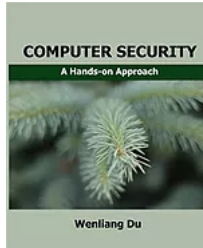


# COMPUTER SECURITY

## A Hands-on Approach

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### The Book (Published on October 12, 2017)



This book is for students, computer scientists, computer engineers, programmers, software developers, network and system administrators, and others who want to learn the principles of computer security and understand how various security attacks and countermeasures work.

- The book takes a **hands-on approach** by explaining theories via specially designed activities.
- The hands-on activities are based on the author's widely adopted [SEED Labs](#), which have been used by over **800 institutes worldwide**.
- All the hands-on activities are conducted in a [virtual machine](#) provided by the author. Everything needed for the activities has already been set up; readers just need to download the VM (free), launch it using VirtualBox, and they can immediately work on the activities in the book. The VM is also available via the Amazon EC2 cloud.

### Contents

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### Sample Chapters

- Chapter 4: [Buffer Overflow Attack](#)
- Chapter 13: [Attack on the TCP Protocol](#)

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