${f A}$	\mathbf{B}
AAD34–16	Backdoor
Access Point Renegade2–75	Application-Level
Account1–71	BackdoorFactory3–53, 3–146
Harvesting4–91	Capabilities
Harvesting (Defense)	
ACK Scan2–93	Backup
ACK Scanning	Bad Characters
Active Defense Harbinger Distribution1–107	Badsum
~	Base64
ActiveX	Bash
Add'n'edit Cookie	$BCP \rightarrow Business Continuity Plan \dots$
Address Space Layout Randomization 3–109	Beacon
$ADHD \rightarrow Active Defense Harbinger Distribution$	BEAST
Advanced Threat Analytics (Microsoft)5–117	$\operatorname{Beef} \to \operatorname{Browser} \operatorname{Exploitation} \operatorname{Framework} \dots$
AFRINIC2–20	Bell-LaPadula4–123
AIDE1–258	BetterCap3-51, 3-53, 3-58
Air Magnet2–75	BeyondTrust2–119
Aircrack-ng2-64	bg
Aldrick Ames1–187	BGP Hijacking
Ankle Biters	Defense
Anonymous Remailer2–10	Binders
Anti-disclosure2–9	BIOS
Anti-Rootkit	BlackShade
AntiPhishing.org	
API Hooking	Blame game
APNIC2–2020	BloodHound
Application Data	Blowfish
	BlueCoat1–172
Snarfing	BluePill 5–58
Application Whitelisting3–121, 3–145	bonk4–161
applocker3–121	Bot4-66
apropos1–243	Communication
Arbor Networks	Defense
ARIN2–20	Distribution4-67
Armitage3–113	Functionality4-72
ARP3–48, 1–252	Herder4-66
ArpScan2–142	Botnet 4–66
ArpSpoof3-51	Bounce operation
ARPWatch	BreachAlarm
Cache poisoning	Bro
Display 🙆	Browser Cache 4–132
Display 🐉3–85	Browser Exploitation Framework 4–76, 4–120
Preload4–185	Brute-force Attack
Scan2–93	btmp
Spoofing3–49	Buffer Overflow
Aruba Networks	Defense
ASLEAP	
$ASLR \rightarrow Address Space Layout Randomization$	Exploit
$ASN \rightarrow Autonomous System Number$	Exploitation Steps3–102
· ·	Bugtraq1–15
Assembly	Burp
at	Business Continuity Plan1–10
Audit Log Configuration1–89	Bypass3–136
Aurora1–160	
Auto Start Entry Point1–69, 1–142	
Autonomous System Number3–8	\mathbf{C}
Autopsy1–41	
autoruns.exe1-69	Cain4-16, 4-24
autorunssc.exe1–141	Cain and Abel4-10, 4-23
awk 5–143	Canary 3–124

Ciliti	O-WDA++
Canonicalization	CONTRACTOR
CasFax	CPU Hog
cat	Crack Station
cat 💆	Cracker
cd	Crawler 2–33
Center for Internet Security5–64, 1–77	Credential
Chain of Custody	Bypass
CheatSheets	Harvesting
Checklist	Credentialed scan
Child Pornography	Credentials Hacking2–67
Chkrootkit	CRIME
Chris Truncer	crontab
CIS Hardening Guidelines 1–258 CISCO 2–75	Cross-Site Scripting 4-113 Admin 4-122
Cisco Guard DDoS Mitigation	Admin 4–122 Anti-XSS
Cisco Guard DDos Mitigation 4–171 Citrix NetScaler 4–150	
CloudFlare	Defense
	Evidence
Code Cave	Example
Code Checking Tools	Internal System
COM+	Reflected
Command Injection	Stored
Defense	Walkthrough
Command Post	Crown Jewels 1–161, 1–182
CommandLineKungFu 1–126 Communication Channels 1–52	cryptcat
	Crypto Key
Computer Staff (College, University)1–109	CVE Mitre
Cone of Silence	Cyber Crime Law
configure	CyberCPR
Connect Scan	CyberSponse1–104
Connection Broker3–11	
Connection Data	D
Containment	D
Containment Deployment	Damage 1–95
Containment 1-101 Long-term 1-113-114	Damage
Containment 1-101 Deployment 1-113-114 Long-term 1-113-114 Managment 1-103	Dameware
Containment 1-101 Deployment 1-113-114 Long-term 1-113-114 Managment 1-103 Objective 1-99	Dameware
Containment 1-101 Deployment 1-113-114 Long-term 1-113-114 Managment 1-103 Objective 1-99 Short-term 1-107-108	Dameware
Containment 1-101 Deployment 1-101 Long-term 1-113-114 Managment 1-103 Objective 1-99 Short-term 1-107-108 Sub-phases 1-100	Dameware .5–9 Dan Kaminisky .3–11, 2–97 Data Execution Prevention .3–123 Data Link Layer Vulnerability .3–51
Containment 1-101 Deployment 1-101 Long-term 1-113-114 Managment 1-103 Objective 1-99 Short-term 1-107-108 Sub-phases 1-100 Contains and Clear 1-22	Dameware .5-9 Dan Kaminisky .3-11, 2-97 Data Execution Prevention .3-123 Data Link Layer Vulnerability .3-51 Data Loss Prevention .4-111
Containment 1-101 Deployment 1-101 Long-term 1-113-114 Managment 1-103 Objective 1-99 Short-term 1-107-108 Sub-phases 1-100 Contains and Clear 1-22 Continuing Operation 1-112	Dameware .5–9 Dan Kaminisky .3–11, 2–97 Data Execution Prevention .3–123 Data Link Layer Vulnerability .3–51 Data Loss Prevention .4–111 DataSentinel .5–67
Containment 1-101 Long-term 1-113-114 Managment 1-103 Objective 1-99 Short-term 1-107-108 Sub-phases 1-100 Contains and Clear 1-22 Continuing Operation 1-112 Copyright 1-182	Dameware 5–9 Dan Kaminisky 3–11, 2–97 Data Execution Prevention 3–123 Data Link Layer Vulnerability 3–51 Data Loss Prevention 4–111 DataSentinel 5–67 Dave Hull 1–140
Containment 1-101 Long-term 1-113-114 Managment 1-103 Objective 1-99 Short-term 1-107-108 Sub-phases 1-100 Contains and Clear 1-22 Continuing Operation 1-112 Copyright 1-182 Counter Hack Challenge 1-37	Dameware 5–9 Dan Kaminisky 3–11, 2–97 Data Execution Prevention 3–123 Data Link Layer Vulnerability 3–51 Data Loss Prevention 4–111 DataSentinel 5–67 Dave Hull 1–140 dd 1–41, 1–178
Containment 1-101 Long-term 1-113-114 Managment 1-103 Objective 1-99 Short-term 1-107-108 Sub-phases 1-100 Contains and Clear 1-22 Continuing Operation 1-112 Copyright 1-182 Counter Hack Challenge 1-37 Counting	Dameware 5-9 Dan Kaminisky 3-11, 2-97 Data Execution Prevention 3-123 Data Link Layer Vulnerability .3-51 Data Loss Prevention 4-111 DataSentinel .5-67 Dave Hull 1-140 dd .1-41, 1-178 DeathStar .2-143
Containment 1-101 Long-term 1-113-114 Managment 1-103 Objective 1-99 Short-term 1-107-108 Sub-phases 1-100 Contains and Clear 1-22 Continuing Operation 1-112 Copyright 1-182 Counter Hack Challenge 1-37 Counting command 4-174	Dameware 5-9 Dan Kaminisky 3-11, 2-97 Data Execution Prevention 3-123 Data Link Layer Vulnerability .3-51 Data Loss Prevention 4-111 DataSentinel 5-67 Dave Hull 1-140 dd 1-41, 1-178 DeathStar 2-143 debsums 1-251
Containment 1-101 Long-term 1-113-114 Managment 1-103 Objective 1-99 Short-term 1-107-108 Sub-phases 1-100 Contains and Clear 1-22 Continuing Operation 1-112 Copyright 1-182 Counter Hack Challenge 1-37 Counting command command 4-174 connections (established,linux) 4-188	Dameware 5-9 Dan Kaminisky 3-11, 2-97 Data Execution Prevention 3-123 Data Link Layer Vulnerability 3-51 Data Loss Prevention 4-111 DataSentinel 5-67 Dave Hull 1-140 dd 1-41, 1-178 DeathStar 2-143 debsums 1-251 Debug Priviledge 5-45
Containment 1-101 Long-term 1-113-114 Managment 1-103 Objective 1-99 Short-term 1-107-108 Sub-phases 1-100 Contains and Clear 1-22 Continuing Operation 1-112 Copyright 1-182 Counter Hack Challenge 1-37 Counting 1-37 Counting 4-174 connections (established,linux) 4-188 connections (established,win) 4-182	Dameware 5-9 Dan Kaminisky 3-11, 2-97 Data Execution Prevention 3-123 Data Link Layer Vulnerability 3-51 Data Loss Prevention 4-111 DataSentinel 5-67 Dave Hull 1-140 dd 1-41, 1-178 DeathStar 2-143 debsums 1-251 Debug Priviledge 5-45 Deception 1-164
Containment 1-101 Long-term 1-113-114 Managment 1-103 Objective 1-99 Short-term 1-107-108 Sub-phases 1-100 Contains and Clear 1-22 Continuing Operation 1-112 Copyright 1-182 Counter Hack Challenge 1-37 Counting command 4-174 connections (established,linux) 4-188 connections (established,win) 4-182 connections (half-open,linux) 4-187	Dameware 5–9 Dan Kaminisky 3–11, 2–97 Data Execution Prevention 3–123 Data Link Layer Vulnerability 3–51 Data Loss Prevention 4–111 DataSentinel 5–67 Dave Hull 1–140 dd 1–41, 1–178 DeathStar 2–143 debsums 1–251 Debug Priviledge 5–45 Deception 1–164 Defense Improvement 1–120
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Dameware 5-9 Dan Kaminisky 3-11, 2-97 Data Execution Prevention 3-123 Data Link Layer Vulnerability 3-51 Data Loss Prevention 4-111 DataSentinel 5-67 Dave Hull 1-140 dd 1-41, 1-178 DeathStar 2-143 debsums 1-251 Debug Priviledge 5-45 Deception 1-164 Defense Improvement 1-120 Denial-of-Service 4-153
$\begin{array}{c ccccc} Containment & 1-101 \\ Deployment & 1-101 \\ Long-term & 1-113-114 \\ Managment & 1-103 \\ Objective & 1-99 \\ Short-term & 1-107-108 \\ Sub-phases & 1-100 \\ Contains and Clear & 1-22 \\ Continuing Operation & 1-112 \\ Copyright & 1-182 \\ Counter Hack Challenge & 1-37 \\ Counting & & & & & & & & & & \\ connections (established,linux) & 4-188 \\ connections (established,win) & 4-182 \\ connections (half-open,linux) & 4-187 \\ connections (half-open,win) & 4-179 \\ process & & & & & & & & & \\ & & & & & & & & &$	Dameware 5-9 Dan Kaminisky 3-11, 2-97 Data Execution Prevention 3-123 Data Link Layer Vulnerability .3-51 Data Loss Prevention 4-111 DataSentinel .5-67 Dave Hull .1-40 dd .1-41, 1-178 DeathStar .2-143 debsums .1-251 Debug Priviledge .5-45 Deception .1-164 Defense Improvement .1-120 Denial-of-Service .4-153 Bot .4-161
Containment 1-101 Long-term 1-113-114 Managment 1-103 Objective 1-99 Short-term 1-107-108 Sub-phases 1-100 Contains and Clear 1-22 Continuing Operation 1-112 Copyright 1-182 Counter Hack Challenge 1-37 Counting 1-37 command 4-174 connections (established,linux) 4-188 connections (established,win) 4-182 connections (half-open,linux) 4-187 connections (half-open,win) 4-179 process 4-183 process 4-178	Dameware 5-9 Dan Kaminisky 3-11, 2-97 Data Execution Prevention 3-123 Data Link Layer Vulnerability 3-51 Data Loss Prevention 4-111 DataSentinel 5-67 Dave Hull 1-140 dd 1-41, 1-178 DeathStar 2-143 debsums 1-251 Debug Priviledge 5-45 Deception 1-164 Defense Improvement 1-120 Denial-of-Service 4-153 Bot 4-161 Category 4-154
Containment Deployment	Dameware 5-9 Dan Kaminisky 3-11, 2-97 Data Execution Prevention 3-123 Data Link Layer Vulnerability 3-51 Data Loss Prevention 4-111 DataSentinel 5-67 Dave Hull 1-140 dd 1-41, 1-178 DeathStar 2-143 debsums 1-251 Debug Priviledge 5-45 Deception 1-164 Defense Improvement 1-120 Denial-of-Service 4-153 Bot 4-161 Category 4-154 Defense 4-170
Containment 1-101 Long-term 1-113-114 Managment 1-103 Objective 1-99 Short-term 1-107-108 Sub-phases 1-100 Contains and Clear 1-22 Continuing Operation 1-112 Copyright 1-182 Counter Hack Challenge 1-37 Counting command 4-174 connections (established,linux) 4-188 connections (established,win) 4-182 connections (half-open,linux) 4-187 connections (half-open,win) 4-183 process 4-183 process 4-178 Court Order 1-24 Coverity Static Analysis 3-127	Dameware 5-9 Dan Kaminisky 3-11, 2-97 Data Execution Prevention 3-123 Data Link Layer Vulnerability 3-51 Data Loss Prevention 4-111 DataSentinel 5-67 Dave Hull 1-140 dd 1-41, 1-178 DeathStar 2-143 debsums 1-251 Debug Priviledge 5-45 Deception 1-164 Defense Improvement 1-120 Denial-of-Service 4-153 Bot 4-161 Category 4-154 Defense 4-170 Distributed 4-163
Containment 1-101 Long-term 1-113-114 Managment 1-103 Objective 1-99 Short-term 1-107-108 Sub-phases 1-100 Contains and Clear 1-22 Continuing Operation 1-112 Copyright 1-182 Counter Hack Challenge 1-37 Counting 1-37 command 4-174 connections (established,linux) 4-188 connections (established,win) 4-182 connections (half-open,linux) 4-187 connections (half-open,win) 4-179 process 4-183 process 4-178 Court Order 1-24 Coverity Static Analysis 3-127 Covert Channel 5-120	Dameware 5-9 Dan Kaminisky 3-11, 2-97 Data Execution Prevention 3-123 Data Link Layer Vulnerability 3-51 Data Loss Prevention 4-111 DataSentinel 5-67 Dave Hull 1-140 dd 1-41, 1-178 DeathStar 2-143 debsums 1-251 Debug Priviledge 5-45 Deception 1-164 Defense Improvement 1-120 Denial-of-Service 4-153 Bot 4-161 Category 4-154 Defense 4-170 Distributed 4-163 Distributed (architecture) 4-164
Containment 1-101 Long-term 1-113-114 Managment 1-103 Objective 1-99 Short-term 1-107-108 Sub-phases 1-100 Contains and Clear 1-22 Continuing Operation 1-112 Copyright 1-182 Counter Hack Challenge 1-37 Counting command 4-174 connections (established,linux) 4-188 connections (established,win) 4-182 connections (half-open,linux) 4-187 connections (half-open,win) 4-179 process 4-183 process 4-178 Court Order 1-24 Coverity Static Analysis 3-127 Covert Channel 5-120 Defense 5-134, 5-145	Dameware 5-9 Dan Kaminisky 3-11, 2-97 Data Execution Prevention 3-123 Data Link Layer Vulnerability 3-51 Data Loss Prevention 4-111 DataSentinel 5-67 Dave Hull 1-140 dd 1-41, 1-178 DeathStar 2-143 debsums 1-251 Debug Priviledge 5-45 Deception 1-164 Defense Improvement 1-120 Denial-of-Service 4-153 Bot 4-161 Category 4-154 Defense 4-170 Distributed 4-163 Distributed (architecture) 4-164 Distributed (pulsing zombie) 4-166
Containment 1-101 Long-term 1-113-114 Managment 1-103 Objective 1-99 Short-term 1-107-108 Sub-phases 1-100 Contains and Clear 1-22 Continuing Operation 1-112 Copyright 1-182 Counter Hack Challenge 1-37 Counting 1-37 connections (established,linux) 4-188 connections (established,linux) 4-182 connections (half-open,linux) 4-187 connections (half-open,win) 4-183 process 4-183 process 4-178 Court Order 1-24 Coverity Static Analysis 3-127 Covert Channel 5-120 Defense 5-134, 5-145 Plain-Sight 5-136	Dameware 5-9 Dan Kaminisky 3-11, 2-97 Data Execution Prevention 3-123 Data Link Layer Vulnerability .3-51 Data Loss Prevention 4-111 DataSentinel .5-67 Dave Hull 1-140 dd .1-41, 1-178 DeathStar 2-143 debsums 1-251 Debug Priviledge .5-45 Deception 1-164 Defense Improvement 1-120 Denial-of-Service 4-153 Bot .4-161 Category .4-154 Defense .4-170 Distributed .4-163 Distributed (architecture) .4-164 Distributed (pulsing zombie) .4-166 Distributed (reflected attack) .4-165
Containment 1-101 Long-term 1-113-114 Managment 1-103 Objective 1-99 Short-term 1-107-108 Sub-phases 1-100 Contains and Clear 1-22 Continuing Operation 1-112 Copyright 1-182 Counter Hack Challenge 1-37 Counting 1-37 connections (established,linux) 4-188 connections (established,win) 4-182 connections (half-open,linux) 4-187 connections (half-open,win) 4-187 connections (half-open,win) 4-178 Court Order 1-24 Coverity Static Analysis 3-127 Covert Channel 5-120 Defense 5-134, 5-145 Plain-Sight 5-136 TCP 5-127	Dameware 5-9 Dan Kaminisky 3-11, 2-97 Data Execution Prevention 3-123 Data Link Layer Vulnerability 3-51 Data Loss Prevention 4-111 DataSentinel 5-67 Dave Hull 1-140 dd 1-41, 1-178 DeathStar 2-143 debsums 1-251 Debug Priviledge 5-45 Deception 1-164 Defense Improvement 1-120 Denial-of-Service 4-153 Bot 4-161 Category 4-154 Defense 4-170 Distributed 4-163 Distributed (architecture) 4-164 Distributed (pulsing zombie) 4-166 Distributed (reflected attack) 4-165 Flooding 2-75
Containment 1-101 Long-term 1-113-114 Managment 1-103 Objective 1-99 Short-term 1-107-108 Sub-phases 1-100 Contains and Clear 1-22 Continuing Operation 1-112 Copyright 1-182 Counter Hack Challenge 1-37 Counting 1-37 command 4-174 connections (established,linux) 4-188 connections (established,win) 4-182 connections (half-open,linux) 4-187 connections (half-open,win) 4-179 process	Dameware 5-9 Dan Kaminisky 3-11, 2-97 Data Execution Prevention 3-123 Data Link Layer Vulnerability 3-51 Data Loss Prevention 4-111 DataSentinel 5-67 Dave Hull 1-140 dd 1-41, 1-178 DeathStar 2-143 debsums 1-251 Debug Priviledge 5-45 Deception 1-164 Defense Improvement 1-120 Denial-of-Service 4-153 Bot 4-161 Category 4-154 Defense 4-170 Distributed 4-163 Distributed (pulsing zombie) 4-164 Distributed (reflected attack) 4-165 Flooding 2-75 Suite 4-161
Containment 1-101 Long-term 1-113-114 Managment 1-103 Objective 1-99 Short-term 1-107-108 Sub-phases 1-100 Contains and Clear 1-22 Continuing Operation 1-112 Copyright 1-182 Counter Hack Challenge 1-37 Counting 1-37 connections (established,linux) 4-188 connections (established,win) 4-182 connections (half-open,linux) 4-187 connections (half-open,win) 4-187 connections (half-open,win) 4-178 Court Order 1-24 Coverity Static Analysis 3-127 Covert Channel 5-120 Defense 5-134, 5-145 Plain-Sight 5-136 TCP 5-127	Dameware 5-9 Dan Kaminisky 3-11, 2-97 Data Execution Prevention 3-123 Data Link Layer Vulnerability 3-51 Data Loss Prevention 4-111 DataSentinel 5-67 Dave Hull 1-140 dd 1-41, 1-178 DeathStar 2-143 debsums 1-251 Debug Priviledge 5-45 Deception 1-164 Defense Improvement 1-120 Denial-of-Service 4-153 Bot 4-161 Category 4-154 Defense 4-170 Distributed 4-163 Distributed (architecture) 4-164 Distributed (pulsing zombie) 4-166 Distributed (reflected attack) 4-165 Flooding 2-75

Host Perimeter	Employee
Network Perimeter	Monitoring1–178
System-level (Host)	EnCase1–41
Device Driver	Enhanced Mitigation Experience Technique (Mi-
df1–257	crosoft)
Dictionary Attack	Enterprise Incident Reponse1–132
dig2–24	enum2–139
Digital Millenium Copyright Act2–9	Equipment Seizure1–24
Disaster Recovery Plan1–10	Eradication
Disclaimer	Eric Conrad1–136
Distributed Attacks	Espionage
Distributed Denial-of-Service	Identification
$DLP \rightarrow Data Loss Prevention \dots$	Ettercap
$DMCA \rightarrow Digital Millenium Copyright Act$	Event (definition)1-12
DNS3-47, 3-50, 1-134	EventLogEdit
Amplification Attack4–156	eventquery.vbs
Amplification Attack (architecture) 4–158	eventvwr.msc1-74
Display 🎉3–85	Evil Grade
EDNS 4–157	Exabeam
Foiling3-56	Exe32pack
Record2–25	Exec2VBA 5–18
Round-robin	Exec2VBS5–18
Spoofing3–58	ExpertWitness1–179
Spoofing Effect	Exploit-DB3-101
Zone transfert2–25	Exploit-db2-35
Zone transfert (defense)2–27	exploitable
DNS Servers	External Access
dnscat3–11	EyeWitness2–98
DNSCat25–132	
DNSniff	173
DNSStuff.com	${f F}$
DoDNIC2–20	
DoDNIC 2-20 Domain Name Registration 2-18	F5 Application Security Manager4–150
$ \begin{array}{cccc} \text{DoDNIC} & & & 2-20 \\ \text{Domain Name Registration} & & 2-18 \\ \text{Domain Password Spraying} & & 2-161 \\ \end{array} $	F5 Application Security Manager 4-150 False Positive 1-94
DoDNIC 2-20 Domain Name Registration 2-18 Domain Password Spraying 2-161 Drive Duplicator 1-111	F5 Application Security Manager 4-150 False Positive 1-94 Fast-flux 4-69-71
DoDNIC 2-20 Domain Name Registration 2-18 Domain Password Spraying 2-161 Drive Duplicator 1-111 DroidSheep 3-67	F5 Application Security Manager 4-150 False Positive 1-94 Fast-flux 4-69-71 fboweb 2-38
$\begin{array}{cccc} \text{DoDNIC} & 2-20 \\ \text{Domain Name Registration} & 2-18 \\ \text{Domain Password Spraying} & 2-161 \\ \text{Drive Duplicator} & 1-111 \\ \text{DroidSheep} & 3-67 \\ \text{DRP} \rightarrow \text{Disaster Recovery Plan} & & & \\ \end{array}$	F5 Application Security Manager 4-150 False Positive 1-94 Fast-flux 4-69-71 fboweb 2-38 fc 1-72
DoDNIC 2-20 Domain Name Registration 2-18 Domain Password Spraying 2-161 Drive Duplicator 1-111 DroidSheep 3-67	F5 Application Security Manager 4–150 False Positive 1–94 Fast-flux 4–69-71 fboweb 2–38 fc 1–72 fg 1–228
$\begin{array}{cccc} \text{DoDNIC} & 2-20 \\ \text{Domain Name Registration} & 2-18 \\ \text{Domain Password Spraying} & 2-161 \\ \text{Drive Duplicator} & 1-111 \\ \text{DroidSheep} & 3-67 \\ \text{DRP} \rightarrow \text{Disaster Recovery Plan} & & & \\ \end{array}$	F5 Application Security Manager 4–150 False Positive 1–94 Fast-flux 4–69-71 fboweb 2–38 fc 1–72 fg 1–228 fgdump 4–29, 4–35
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	F5 Application Security Manager 4–150 False Positive 1–94 Fast-flux 4–69-71 fboweb 2–38 fc 1–72 fg 1–228 fgdump 4–29, 4–35 fgets 3–96, 3–103
$\begin{array}{cccc} \text{DoDNIC} & 2-20 \\ \text{Domain Name Registration} & 2-18 \\ \text{Domain Password Spraying} & 2-161 \\ \text{Drive Duplicator} & 1-111 \\ \text{DroidSheep} & 3-67 \\ \text{DRP} \rightarrow \text{Disaster Recovery Plan} & & & \\ \end{array}$	F5 Application Security Manager 4–150 False Positive 1–94 Fast-flux 4–69-71 fboweb 2–38 fc 1–72 fg 1–228 fgdump 4–29, 4–35 fgets 3–96, 3–103 Fiddler 4–146
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	F5 Application Security Manager 4-150 False Positive 1-94 Fast-flux 4-69-71 fboweb 2-38 fc 1-72 fg 1-228 fgdump 4-29, 4-35 fgets 3-96, 3-103 Fiddler 4-146 File,Integrity Checking 5-67
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	F5 Application Security Manager 4–150 False Positive 1–94 Fast-flux 4–69-71 fboweb 2–38 fc 1–72 fg 1–228 fgdump 4–29, 4–35 fgets 3–96, 3–103 Fiddler 4–146
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	F5 Application Security Manager 4-150 False Positive 1-94 Fast-flux 4-69-71 fboweb 2-38 fc 1-72 fg 1-228 fgdump 4-29, 4-35 fgets 3-96, 3-103 Fiddler 4-146 File,Integrity Checking 5-67 File,Parser 3-133 Files
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	F5 Application Security Manager 4-150 False Positive 1-94 Fast-flux 4-69-71 fboweb 2-38 fc 1-72 fg 1-228 fgdump 4-29, 4-35 fgets 3-96, 3-103 Fiddler 4-146 File,Integrity Checking 5-67 File,Parser 3-133 Files large 1-72
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	F5 Application Security Manager 4–150 False Positive 1–94 Fast-flux 4–69-71 fboweb 2–38 fc 1–72 fg 1–228 fgdump 4–29, 4–35 fgets 3–96, 3–103 Fiddler 4–146 File,Integrity Checking 5–67 File,Parser 3–133 Files large 1–72 unusual 1–72
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	F5 Application Security Manager 4-150 False Positive 1-94 Fast-flux 4-69-71 fboweb 2-38 fc 1-72 fg 1-228 fgdump 4-29, 4-35 fgets 3-96, 3-103 Fiddler 4-146 File,Integrity Checking 5-67 File,Parser 3-133 Files 1-72 unusual 1-72 FIN Scan 2-93
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	F5 Application Security Manager 4–150 False Positive 1–94 Fast-flux 4–69-71 fboweb 2–38 fc 1–72 fg 1–228 fgdump 4–29, 4–35 fgets 3–96, 3–103 Fiddler 4–146 File,Integrity Checking 5–67 File,Parser 3–133 Files large 1–72 unusual 1–72 unusual 1–72 FIN Scan 2–93 find 4–174, 1–218, 1–249
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	F5 Application Security Manager 4–150 False Positive 1–94 Fast-flux 4–69-71 fboweb 2–38 fc 1–72 fg 1–228 fgdump 4–29, 4–35 fgets 3–96, 3–103 Fiddler 4–146 File,Integrity Checking 5–67 File,Parser 3–133 Files large 1–72 unusual 1–72 FIN Scan 2–93 find 4–174, 1–218, 1–249 findstr 1–83
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	F5 Application Security Manager 4-150 False Positive 1-94 Fast-flux 4-69-71 fboweb 2-38 fc 1-72 fg 1-228 fgdump 4-29, 4-35 fgets 3-96, 3-103 Fiddler 4-146 File,Integrity Checking 5-67 File,Parser 3-133 Files 1-72 unusual 1-72 FIN Scan 2-93 find 4-174, 1-218, 1-249 findstr 1-83 Firebug 4-144
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	F5 Application Security Manager 4–150 False Positive 1–94 Fast-flux 4–69-71 fboweb 2–38 fc 1–72 fg 1–228 fgdump 4–29, 4–35 fgets 3–96, 3–103 Fiddler 4–146 File,Integrity Checking 5–67 File,Parser 3–133 Files large 1–72 unusual 1–72 FIN Scan 2–93 find 4–174, 1–218, 1–249 findstr 1–83
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	F5 Application Security Manager 4-150 False Positive 1-94 Fast-flux 4-69-71 fboweb 2-38 fc 1-72 fg 1-228 fgdump 4-29, 4-35 fgets 3-96, 3-103 Fiddler 4-146 File,Integrity Checking 5-67 File,Parser 3-133 Files 1-72 unusual 1-72 FIN Scan 2-93 find 4-174, 1-218, 1-249 findstr 1-83 Firebug 4-144 FireSheep 3-67
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	F5 Application Security Manager 4-150 False Positive 1-94 Fast-flux 4-69-71 fboweb 2-38 fc 1-72 fg 1-228 fgdump 4-29, 4-35 fgets 3-96, 3-103 Fiddler 4-146 File,Integrity Checking 5-67 File,Parser 3-133 Files 1-72 unusual 1-72 FIN Scan 2-93 find 4-174, 1-218, 1-249 findstr 1-83 Firebug 4-144 FireSheep 3-67 Firewire 3-4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	F5 Application Security Manager 4-150 False Positive 1-94 Fast-flux 4-69-71 fboweb 2-38 fc 1-72 fg 1-228 fgdump 4-29, 4-35 fgets 3-96, 3-103 Fiddler 4-146 File,Integrity Checking 5-67 File,Parser 3-133 Files 1-72 unusual 1-72 FIN Scan 2-93 find 4-174, 1-218, 1-249 findstr 1-83 Firebug 4-144 FireSheep 3-67 Firewire 3-4 Fixes 1-130
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	F5 Application Security Manager 4–150 False Positive 1–94 Fast-flux 4–69-71 fboweb 2–38 fc 1–72 fg 1–228 fgdump 4–29, 4–35 fgets 3–96, 3–103 Fiddler 4–146 File,Integrity Checking 5–67 File,Parser 3–133 Files 1–72 unusual 1–72 unusual 1–72 find 4–174, 1–218, 1–249 findstr 1–83 Firebug 4–144 FireSheep 3–67 Firewire 3–4 Fixes 1–130 Flash (worm) 4–61
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	F5 Application Security Manager 4-150 False Positive 1-94 Fast-flux 4-69-71 fboweb 2-38 fc 1-72 fg 1-228 fgdump 4-29, 4-35 fgets 3-96, 3-103 Fiddler 4-146 File,Integrity Checking 5-67 File,Parser 3-133 Files 1arge 1-72 unusual 1-72 FIN Scan 2-93 find 4-174, 1-218, 1-249 findstr 1-83 Firebug 4-144 FireSheep 3-67 Firewire 3-4 Fixes 1-130 Flash (worm) 4-61 FlawFinder 3-127
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	F5 Application Security Manager 4-150 False Positive 1-94 Fast-flux 4-69-71 fboweb 2-38 fc 1-72 fg 1-228 fgdump 4-29, 4-35 fgets 3-96, 3-103 Fiddler 4-146 File,Integrity Checking 5-67 File,Parser 3-133 Files 1-72 unusual 1-72 FIN Scan 2-93 find 4-174, 1-218, 1-249 findstr 1-83 Firebug 4-144 FireSheep 3-67 Firewire 3-4 Fixes 1-130 Flash (worm) 4-61 FlawFinder 3-127 FOCA 2-41-42
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	F5 Application Security Manager 4-150 False Positive 1-94 Fast-flux 4-69-71 fboweb 2-38 fc 1-72 fg 1-228 fgdump 4-29, 4-35 fgets 3-96, 3-103 Fiddler 4-146 File,Integrity Checking 5-67 File,Parser 3-133 Files large 1-72 unusual 1-72 FIN Scan 2-93 find 4-174, 1-218, 1-249 findstr 1-83 Firebug 4-144 FireSheep 3-67 Firewire 3-4 Fixes 1-130 Flash (worm) 4-61 FlawFinder 3-127 FOCA 2-41-42 FOR 1-72

	HOIG . H. 1 O L. I. C
Fortify Source Code Analyzed3–127	$HOIC \rightarrow High Orbit Ion Canon \dots$
Fragmented Routing3–12	honeynet
FragRouter3-52	Hop Limit2–81
free	host
FTKImager 5–22	HP SPI Dynamics4–146
FTP Proxy Bounce Attack2–93	hping4–179
FU5–56	HR1–177
Full Disclosure2–9	$HSTS \rightarrow HTTP$ Strict Transport Security
Future 5–189	$\mathrm{HTCIA} \to \mathrm{High}$ Tech Crime Investigation Association
	HTTP Flood4–167
	HTTP Request Manipulation4–144
\mathbf{G}	HTTP Strict Transport Security3-68
	hub
GCat	Human Ressource
GECOS4-36	Hunting1–136
gedit1–219	Hydan
Generic Route Encapsulation4–73	detection
gets3-96, 3-103	efficency rate
getws3–103	cincency rate 9 100
ghost1–178	
GhostRAT5–9	T
Ghostwriting	-
Gmail	IANA1–56, 2–89
Golden age2–14	IAX Protocol \rightarrow Inter-Asterix Protocol
Google cache	IBM2–75
Google Dork2–35	ICMP
Google Maps	ICMP Tunnel
Google Search Engine 2–40	ICMPCmd
GrammarTech	ICMPShell
GRE \rightarrow Generic Route Encapsulation	id
grep4–174, 1–240	Idle Scan
GRR1–39	IDS
grsecurity	Evasion
Siscourity 0 122	Evasion (defense)
	Wireless
H	ifconfig
11	$IKE \rightarrow Internet Key Exchange \dots$
Hacker	IKE Crack
Hacktivism	Immunity Debugger
Handle.exe	Inappropriate Web Access1–170, 1–172
Hard-drive Encryption 3–4	Inception
Hardening Template	Incident
Harrasment	Characteristics
Hash	Definition
Hashcat	Identification
hashdump	Incident Handler Assignment
head	Incident Handling
HearthBleed	Definition
Help Desk	PICERL
Hg.org	Preparation
Hiding files 4	Steps
Hiding files *	Incident Reporting1–36
Hiding tools (Categories)	Incident response
High Orbit Ion Canon	Incident Update Report1–29
High Tech Crime Investigation Association1–25	inetd
Hijacking	
	Information Corroborating
* *	Information Corroborating1–12 Example 1–13
Defense	Example
* *	

Ingress Data	LANMAN
Initial Analysis	Disabling 4–32
Initial Assessment	hash4–16-18
Insider Activity Identification1–176	hash (benchmark)
Insider Threat1–174	Pass-the-Hash
InSSIDer2-61, 2-77	LanTurtle
Defense2-61	Law enforcement
InstallUtile-Shellcode.cs	Layer 3 Encryption
Instruction Pointer	Leak1–162
Intellectual Property	LEAP2-60, 2-64
Inter-Asterix Protocol2–54	Lenny Zeltser
Internet Key Exchange4–26	less1–221
Internet Storm Center	Lesson Learned
InterNIC	Meeting1–129
Intrusion Detection	linkcat
InvisibleSecret	LinRES1–104
IP Block2–20	Linux
IP Header2–81	Account
IPSec4–26	File structure
iptables	Files1–252
IPv6 Scanning2–93	Find unowned files
ISP1–109	Free Space1–256
	Log1–247
${ m J}$	Memory
•	Network Usage1–253
jobs1–228	Processes
John the Ripper	Scheduled Tasks
Cracking modes	Services
Input/Output4-39	Uptime
jolt4–161	
Jordan Ritter	LM Challenge
Josh Wright2-65	Local Security Authority Subsystem Service 4–49
JSteg	locate
Judy Novak2–114	Log
Jump Bag1–40-47	Log Files
	accounting 4
\mathbf{K}	Edit (windows)
17	edit 4
Kansa	Editing (Defense)5–117
Karma	Espionage1–163
Karmetasploit	Log Server 5–117
Kerberos	Log Wiper5–89
Kernel module	LogParser1–141
defense	$LOIC \rightarrow Low Orbit Ion Canon \dots$
Keylogger (JS)	LOKI
kill2–104	Long-tail Analysis
killall2–104	Low Orbit Ion Canon
Kismet2–63	ls1–215
Kiwi Syslog	$LSASS \rightarrow Local Security Authority Subsystem Ser-$
Klocword Insight Pro3–127	vice
Kon-boot3-4, 4-29	lsof $1-56$, $2-103$, $1-234$, $1-247$, $1-250$, $1-252$
	lusrmgr.msc
${f L}$	
L	${f M}$
LaBrea1–22	
LACNIC2–20	Mac Address Filtering2–72
LADS5–106	macro_safe.py

Mag Stripe	session
make	start
Malformed Packet Attack4–154	use
Maltego	use (pass-the-hash)
Defenses	user
Transforms	view
Malware Domain List	view/session/use
Malware Layer	NetBIOS
man	Name Resolution3–50
Man-in-the-middle Framework3–51, 3–53, 54	nbstat
Masscan	SMB2–137
McAfee Foundation Scan	netcat
MD5	Backdoor
mdd	Backpipe relay
memcpy3–103	Client mode
memmove	Data transfert
Memory Analysis	Defense 3–26
Memory Dump	Establishing Connection
Memory hog	Establishing connection 3–18
Memoryze MemoryDD5–22	Gaping security hole
Metasploit	Listen mode
Additional features 3–118	Options
Architecture	Port scanning
Benefits	Relay3–22
Meterpreter 3–116	Relay without -e
clearev5–116	Reverse shell
Mimikatz	Use3-15
mkdir1–217	Vulnerability scanning3–17
ModSecurity 4–110, 4–124, 4–150	Netflow
Money Making2–11	Netsh2–73-74
Monitoring (After eradication) 1–125-126	netsh3–30, 1–66, 1–203
Morto (worm)4-58	netstat1-55, 56, 1-81, 1-234, 1-252
Motorola Air Defense2–75	Linux
MP3Stego5–148	Options
msconfig1–70	Win2–101
msfelfscan	NetStumbler
msfpayload4–77	Defense
msfpescan	Network layers
msfvenom	Network Mapping
msyslog5–119	Defense
	Network Miner
${f N}$	Network Usage
11	Network-Tools.com
Name resolution	NeuStar SiteProtect
Namechk	newtear
NAT	Night Dragon
nbtstat	Nimda
nc	Nmap
ncat	Active OS fingerprinting2–95
Need to Know	Default packets
Nessus2–119-120, 2–120, 1–121, 2–121	Root vs non-root
Architecture	Scan types
Attack Scripting Language2–123	No Free Bug
Platform Support2–122	nohup 3-20, 5-100 Non-repudiation 4-14
Plugins	NOP
nestea	Note
net	nslookup
localgroup1–71	10.100 кар

NT hash	Patent1–182
NTFS	PATH
Alternate Data Stream5–105	PaX
Finding Hidden Stream	Payload (keyed)
	PE Bundle
NTLDR	
NTLM	PE Compact
NTLMv1 (Pass-the-Hash)4–49	PeepNTom
NTLMv2	Peer Notification
Ntoskrnl.exe	PenTestGeek3–143
	Permission to Attack
$oldsymbol{\cap}$	Personal Healthcare Information1–23
O	Personally Identifiable Information1–23, 4–111
	PGP Signature
omnipeek	$PHI \rightarrow Personal Healthcare Information$
Onion Live1–104	Phishing1–20, 1–169
Open Web Application Security Project 4–89	PHP PDO4–110
OpenPuff5–149	Physical Access
OpenStego 5–149	Attacks 3–4
OpenVAS2–119, 1–121	Defense3-6
OS Fingerprinting2–95	$PII \rightarrow Personally Identifiable Information$
OSINT2–30	ping1–233
defense2–33	Ping of Death
OSSEC5-67	Ping sweeps
Out-of-Band Communication	PingChat
$OWASP \rightarrow Open Web Application Security Project$	
OWASP Stinger	PoisonIvy
OWING Stinger 1 100	Configuration
	Policy
P	Banners 1–21 Response Strategies 1–22
	Response Strategies 1–22
D. D. 200	Policy Authentication Modules4–41
PacDoor	Policy Authentication Modules
Packer	Policy Authentication Modules
Packer 5-19 Packet Flooding 4-154	Policy Authentication Modules
Packer .5–19 Packet Flooding 4–154 Packet Storm Security 3–101	Policy Authentication Modules
$\begin{array}{lll} \text{Packer} & & & & & \\ \text{Packet Flooding} & & & & \\ \text{Packet Storm Security} & & & & \\ \text{PAM} \rightarrow \text{Policy Authentication Modules} & & & \\ \end{array}$	Policy Authentication Modules
$\begin{array}{lll} \text{Packer} & .5-19 \\ \text{Packet Flooding} & .4-154 \\ \text{Packet Storm Security} & .3-101 \\ \text{PAM} \rightarrow \text{Policy Authentication Modules} & \\ \text{Pass-the-Hash} & \end{array}$	Policy Authentication Modules
$\begin{array}{lll} \text{Packer} & & & & & \\ \text{Packet Flooding} & & & & \\ \text{Packet Storm Security} & & & & \\ \text{PAM} \rightarrow \text{Policy Authentication Modules} & & & \\ \end{array}$	Policy Authentication Modules 4–41 Port 2–103 Listing 2–101 Scanner 2–88 Scanner (Defense) 2–100
$\begin{array}{cccc} \text{Packer} & .5-19 \\ \text{Packet Flooding} & .4-154 \\ \text{Packet Storm Security} & .3-101 \\ \text{PAM} \rightarrow \text{Policy Authentication Modules} & . \\ \text{Pass-the-Hash} & & & & & & & & \\ & \text{Architecture} & .4-50 \\ & \text{Attacks} & .4-49 \\ \end{array}$	Policy Authentication Modules
$\begin{array}{ccccc} \text{Packer} & & 5-19 \\ \text{Packet Flooding} & & 4-154 \\ \text{Packet Storm Security} & & 3-101 \\ \text{PAM} & \rightarrow & \text{Policy Authentication Modules} & & \\ \text{Pass-the-Hash} & & & & \\ & & \text{Architecture} & & 4-50 \\ & & & \text{Attacks} & & 4-49 \\ & & & \text{Defense} & & 4-52 \\ \end{array}$	Policy Authentication Modules 4-41 Port 2-103 Listing № 2-101 Scanner 2-88 Scanner (Defense) 2-100 wrapping 2-113 Port 111 2-93
$\begin{array}{cccc} \text{Packer} & & 5-19 \\ \text{Packet Flooding} & & 4-154 \\ \text{Packet Storm Security} & & 3-101 \\ \text{PAM} & \rightarrow & \text{Policy Authentication Modules} & & & \\ \text{Pass-the-Hash} & & & & 4-50 \\ \text{Attacks} & & & 4-49 \\ \text{Defense} & & & 4-52 \\ \text{Tools} & & & 4-51 \\ \end{array}$	Policy Authentication Modules .4-41 Port
$\begin{array}{ccccc} \text{Packer} & & 5-19 \\ \text{Packet Flooding} & & 4-154 \\ \text{Packet Storm Security} & & 3-101 \\ \text{PAM} & \rightarrow & \text{Policy Authentication Modules} & & \\ \text{Pass-the-Hash} & & & & \\ & & \text{Architecture} & & 4-50 \\ & & & \text{Attacks} & & 4-49 \\ & & & \text{Defense} & & 4-52 \\ \end{array}$	Policy Authentication Modules 4-41 Port 2-103 Listing ♣ 2-101 Scanner 2-88 Scanner (Defense) 2-100 wrapping 2-113 Port 111 2-93 Port 135-139 2-137, 2-148 Port 137-139 2-109 Port 161 2-93
$\begin{array}{cccc} \text{Packer} & & 5-19 \\ \text{Packet Flooding} & & 4-154 \\ \text{Packet Storm Security} & & 3-101 \\ \text{PAM} & \rightarrow & \text{Policy Authentication Modules} & & & \\ \text{Pass-the-Hash} & & & & 4-50 \\ \text{Attacks} & & & 4-49 \\ \text{Defense} & & & 4-52 \\ \text{Tools} & & & 4-51 \\ \end{array}$	Policy Authentication Modules
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Policy Authentication Modules 4-41 Port 2-103 Listing № 2-101 Scanner 2-88 Scanner (Defense) 2-100 wrapping 2-113 Port 111 2-93 Port 135-139 2-137, 2-148 Port 137-139 2-109 Port 161 2-93 Port 445 2-89, 2-109, 2-137, 2-148 Port 53 2-89 Port 80 2-89 Port 8834 2-121 Positive Skew Analysis 1-140
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Policy Authentication Modules 4-41 Port 2-103 Listing ↑ 2-101 Scanner 2-88 Scanner (Defense) 2-100 wrapping 2-113 Port 111 2-93 Port 135-139 2-137, 2-148 Port 137-139 2-109 Port 161 2-93 Port 445 2-89, 2-109, 2-137, 2-148 Port 53 2-89 Port 80 2-89 Port 8834 2-121 Positive Skew Analysis 1-140 Post-Exploitation 3-112
Packet 5-19 Packet Flooding 4-154 Packet Storm Security 3-101 PAM → Policy Authentication Modules Pass-the-Hash 4-50 Architecture 4-50 Attacks 4-49 Defense 4-52 Tools 4-51 passwd 1-210, 1-254 Password 1-34 Blank 4-16 Cracking 4-9 Defense 4-31 Dumping 4-29 Dumping 3-4	Policy Authentication Modules 4-41 Port 2-103 Listing № 2-101 Scanner 2-88 Scanner (Defense) 2-100 wrapping 2-113 Port 111 2-93 Port 135-139 2-137, 2-148 Port 137-139 2-109 Port 161 2-93 Port 445 2-89, 2-109, 2-137, 2-148 Port 53 2-89 Port 80 2-89 Port 8834 2-121 Positive Skew Analysis 1-140 Post-Exploitation 3-112 Postal Mail 4-123
Packet 5-19 Packet Flooding 4-154 Packet Storm Security 3-101 PAM → Policy Authentication Modules	Policy Authentication Modules 4-41 Port 2-103 Listing № 2-101 Scanner 2-88 Scanner (Defense) 2-100 wrapping 2-113 Port 111 2-93 Port 135-139 2-137, 2-148 Port 137-139 2-109 Port 161 2-93 Port 445 2-89, 2-109, 2-137, 2-148 Port 53 2-89 Port 80 2-89 Port 8834 2-121 Positive Skew Analysis 1-140 Post-Exploitation 3-112 Postal Mail 4-123 POT file 4-39
Packet Flooding	Policy Authentication Modules 4-41 Port 2-103 Listing № 2-101 Scanner 2-88 Scanner (Defense) 2-100 wrapping 2-113 Port 111 2-93 Port 135-139 2-137, 2-148 Port 137-139 2-109 Port 161 2-93 Port 445 2-89, 2-109, 2-137, 2-148 Port 53 2-89 Port 80 2-89 Port 8834 2-121 Positive Skew Analysis 1-140 Post-Exploitation 3-112 Postal Mail 4-123 POT file 4-39 Powerbleed 3-65
Packet 5-19 Packet Flooding 4-154 Packet Storm Security 3-101 PAM → Policy Authentication Modules	Policy Authentication Modules 4-41 Port 2-103 Listing (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2
Packet 5-19 Packet Flooding 4-154 Packet Storm Security 3-101 PAM → Policy Authentication Modules Pass-the-Hash Architecture 4-50 Attacks 4-49 Defense 4-52 Tools 4-51 passwd 1-210, 1-254 Password 1-34 Blank 4-16 Cracking 4-9 Defense 4-31 Dumping 4-29 Dumping 3-4 Expiration Policy 4-10 file 4-36 file:// 4-30 Guessing 4-6	Policy Authentication Modules 4-41 Port 2-103 Listing № 2-101 Scanner 2-88 Scanner (Defense) 2-100 wrapping 2-113 Port 111 2-93 Port 135-139 2-137, 2-148 Port 137-139 2-109 Port 445 2-89, 2-109, 2-137, 2-148 Port 53 2-89 Port 80 2-89 Port 8834 2-121 Positive Skew Analysis 1-140 Post-Exploitation 3-112 Postal Mail 4-123 POT file 4-39 Powerbleed 3-65 Powerpoint 3-139 PowerShell 1-140, 2-159
Packet 5-19 Packet Flooding 4-154 Packet Storm Security 3-101 PAM → Policy Authentication Modules Pass-the-Hash Architecture 4-50 Attacks 4-49 Defense 4-52 Tools 4-51 passwd 1-210, 1-254 Password 1-34 Blank 4-16 Cracking 4-9 Defense 4-31 Dumping 4-29 Dumping 3-4 Expiration Policy 4-10 file 4-36 file:// 4-36 Guessing 4-6 Lenght 4-17, 4-33	Policy Authentication Modules 4-41 Port 2-103 Listing № 2-101 Scanner 2-88 Scanner (Defense) 2-100 wrapping 2-113 Port 111 2-93 Port 135-139 2-137, 2-148 Port 137-139 2-109 Port 161 2-93 Port 445 2-89, 2-109, 2-137, 2-148 Port 53 2-89 Port 80 2-89 Port 8834 2-121 Positive Skew Analysis 1-140 Post-Exploitation 3-112 Postal Mail 4-123 POT file 4-39 Powerbleed 3-65 Powerpoint 3-139 PowerShell 1-140, 2-159 Import-Module 2-155
Packet Flooding	Policy Authentication Modules 4-41 Port 2-103 Listing
Packet Flooding	Policy Authentication Modules
Packet Flooding 4-154 Packet Storm Security 3-101 PAM → Policy Authentication Modules	Policy Authentication Modules 4-41 Port Listing
Packet Flooding 4-154 Packet Storm Security 3-101 PAM → Policy Authentication Modules	Policy Authentication Modules 4-41 Port 2-103 Listing 2-101 Scanner 2-88 Scanner (Defense) 2-100 wrapping 2-113 Port 111 2-93 Port 135-139 2-137, 2-148 Port 137-139 2-109 Port 445 2-89, 2-109, 2-137, 2-148 Port 53 2-89 Port 80 2-89 Port 8x34 2-121 Positive Skew Analysis 1-140 Post-Exploitation 3-112 Postal Mail 4-123 POT file 4-39 Powerbleed 3-65 Powerpoint 3-139 PowerShell 1-140, 2-159 Import-Module 2-155 Set-ExecutionPolicy 2-155 PowerShellEmpire 2-142 Procedure 1-31 Process Explorer 1-77
Packet Flooding 4-154 Packet Storm Security 3-101 PAM → Policy Authentication Modules	Policy Authentication Modules 4-41 Port 2-103 Listing 2-101 Scanner 2-88 Scanner (Defense) 2-100 wrapping 2-113 Port 111 2-93 Port 135-139 2-137, 2-148 Port 137-139 2-109 Port 445 2-89, 2-109, 2-137, 2-148 Port 53 2-89 Port 80 2-89 Port 8434 2-121 Positive Skew Analysis 1-140 Post-Exploitation 3-112 Postal Mail 4-123 POT file 4-39 Powerbleed 3-65 Powerpoint 3-139 PowerShell 1-140, 2-159 Import-Module 2-155 Set-ExecutionPolicy 2-155 PowerShellEmpire 2-142 Procedure 1-31 Process Explorer 1-77 Process Monitor 1-77
Packet Flooding 4-154 Packet Storm Security 3-101 PAM → Policy Authentication Modules	Policy Authentication Modules 4-41 Port 2-103 Listing 2-101 Scanner 2-88 Scanner (Defense) 2-100 wrapping 2-113 Port 111 2-93 Port 135-139 2-137, 2-148 Port 137-139 2-109 Port 445 2-89, 2-109, 2-137, 2-148 Port 53 2-89 Port 80 2-89 Port 8x34 2-121 Positive Skew Analysis 1-140 Post-Exploitation 3-112 Postal Mail 4-123 POT file 4-39 Powerbleed 3-65 Powerpoint 3-139 PowerShell 1-140, 2-159 Import-Module 2-155 Set-ExecutionPolicy 2-155 PowerShellEmpire 2-142 Procedure 1-31 Process Explorer 1-77

Program	RFC 1149
run (how)3–97	RFC 25495-120
stack	$RID \rightarrow Relative Identifier \dots$
Protocol Parser	Ring
ProxyCanon	RIPE2–20
· ·	
ps1–226, 1–247	RIPEMD-1602–13
psexec	RITA
PTunnel5–124	Riverbed Cascade
PunkSpider	Robert D. Gratam2–97
PushPin	Robert Manssen
pwd	Rootcheck
pwdump3	Rootkit
-	
PwnedList2–43	Altering files
	Altering memory5–56
	Avatar5–62
\mathbf{Q}	Defense5-64
	Detection △
Qualys2–119, 1–121	Detection *
QueSO2–95	Eradication
QUICK	
Q 0 1 0 1 1 0 2	Fontanini
	Hiding 🧗 5–47
\mathbf{R}	Kernel-mode
\mathbf{n}	Kernel-mode Technique
	Linux Components5–43
Rainbow table4–22	Platform5–42
Project Rainbow Crack	User-mode5–7
Ransomware	Virtualization
Rapid7 NeXpose 2–119, 1–121	Windows User-mode
Rapid7 User Behavioral Analytics5–177	Rootkit Detective
RATS3–127	Rootkit Hunter
RDP 2–98	
reboot	Rootkit Revealer
	Rooty
Recon-ng	Royce Davis3–143
Reconnaissance	RPC Scan2–93
Recovery	RPCClient
Reddit1–29	rpcclient2–137
RedLine1–131	queryuser2–155
reg1-69, 2-137	RSA SecurID4–24
regedit1–70	RTIR 1–104
Registry Keys	Rubber Duckies
Rekall1–110	1(45561 E 46M65 0, 2 11
dlllist	
	~
modules 5–23	\mathbf{S}
modules	${f S}$
$nets can \dots 5-25$	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	S-Mail
$\begin{array}{ccc} \mathrm{netscan} & & & 5-25 \\ \mathrm{netstat} & & 5-25 \\ \mathrm{pslist} & & 5-26 \end{array}$	S-Mail
$\begin{array}{cccc} & \text{netscan} & & 5-25 \\ & \text{netstat} & & 5-25 \\ & \text{pslist} & & 5-26 \\ & \text{Relative Identifier} & & 2-153, 2-155 \\ \end{array}$	S-Mail 5-148 SafeBack 1-178 SAINT 2-119
netscan 5-25 netstat 5-25 pslist 5-26 Relative Identifier 2-153, 2-155 Relay 3-11	S-Mail 5-148 SafeBack 1-178 SAINT 2-119 SAM Database 4-5
$\begin{array}{cccc} & \text{netscan} & & 5-25 \\ & \text{netstat} & & 5-25 \\ & \text{pslist} & & 5-26 \\ & \text{Relative Identifier} & & 2-153, 2-155 \\ \end{array}$	S-Mail 5-148 SafeBack 1-178 SAINT 2-119
netscan 5-25 netstat 5-25 pslist 5-26 Relative Identifier 2-153, 2-155 Relay 3-11	S-Mail 5-148 SafeBack 1-178 SAINT 2-119 SAM Database 4-5
netscan 5-25 netstat 5-25 pslist 5-26 Relative Identifier 2-153, 2-155 Relay 3-11 Remote Desktop 1-119	S-Mail 5–148 SafeBack 1–178 SAINT 2–119 SAM Database 4–5 Santy Worm 2–42
netscan 5-25 netstat 5-25 pslist 5-26 Relative Identifier 2-153, 2-155 Relay 3-11 Remote Desktop 1-119 Remux 2-99	S-Mail 5–148 SafeBack 1–178 SAINT 2–119 SAM Database 4–5 Santy Worm 2–42 SaranWrap 5–18
netscan 5-25 netstat 5-25 pslist 5-26 Relative Identifier 2-153, 2-155 Relay 3-11 Remote Desktop 1-119 Remux 2-99 Renaud Deraison 2-120 Report 1-128	S-Mail 5-148 SafeBack 1-178 SAINT 2-119 SAM Database 4-5 Santy Worm 2-42 SaranWrap 5-18 Sasser 4-59
netscan 5-25 netstat 5-25 pslist 5-26 Relative Identifier 2-153, 2-155 Relay 3-11 Remote Desktop 1-119 Remux 2-99 Renaud Deraison 2-120 Report 1-128 Reporting (horizontal/vertical) 1-104	S-Mail 5-148 SafeBack 1-178 SAINT 2-119 SAM Database 4-5 Santy Worm 2-42 SaranWrap 5-18 Sasser 4-59 sc 1-68, 2-137 config 2-102
netscan 5-25 netstat 5-25 pslist 5-26 Relative Identifier 2-153, 2-155 Relay 3-11 Remote Desktop 1-119 Remux 2-99 Renaud Deraison 2-120 Report 1-128 Reporting (horizontal/vertical) 1-104 Responder 3-4, 3-80, 3-88	S-Mail 5-148 SafeBack 1-178 SAINT 2-119 SAM Database 4-5 Santy Worm 2-42 SaranWrap 5-18 Sasser 4-59 sc 1-68, 2-137 config 2-102 query 2-102
netscan 5-25 netstat 5-25 pslist 5-26 Relative Identifier 2-153, 2-155 Relay 3-11 Remote Desktop 1-119 Remux 2-99 Renaud Deraison 2-120 Report 1-128 Reporting (horizontal/vertical) 1-104 Responder 3-4, 3-80, 3-88 Response Team 1-30, 1-32	S-Mail 5-148 SafeBack 1-178 SAINT 2-119 SAM Database 4-5 Santy Worm 2-42 SaranWrap 5-18 Sasser 4-59 sc 1-68, 2-137 config 2-102 query 2-102 stop 2-102
netscan 5-25 netstat 5-25 pslist 5-26 Relative Identifier 2-153, 2-155 Relay 3-11 Remote Desktop 1-119 Remux 2-99 Renaud Deraison 2-120 Report 1-128 Reporting (horizontal/vertical) 1-104 Responder 3-4, 3-80, 3-88 Response Team 1-30, 1-32 Training 1-37	S-Mail 5-148 SafeBack 1-178 SAINT 2-119 SAM Database 4-5 Santy Worm 2-42 SaranWrap 5-18 Sasser 4-59 sc 1-68, 2-137 config 2-102 query 2-102 stop 2-102 scanf 3-103
netscan 5-25 netstat 5-25 pslist 5-26 Relative Identifier 2-153, 2-155 Relay 3-11 Remote Desktop 1-119 Remux 2-99 Renaud Deraison 2-120 Report 1-128 Reporting (horizontal/vertical) 1-104 Responder 3-4, 3-80, 3-88 Response Team 1-30, 1-32 Training 1-37 Restore Operation 1-124	S-Mail 5-148 SafeBack 1-178 SAINT 2-119 SAM Database 4-5 Santy Worm 2-42 SaranWrap 5-18 Sasser 4-59 sc 1-68, 2-137 config 2-102 query 2-102 stop 2-102 scanf 3-103 ScanRand 2-97
netscan 5-25 netstat 5-25 pslist 5-26 Relative Identifier 2-153, 2-155 Relay 3-11 Remote Desktop 1-119 Remux 2-99 Renaud Deraison 2-120 Report 1-128 Reporting (horizontal/vertical) 1-104 Responder 3-4, 3-80, 3-88 Response Team 1-30, 1-32 Training 1-37	S-Mail 5-148 SafeBack 1-178 SAINT 2-119 SAM Database 4-5 Santy Worm 2-42 SaranWrap 5-18 Sasser 4-59 sc 1-68, 2-137 config 2-102 query 2-102 stop 2-102 scanf 3-103

Scheduled tasks1–73	
	smbmount2–137
schtasks1–73, 1–87	Smurf Attack4–156
Screenshoter (JS)	SnapBack1–178
Script Kiddies	Snare Agent5–117
SCT Script3–149, 150	Snarfing
SCTP	Sneakin 5–59
Search Engine	sneakin
Directives	Sniffer 3–45
Recon (Defense)	Sniffing
,	Passive
SearchDiggity	
Searching Vulnerable Systems2–42	Wireless
secpol.msc	socat
Secret Squirel	Social Engineering1–20, 2–29
Secure Safe1–52	Social Engineering Toolkit
Secure Sphere	Social Engineering Toolkit5–18
SecureLogix Voice	Social Problems
Security Identifier	SOCMINT2-30-32
Security Manager4–150	defense2–33
SecuritySpace.cm2–51	Software Distro Site
SELinux	Attacks
Sentinel	Defense
Service 4-24	Software Update
Disabling 4	Solar Designer4–41
Disabling *2–102	sort1–265
Listing 🥙1–68	Source Routing
service1–231, 1–248	SpeedGuide 1–56
Servicemark	sprintf3–103
Services	SQL4–103
services.msc1–68	SQL Injection
Session	Defenses
Cookie Tracking 4–143	Dropping Data4–107
URL Tracking	Finding errors
$SET \rightarrow Social Engineering Toolkit \dots$	Grabbing Data4–108
Sexually Explicit Content 1-171	Grabbing Database Structure 4-109
Sexually Explicit Content	Grabbing Database Structure
SHA12–13	Looking for
SHA1	Looking for
SHA1 2-13 SHA256 2-13 Shadow file 4-5, 4-20, 4-37	$ \begin{array}{ccc} \text{Looking for} & & 4-105 \\ \text{SQLmap} & & 4-104 \\ \text{SQLSlammer} & & 1-96 \end{array}$
SHA1 2-13 SHA256 2-13 Shadow file 4-5, 4-20, 4-37 ShareFinder 2-142	$ \begin{array}{ccc} \text{Looking for} & & 4-105 \\ \text{SQLmap} & & 4-104 \\ \text{SQLSlammer} & & 1-96 \\ \text{SS7} & & 4-123 \\ \end{array} $
SHA1 2-13 SHA256 2-13 Shadow file 4-5, 4-20, 4-37 ShareFinder 2-142 Shell	Looking for 4-105 SQLmap 4-104 SQLSlammer 1-96 SS7 4-123 SSH 1-119
SHA1 2-13 SHA256 2-13 Shadow file 4-5, 4-20, 4-37 ShareFinder 2-142 Shell 3-21	Looking for 4-105 SQLmap 4-104 SQLSlammer 1-96 SS7 4-123 SSH 1-119 Sniffing 3-60, 3-63
SHA1 2-13 SHA256 2-13 Shadow file 4-5, 4-20, 4-37 ShareFinder 2-142 Shell reverse 3-21 shoveling 3-21	Looking for 4-105 SQLmap 4-104 SQLSlammer 1-96 SS7 4-123 SSH 1-119 Sniffing 3-60, 3-63 SSHmitm 3-63
SHA1 2-13 SHA256 2-13 Shadow file 4-5, 4-20, 4-37 ShareFinder 2-142 Shell 3-21	Looking for 4-105 SQLmap 4-104 SQLSlammer 1-96 SS7 4-123 SSH 1-119 Sniffing 3-60, 3-63
SHA1 2-13 SHA256 2-13 Shadow file 4-5, 4-20, 4-37 ShareFinder 2-142 Shell reverse 3-21 shoveling 3-21	Looking for 4-105 SQLmap 4-104 SQLSlammer 1-96 SS7 4-123 SSH 1-119 Sniffing 3-60, 3-63 SSHmitm 3-63
SHA1 2-13 SHA256 2-13 Shadow file 4-5, 4-20, 4-37 ShareFinder 2-142 Shell reverse 3-21 shoveling 3-21 ShellShock 4-98	Looking for 4-105 SQLmap 4-104 SQLSlammer 1-96 SS7 4-123 SSH 1-119 Sniffing 3-60, 3-63 SSHmitm 3-63 SSID 2-60, 2-72
SHA1 2-13 SHA256 2-13 Shadow file 4-5, 4-20, 4-37 ShareFinder 2-142 Shell reverse shoveling 3-21 ShellShock 4-98 Shodan 2-51 shutdown 1-244	Looking for 4-105 SQLmap 4-104 SQLSlammer 1-96 SS7 4-123 SSH 1-119 Sniffing 3-60, 3-63 SSHmitm 3-63 SSID 2-60, 2-72 SSL Sniffing 3-60 Sniffing 3-60
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Looking for 4-105 SQLmap 4-104 SQLSlammer 1-96 SS7 4-123 SSH 1-119 Sniffing 3-60, 3-63 SSHmitm 3-63 SSID 2-60, 2-72 SSL Sniffing 3-60 SSLStrip 3-64, 3-67, 68
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Looking for 4-105 SQLmap 4-104 SQLSlammer 1-96 SS7 4-123 SSH 1-119 Sniffing 3-60, 3-63 SSHmitm 3-63 SSID 2-60, 2-72 SSL Sniffing 3-60 SSLStrip 3-64, 3-67, 68 Warning Message 3-61-62, 3-65
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Looking for 4-105 SQLmap 4-104 SQLSlammer 1-96 SS7 4-123 SSH 1-119 Sniffing 3-60, 3-63 SSHmitm 3-63 SSID 2-60, 2-72 SSL Sniffing 3-60 SSLStrip 3-64, 3-67, 68 Warning Message 3-61-62, 3-65 SSLSplit 2-68
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Looking for 4-105 SQLmap 4-104 SQLSlammer 1-96 SS7 4-123 SSH 1-119 Sniffing 3-60, 3-63 SSHmitm 3-63 SSID 2-60, 2-72 SSL Sniffing 3-60 SSLStrip 3-64, 3-67, 68 Warning Message 3-61-62, 3-65 SSLSplit 2-68 SSLStrip 2-68
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Looking for 4-105 SQLmap 4-104 SQLSlammer 1-96 SS7 4-123 SSH 1-119 Sniffing 3-60, 3-63 SSHmitm 3-63 SSID 2-60, 2-72 SSL Sniffing 3-60 SSLStrip 3-64, 3-67, 68 Warning Message 3-61-62, 3-65 SSLSplit 2-68 SSLStrip 2-68 Stack (Not executable) 3-122
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Looking for 4-105 SQLmap 4-104 SQLSlammer 1-96 SS7 4-123 SSH 1-119 Sniffing 3-60, 3-63 SSHmitm 3-63 SSID 2-60, 2-72 SSL Sniffing 3-60 SSLStrip 3-64, 3-67, 68 Warning Message 3-61-62, 3-65 SSLSplit 2-68 SSLStrip 2-68 Stack (Not executable) 3-122 Startup Items 1-69, 70
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Looking for 4-105 SQLmap 4-104 SQLSlammer 1-96 SS7 4-123 SSH 1-119 Sniffing 3-60, 3-63 SSHmitm 3-63 SSID 2-60, 2-72 SSL Sniffing 3-64, 3-67, 68 Warning Message 3-61-62, 3-65 SSLSplit 2-68 SSLStrip 2-68 Stack (Not executable) 3-122 Startup Items 1-69, 70 Stash 5-148
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Looking for 4-105 SQLmap 4-104 SQLSlammer 1-96 SS7 4-123 SSH 1-119 Sniffing 3-60, 3-63 SSHmitm 3-63 SSID 2-60, 2-72 SSL Sniffing 3-64, 3-67, 68 Warning Message 3-61-62, 3-65 SSLSplit 2-68 SSLStrip 2-68 Stack (Not executable) 3-122 Startup Items 1-69, 70 Stash 5-148 Static Code Analysis 3-127
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Looking for 4-105 SQLmap 4-104 SQLSlammer 1-96 SS7 4-123 SSH 1-119 Sniffing 3-60, 3-63 SSHmitm 3-63 SSID 2-60, 2-72 SSL Sniffing 3-60 SSLStrip 3-64, 3-67, 68 Warning Message 3-61-62, 3-65 SSLSplit 2-68 SSLStrip 2-68 Stack (Not executable) 3-122 Startup Items 1-69, 70 Stash 5-148 Static Code Analysis 3-127 Statically Linked Binary 1-42
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Looking for 4-105 SQLmap 4-104 SQLSlammer 1-96 SS7 4-123 SSH 1-119 Sniffing 3-60, 3-63 SSID 2-60, 2-72 SSL Sniffing 3-60 SSLStrip 3-64, 3-67, 68 Warning Message 3-61-62, 3-65 SSLSplit 2-68 SSLStrip 2-68 Stack (Not executable) 3-122 Startup Items 1-69, 70 Stash 5-148 Static Code Analysis 3-127 Statically Linked Binary 1-42 Steganography 5-147
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Looking for 4-105 SQLmap 4-104 SQLSlammer 1-96 SS7 4-123 SSH 1-119 Sniffing 3-60, 3-63 SSID 2-60, 2-72 SSL Sniffing 3-60 SSLStrip 3-64, 3-67, 68 Warning Message 3-61-62, 3-65 SSLSplit 2-68 SSLStrip 2-68 Stack (Not executable) 3-122 Startup Items 1-69, 70 Stash 5-148 Static Code Analysis 3-127 Statically Linked Binary 1-42 Steganography 5-147 Defense 5-154
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Looking for 4-105 SQLmap 4-104 SQLSlammer 1-96 SS7 4-123 SSH 1-119 Sniffing 3-60, 3-63 SSHmitm 3-63 SSID 2-60, 2-72 SSL Sniffing 3-60 SSLStrip 3-64, 3-67, 68 Warning Message 3-61-62, 3-65 SSLSplit 2-68 SSLStrip 2-68 Stack (Not executable) 3-122 Startup Items 1-69, 70 Stash 5-148 Statically Linked Binary 1-42 Steganography 5-147 Defense 5-154 StegExpose 5-154
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Looking for 4-105 SQLmap 4-104 SQLSlammer 1-96 SS7 4-123 SSH 1-119 Sniffing 3-60, 3-63 SSID 2-60, 2-72 SSL Sniffing 3-60 SSLStrip 3-64, 3-67, 68 Warning Message 3-61-62, 3-65 SSLSplit 2-68 SSLStrip 2-68 Stack (Not executable) 3-122 Startup Items 1-69, 70 Stash 5-148 Static Code Analysis 3-127 Statically Linked Binary 1-42 Steganography 5-147 Defense 5-154
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Looking for 4-105 SQLmap 4-104 SQLSlammer 1-96 SS7 4-123 SSH 1-119 Sniffing 3-60, 3-63 SSHmitm 3-63 SSID 2-60, 2-72 SSL Sniffing 3-60 SSLStrip 3-64, 3-67, 68 Warning Message 3-61-62, 3-65 SSLSplit 2-68 SSLStrip 2-68 Stack (Not executable) 3-122 Startup Items 1-69, 70 Stash 5-148 Statically Linked Binary 1-42 Steganography 5-147 Defense 5-154 StegExpose 5-154

strcopy3–96, 3–103	Trade Secret1–182
su1–211	Trademark 1–182
Sub7	Travelocity
Subroutinge	Tresorit
Subterfuge	Tribe Flood Networks
SubVert	TripWire5–67, 1–258
Sumfuq	Trojan Horse
Super User Control Kit (SUCKit)	Trust Relationship1–112
Suspicious Activity Report	TS Duration
	TS Score
Suterusu	
switch	Tunneling
SYN Flood4–167	type3–32, 5–110
SYN Scan2–93	
syndrop 4–161	T T
SYSKey4–31	${f U}$
System Administrator Identification 1–63	
System call	$UAT \rightarrow User Acceptance Test \dots$
table	UDP
System Center Configuration Manager1–139	Header
systemctl	Port
V	Scan 2–93
	uname
${f T}$	Unauthorized Use
	unshadow
tail1–220	Unusual
Tamper Data4–144	UPC
Tap (Ethernet)1–44	updatedb
tar1–236	•
Target Analysis	uptime
tasklist	UPX
TCP	URL Length1–135
	USB
Checksum bypass	USB Device History
	USB Token RAM Device
Header	User Acceptance Test1–123
Port	User Behavior Analytics5–117
Redirector	User Input 1–58
Sequence Prediction	User-Agent String1-135
TCP Layer3–53	useradd 1–209
TCP/IP2-88	utmp5–89
tcpdump	UUNET1–96
TCPVcon2–101	uWhois2–20
TCPView1–77, 2–101	
teardrop4–161	
coararop	▼ 7
Teardrop Attack	${f V}$
•	${f V}$
Teardrop Attack	V Veil
Teardrop Attack 4–154 telnet 3–18	·
Teardrop Attack 4–154 telnet 3–18 THC Hydra 4–8	Veil
Teardrop Attack 4–154 telnet 3–18 THC Hydra 4–8 THC-Scan 2–54	Veil 5–18 Veracode 3–127 Version Scanning 2–93
Teardrop Attack 4–154 telnet 3–18 THC Hydra 4–8 THC-Scan 2–54 Themida 5–19 Thinstall 5–19	Veil .5–18 Veracode .3–127 Version Scanning .2–93 vi .1–219
Teardrop Attack 4–154 telnet 3–18 THC Hydra 4–8 THC-Scan 2–54 Themida 5–19 Thinstall 5–19 Thunderbolt 3–4	Veil 5–18 Veracode 3–127 Version Scanning 2–93 vi 1–219 VIN 2–38
Teardrop Attack 4–154 telnet 3–18 THC Hydra 4–8 THC-Scan 2–54 Themida 5–19 Thinstall 5–19 Thunderbolt 3–4 Tiger 2–13	Veil 5–18 Veracode 3–127 Version Scanning 2–93 vi 1–219 VIN 2–38 Virtual Machine (detection) 4–73
Teardrop Attack 4–154 telnet 3–18 THC Hydra 4–8 THC-Scan 2–54 Themida 5–19 Thinstall 5–19 Thunderbolt 3–4 Tiger 2–13 Time-to-live 2–81	Veil 5–18 Veracode 3–127 Version Scanning 2–93 vi 1–219 VIN 2–38 Virtual Machine (detection) 4–73 Vitriol 5–58
Teardrop Attack 4–154 telnet 3–18 THC Hydra 4–8 THC-Scan 2–54 Themida 5–19 Thinstall 5–19 Thunderbolt 3–4 Tiger 2–13 Time-to-live 2–81 Titan rain 1–160	Veil 5–18 Veracode 3–127 Version Scanning 2–93 vi 1–219 VIN 2–38 Virtual Machine (detection) 4–73 Vitriol 5–58 vmcat 3–11
Teardrop Attack 4–154 telnet 3–18 THC Hydra 4–8 THC-Scan 2–54 Themida 5–19 Thinstall 5–19 Thunderbolt 3–4 Tiger 2–13 Time-to-live 2–81 Titan rain 1–160 TLC 3–66	Veil 5–18 Veracode 3–127 Version Scanning 2–93 vi 1–219 VIN 2–38 Virtual Machine (detection) 4–73 Vitriol 5–58 vmcat 3–11 vmlinuz 5–57
Teardrop Attack 4-154 telnet 3-18 THC Hydra 4-8 THC-Scan 2-54 Themida 5-19 Thinstall 5-19 Thunderbolt 3-4 Tiger 2-13 Time-to-live 2-81 Titan rain 1-160 TLC 3-66 TOR 2-82	Veil 5–18 Veracode 3–127 Version Scanning 2–93 vi 1–219 VIN 2–38 Virtual Machine (detection) 4–73 Vitriol 5–58 vmcat 3–11 vmlinuz 5–57 VMWare 1–196
Teardrop Attack 4–154 telnet 3–18 THC Hydra 4–8 THC-Scan 2–54 Themida 5–19 Thinstall 5–19 Thunderbolt 3–4 Tiger 2–13 Time-to-live 2–81 Titan rain 1–160 TLC 3–66 TOR 2–82 traceroute 2–81	Veil 5–18 Veracode 3–127 Version Scanning 2–93 vi 1–219 VIN 2–38 Virtual Machine (detection) 4–73 Vitriol 5–58 vmcat 3–11 vmlinuz 5–57 VMWare 1–196 Files 1–198
Teardrop Attack 4–154 telnet 3–18 THC Hydra 4–8 THC-Scan 2–54 Themida 5–19 Thinstall 5–19 Thunderbolt 3–4 Tiger 2–13 Time-to-live 2–81 Titan rain 1–160 TLC 3–66 TOR 2–82 traceroute 2–81 Tracerouting 2–83	Veil 5–18 Veracode 3–127 Version Scanning 2–93 vi 1–219 VIN 2–38 Virtual Machine (detection) 4–73 Vitriol 5–58 vmcat 3–11 vmlinuz 5–57 VMWare 1–196 Files 1–198 Network Options 1–202
Teardrop Attack 4–154 telnet 3–18 THC Hydra 4–8 THC-Scan 2–54 Themida 5–19 Thinstall 5–19 Thunderbolt 3–4 Tiger 2–13 Time-to-live 2–81 Titan rain 1–160 TLC 3–66 TOR 2–82 traceroute 2–81	Veil 5–18 Veracode 3–127 Version Scanning 2–93 vi 1–219 VIN 2–38 Virtual Machine (detection) 4–73 Vitriol 5–58 vmcat 3–11 vmlinuz 5–57 VMWare 1–196 Files 1–198

Active client	Windows Credential Editor4–51
Overview	Windows Firewall 1–66
Plafform5–11	WinNuke4–161
WinVNC 5–13	winpmem5–22
VOIP1–52, 2–54	WinRM1–141
Volatility Framework	winrtgen.exe
VPN	Wireless Network
Blocking	Configuration
VPN Configuration Attack	Misconfiguration
VPN Key Exchange	Password
VSAgent	wireshark
Vulnerability	wnic wnic
Analysis	computersystem
Vulnerability Scanner	- *
· ·	process
Defense2–124	product1–138
TX 7	startup
${f W}$	Word Mangling
W2of 4 146	WordWebBugs1–107
Waaf	Worm
War Dialing	Defense 4–74
Defense	Future payload4-64
War Driving2–61	History 4–55
Defense2–72-75	Infection speed4–60
War Games	Metamorphic 4–65
War Room1–36	Multi-exploit
Warhol (worm)4-61	Multi-platform4–58
Warning Banners1–21, 1–26, 1–175	Polymorphic
Warvox2-54	vs Virus 4–55
Watch and Learn1–22	Zero-Day Exploit
Wayback Machine2–39	WPA2-64-65, 2-72, 2-74
wc4–174	$WPAD \rightarrow Web Proxy Auto-Detect \dots$
Web Application	Wrapper
Defense4–150	Write Blocker
Firewall	Writing Secure code3–126
Manipulation Proxy4–146	wtmp
Tools4–150	willip
Web Proxy1–135, 1–172	${f v}$
Web Proxy Auto-Detect3–79	\mathbf{X}
Web Spider2–33	
Web-Based	X-Ways Forensics
Attack Tool	X.25
Reconnaissance	xinetd2–104
WebScarab	Xplico3–55
WebSense	
Website Searches	\mathbf{Y}
Defense	ı
Website Tampering2–10	Yersinia
Wellenreiter	Yoda
	1044 9 19
WEP	7
wevtutil	${f Z}$
whatis	7AD . 7 1AU 1 D
Whirlpool	$ZAP \rightarrow Zed Attack Proxy \dots$
who	Zed Attack Proxy
whoami	Zenmap GUI
Whois	Zero-day Exploit
Defense	Zero-day exploit
Win32dd 5–22	ZigBee
win32k.sys5–57	Zombie (pulsing)
Windows Anti-Reverse Engineering5–19	Zotob 4–59