

GNU/Linux Hacking/Security

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Overview

- ⇒ Ethical Hacking and Security
- ⇒ 10 General Security Rules
- ⇒ GNU/Linux Hacking and Security
- ⇒ What's Next?

Hacking

- ⇒ Needs of solution
- ⇒ Exploration
- ⇒ Strengthening skill and capabilities
- ⇒ Practicing not just theorizing
- ⇒ Creative changes and challenge
- ⇒ Overcoming limitation
- ⇒ Special skill

Security

- ⇒ Process not Product
- ⇒ Confidentiality
- ⇒ No or minimal risk/threat
- ⇒ Integrity
- ⇒ Availability and Recovery
- ⇒ Detection
- ⇒ Continuity
- ⇒ Small is Beautiful
- ⇒ Can be measured (percentage)

10 General Security Rules

Seth T. Ross, UNIX System Security Tools

- ⇒ Security Through Obscurity Doesn't Work
- ⇒ Full Disclosure of Bugs and Holes Benefits Security
- ⇒ System Security Degrades in Direct Proportion to Use
- ⇒ Do it Right Before Someone Does it Wrong for You
- ⇒ The Fear of Getting Caught is the Beginning Wisdom
- ⇒ There's Always Someone Out There Smarter, More Knowledgeable, or Better-Equipped Than You
- ⇒ There Are No TurnKey Solutions
- ⇒ Good and Evil Blend into Gray
- ⇒ Think Like the Enemy
- ⇒ Trust is Relative Concept

GNU/Linux Hacking and Security

Two sample of its domain:

- ➔ Programming
 - ✓ System
 - ✓ Desktop
 - ✓ Web
 - ✓ Utility
 - ✓ ...
- ➔ Network Security
 - ✓ Auditing
 - ✓ Penetration testing
 - ✓ Disaster Recovery
 - ✓ Utility
 - ✓ ...

What's Next?

- ⇒ Don't give up
- ⇒ Keep it simple
- ⇒ Open mind
- ⇒ Special topics
- ⇒ Step by step
- ⇒ Create HackValue
- ⇒ Sharing knowledge/information
- ⇒ Access and hacking facilities
- ⇒ “Social Networking”
- ⇒ Continuity

References

- ➔ UNIX System Security Tools, Seth T. Ross, McGraw-Hill
- ➔ Jargon File v4.3.1, Eric S. Raymond, <http://catb.org/~esr>