Navigating the File System

Module 4

Module Duration: 1 Hour

Module Objectives:

1. Learn how the Linux File System is constructed
2. Familiarize yourself with basic Linux commands and files
3. Understand network essentials
4. Learn what IP addresses are and how they are used
5. Connect your virtual machines to the Internet

Module Lesson

Component	Title	Purpose
1. Slideshow (20 minutes)	Navigating Linux File System	Learn the basic commands you need to navigate your VM

3. Activity 1 (30 minutes)	Configuring Network Settings	Establish internet connection on virtual machine
2. Activity 2 (10 minutes)	Hide and Seek	Practice your navigation skills within the file system
4. Cheat Sheet (varies)	Linux Commands Cheat Sheet	Basic Commands Dictionary

Note: All activities designed for this module are hands-on. The speed at which the activities can be completed will vary. Each module should approximately take one club meeting or class period to complete.

Additional Resources:

- How the internet works.
  - ▶ Lesson 6: Demystifying the Internet (Part 1)
  - ▶ Lesson 7: Demystifying the Internet (Part 2)
  - ▶ Lesson 8: Demystifying the Internet (Part 3)
- Linux Basics
  - Data Science Tutorials - 02 Linux for Beginners
- VMware Glossary