

Coverage of Each Volume in the 3rd Edition

Volumes: *Computer & Internet Security (C&I)*, *Computer Security (C)*, *Internet Security (I)*

Chapters in red means the chapter is **new** in the 3rd edition.

	Chapters	C&I	C	I
Software Security (9)	Linux security basics	√	√	
	Set-UID programs	√	√	
	Environment variables & attacks	√	√	
	Buffer overflow	√	√	
	Return-to-libc attack	√	√	
	Format string	√	√	
	Race condition	√	√	
	Dirty COW	√	√	
	Shellcode	√	√	
Network Security (13)	Network security basics	√		√
	MAC layer and attacks			√
	IP layer and attacks			√
	Packet sniffing and spoofing			√
	UDP and attacks			√
	TCP and attacks	√		√
	Firewall	√		√
	VPN	√		√
	Tunneling and firewall evasion			√
	DNS and attacks	√		√
	DNSSEC			√
	BGP and attacks			√
	Heartbleed			√
Web Security	Web security basics	√	√	√
	Cross-Site Request Forgery	√	√	√
	Cross-Site Scripting	√	√	√
	SQL Injection	√	√	√
	Clickjacking	√	√	√
	Shellshock	√	√	√
Cryptography	Secret key encryption	√	√	√
	One-way hash function	√	√	√
	Public key cryptography	√	√	√
	Public key infrastructure	√	√	√
	Transport layer security (TLS)			√
	Bitcoin and Blockchain			√
misc.	Meltdown attack	√	√	
	Spectre attack	√	√	
	Reverse shell	√	√	√
Total # of pages:		725	543	701