**Linux Admin**

Alexander M. Hendren

Nova Scotia Community College, Cyber Security

OSYS1020/4068

Russell Munday

December 12th, 2024

Table of Contents

[Creating the VM 3](#_Toc184917868)

[Moving the Home Folder 4](#_Toc184917869)

[User Management 5](#_Toc184917870)

[Package Management 6](#_Toc184917871)

[UFW Configuration 7](#_Toc184917872)

[Scirpting 7](#_Toc184917873)

[NMAP Scan 8](#_Toc184917874)

[Gold Copy 9](#_Toc184917875)

# Creating the VM

In this section, we will be creating a mint VM.

A screenshot of a computer

Description automatically generated

In the screenshot above, we have created our virtual machine.

A screenshot of a computer

Description automatically generated

In the screenshot above, we are installing updates

# Moving the Home Folder

In this section, we will be moving the home folder to our other drive.

A screenshot of a computer

Description automatically generatedA screenshot of a computer program

Description automatically generated

In the screenshots above, we have moved our home folder.

# User Management

A screenshot of a computer

Description automatically generated

In the screenshot above, we have created a new user, LinuxAdmin.

# Package Management

In this section, we will be installing Apache and managing packages.

A screenshot of a computer

Description automatically generatedA screen shot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generated

In the screenshots above, we have installed Apache and are listing all installed packages. The command for this is dpkg –list.

# UFW Configuration

A screenshot of a computer screen

Description automatically generated

In the screenshot above, we have allowed ssh and http traffic on two ports.

# Scirpting

A screen shot of a computer

Description automatically generated

A screenshot of a computer program

Description automatically generated

A screenshot of a computer screen

Description automatically generated

In the screenshots above, we have created a script to backup our directory at midnight every night.

# NMAP Scan

A screenshot of a computer

Description automatically generated

In the screenshot above, we have scanned for open ports against our vm.

# Gold Copy

A screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generated

In the screenshots above, we have created a snapshot and a backup of our vm.