CYBRARY

Course Syllabus

Kali Linux Fundamentals

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Course Description and Goals

Course Description: Have you always wanted to get into ethical hacking but weren't sure where to start? Have you researched tools for penetration testing but can't find a concise, easy to follow resource to get you up to speed? In this course you will learn about an industry standard tool for penetration and security testing, Kali Linux. Once you have completed this course you should have proficiency with the terminology, basic components, and tools associated with Kali Linux.

Prerequisites: Students should have a knowledge base in the following areas:
- Basic hardware knowledge
- Basic networking knowledge
- Basic technical terminology understanding

Course Goals: By the end of this course, students should be able to:
- ☐ Understand basic terminology as it relates to the Kali distribution
- ☐ Be able to conduct basic activities such as installation, troubleshooting, and navigation of the distribution
- ☐ Have a basic understanding of the Kali distribution tools

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Course Outline

Module 1| Introduction

      1.1 Instructor Introduction
      1.2 A Disclaimer

Module 2| Getting Started and Terminology
      2.1 The Beginning
      2.2 Getting Kali Up and Running
      2.3 Moving Around
      2.4 Module Summary

Module 3| The Terminal and File System
      3.1 Terminal Use
      3.2 File System
      3.3 Useful Commands
      3.4 Module Summary

Module 4| Networking, Services, and Managing Users
      4.1 Basic Network Commands
      4.2 Services
      4.3 Managing Users
      4.4 Module Summary

Module 5| Troubleshooting
      5.1 Troubleshooting Basics
      5.2 The Tools Chest
      5.3 Module Summary

Module 6| Course Assessment
      6.1 Kali Fundamentals Course Assessment