



Ethical Hackers

(...isn't that an oxymoron?)

Ethical Hackers



- Follows a similar methodology, but:
 - Includes permission from organization
 - Documents all steps
 - All actions are reversible
 - Does no harm to the target systems

- Goal is to assess the organization's strengths and weaknesses and develop a security methodology

Hacker's Methodology



Performing
Reconnaissance



Scanning
and
Enumeration



Gaining
Access



Escalation
of
Privilege



Maintaining
Access



Covering
Tracks
and
Placing
Backdoors

Pre-Attack Steps

Risk Level



Ethical Hacker's Methodology



Ethical Hacker's Methodology



Get Permission



- Ethical hackers are employed or contracted to conduct penetration testing
- Hacking is a felony in the United States...
 - If you don't have written authorization to probe the network, you are breaking the law
- **Always have written permission** from the organization prior to conducting the penetration testing

Get Permission



- Ethical hackers
- CC



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- S
-

...written authorization to
...work, you are breaking the law

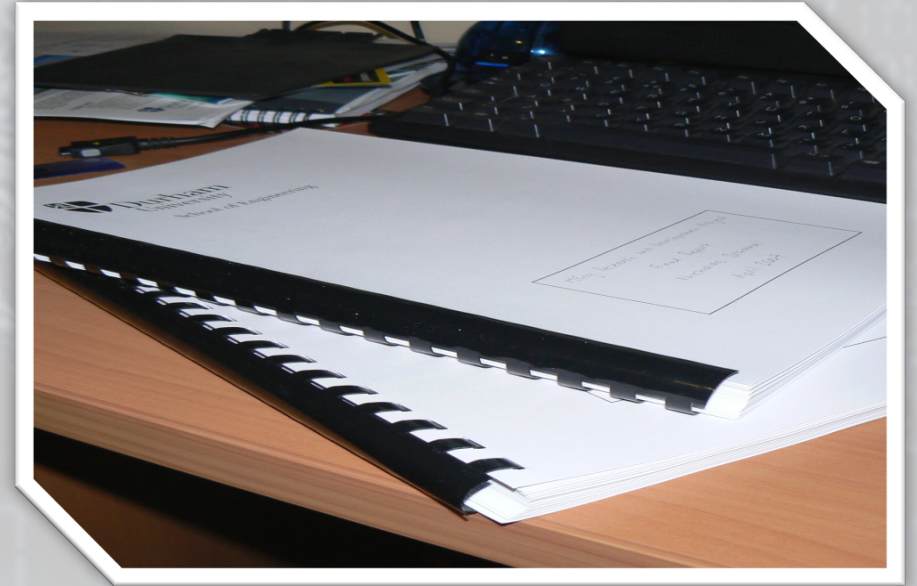
- Always have written permission from the organization prior to conducting the penetration testing

Ethical Hacker's Methodology



Reporting

- Last step of ethical hacking
- Compile a list of vulnerabilities found, methods used to exploit the systems
- Provide recommendations for system/network upgrades or changes
- Prioritize your report recommendations in order of importance
- **Be clear, be concise, be useful!**





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