



CEH Summarized --

Simple Exam Guide 2021

MANK

Contents

0. Introduction	14
Fundamental Security Concepts	14
Security, Functionality and Usability balance.....	15
Types of Hackers.....	15
Hacking Vocabulary	16
Threat Categories	17
Attack Vectors	18
Attack Types	19
1. Operating System	19
2. Application Level.....	19
3. Misconfiguration.....	19
4. Shrink-Wrap Code.....	19
Vulnerabilities	20
Vulnerability Categories	21
Pen Test Phases (CEH)	21
The Five Stages of Ethical Hacking	22
1. Reconnaissance.....	22
2. Scanning & Enumeration	22
3. Gaining Access	22
4. Maintaining Access.....	23
5. Covering Tracks	23
Three Types of Active Defense.....	23
Information Assurance (IA)	23
Information Security Management Program	24
EISA - Enterprise Information Security Architecture	24
Physical Security Controls	25
Types of Security Controls	26
Managing the Risk	26
Risk matrix	26
Risk Management.....	27
Phases of Risk Management.....	27
Threat Modeling	29

Security Policies	29
Security Policy - Examples	30
Security Policy - Types	31
Security Policy - Creation Steps	31
Incident Management Process	31
Incident Response Team Duties	32
SIEM - Security Information and Event Management	32
Identity and Access Management	36
1. Identification	36
2. Authentication	37
3. Authorization concepts	37
4. Accounting	37
Access Controls Models	37
Data Loss Prevention (DLP)	39
Data Backup	39
Backup Strategies	40
3 Backup methods	40
Penetration Test - Basics	42
Law Categories	42
Laws and Standards:	42
OSSTM Compliance	42
PCI-DSS	43
ISO 27001	43
ISO 27002 AND 17799	44
HIPAA	44
SOX	44
DMCA	44
FISMA	44
NIST-800-53	44
FITARA	44
COBIT	44
GLBA	45
CSIRT	45