

Username: Palm Beach State College IP Holder **Book:** Kali Linux – Assuring Security by Penetration Testing. No part of any chapter or book may be reproduced or transmitted in any form by any means without the prior written permission for reprints and excerpts from the publisher of the book or chapter. Redistribution or other use that violates the fair use privilege under U.S. copyright laws (see 17 USC107) or that otherwise violates these Terms of Service is strictly prohibited. Violators will be prosecuted to the full extent of U.S. Federal and Massachusetts laws.

Chapter 1. Beginning with Kali Linux

This chapter will guide you through the wonderful world of **Kali Linux**—a specialized Linux distribution for the purpose of penetration testing. In this chapter, we will cover the following topics:

- A brief history of Kali
- Several common usages of Kali
- Downloading and installing Kali
- Configuring and updating Kali

At the end of this chapter, we will describe how to install additional weapons and how to configure Kali Linux.

A brief history of Kali Linux

Kali Linux (Kali) is a Linux distribution system that was developed with a focus on the penetration testing task. Previously, Kali Linux was known as **BackTrack**, which itself is a merger between three different live Linux **penetration testing** distributions: IWHAX, WHOPPIX, and Auditor.

BackTrack is one of the most famous Linux distribution systems, as can be proven by the number of downloads that reached more than four million as of BackTrack Linux 4.0 pre final.

Kali Linux Version 1.0 was released on March 12, 2013. Five days later, Version 1.0.1 was released, which fixed the USB keyboard issue. In those five days, Kali has been downloaded more than 90,000 times.

The following are the major features of Kali Linux (<http://docs.kali.org/introduction/what-is-kali-linux>):

- It is based on the Debian Linux distribution
- It has more than 300 penetration testing applications
- It has vast wireless card support
- It has a custom kernel patched for packet injection
- All Kali software packages are GPG signed by each developer
- Users can customize Kali Linux to suit their needs
- It supports ARM-based systems