



# The Network Security Test Lab: A Step-by-Step Guide

By Michael Gregg

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**The Network Security Test Lab: A Step-by-Step Guide** By Michael Gregg

**The ultimate hands-on guide to IT security and proactive defense**

*The Network Security Test Lab* is a hands-on, step-by-step guide to ultimate IT security implementation. Covering the full complement of malware, viruses, and other attack technologies, this essential guide walks you through the security assessment and penetration testing process, and provides the set-up guidance you need to build your own security-testing lab. You'll look inside the actual attacks to decode their methods, and learn how to run attacks in an isolated sandbox to better understand how attackers target systems, and how to build the defenses that stop them. You'll be introduced to tools like Wireshark, Networkminer, Nmap, Metasploit, and more as you discover techniques for defending against network attacks, social networking bugs, malware, and the most prevalent malicious traffic. You also get access to open source tools, demo software, and a bootable version of Linux to facilitate hands-on learning and help you implement your new skills.

Security technology continues to evolve, and yet not a week goes by without news of a new security breach or a new exploit being released. *The Network Security Test Lab* is the ultimate guide when you are on the front lines of defense, providing the most up-to-date methods of thwarting would-be attackers.

- Get acquainted with your hardware, gear, and test platform
- Learn how attackers penetrate existing security systems
- Detect malicious activity and build effective defenses
- Investigate and analyze attacks to inform defense strategy

*The Network Security Test Lab* is your complete, essential guide.

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### Editorial Review

From the Back Cover

#### **A practitioner's guide to achieving critical network security**

*The Network Security Test Lab* sets you up for success defending your company's network against a full complement of today's most-damaging malware, viruses, and other attack technologies. Written to be a practitioner's tool, this convenient resource will show you how to dissect network packets and gives you reliable strategies for defending against a variety of threats—including network attacks, crimeware, malware, and the most-prevalent malicious traffic—and trains you on the software used by the top experts in the field to implement your unique plan, including Wireshark, Networkminer, Nmap, Metasploit, and more.

Step-by-step instruction begins with explaining how to accurately assess your network's security and establish processes to test penetration. Keep your security strong by setting up your own security-testing lab inside where you can simulate attacks in isolation to observe how systems are targeted and to customize better defenses to stop them.

*This complete guide is your introduction to mastering:*

- The best hardware and gear to develop your own test platform
- All the ways attackers penetrate vulnerable security systems
- Detection of malicious activity and effective defense responses
- Defense-strategy authoring based on investigation and analysis

About the Author

**MICHAEL GREGG** is CEO of Superior Solutions. He is the author of twenty security books, including Security+ Street Smarts, and a regular contributor to Huffington Post, SearchNetworking.com, and other periodicals. During his twenty years working in security, networking, and Internet technology, he has testified before U.S. Congress and has developed a variety of learning tools for colleges and training organizations.

### Users Review

**From reader reviews:**

**Freddie Patton:**

This *The Network Security Test Lab: A Step-by-Step Guide* is great publication for you because the content that is full of information for you who have always deal with world and get to make decision every minute. This particular book reveal it details accurately using great coordinate word or we can declare no rambling sentences within it. So if you are read it hurriedly you can have whole info in it. Doesn't mean it only will give you straight forward sentences but tricky core information with lovely delivering sentences. Having *The Network Security Test Lab: A Step-by-Step Guide* in your hand like getting the world in your arm, facts in it is not ridiculous 1. We can say that no reserve that offer you world within ten or fifteen moment right but this reserve already do that. So , this can be good reading book. Heya Mr. and Mrs. hectic do you still doubt

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**Dorothy Penland:**

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**Agatha Draper:**

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