorr.com/>

Users & Permissions - Part 1

- ☐ Watched video
- ☐ Demo executed

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Users & Permissions - Part 2

- ☐ Watched video
- ☐ Demo executed

Basic Linux Commands - Pipes & Redirects (CLI Part 3)

- ☐ Watched video
- ☐ Demo executed

Shell Scripting Part 1 - Intro to Shell Scripting

- ☐ Watched video
- ☐ Demo executed

Shell Scripting Part 2 - Basic Concepts & Syntax

- ☐ Watched video
- ☐ Demo executed

Shell Scripting Part 3 - Basic Concepts & Syntax

- ☐ Watched video
- ☐ Demo executed



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Environment Variables

- ☐ Watched video
- ☐ Demo executed

Networking

- ☐ Watched video

SSH - Secure Shell

- ☐ Watched video
- ☐ Demo executed
 - ☐ Create remote server on DigitalOcean
 - ☐ Generate SSH Key Pair on your computer
 - ☐ Copy Bash Script via SCP
 - ☐ Execute Bash Script on the remote server
 - ☐ Don't forget to delete Droplet when you are done!

