${\bf SEC565-Red\ Team\ Operations}$

Topics

Course Philosophy
Definitions
Chapters
Book 1
1) First chapter
2) Second chapter
Book 2
1) First chapter
2) Second chapter
Categories
Basic Principles
#1 First principle
#2 Second principle
#3 Third principle
#4 Fourth principle
Labs
Environment Orientation1.L.
Consuming Threat Intelligence1.L2
Red Team Planning1.L;
Reconnaissance and Password Attacks1.L-
Username Enumeration and Password Spraying 1.L5
Lab 1.1
First lab
Second lab2.L3
Third lab
Lab Setup2.L5
Tools
Cobalt Strike
Empire
Impacket
Rubeus

06/2024

1

${\bf SEC565-Red\ Team\ Operations}$

${f A}$	${f G}$
Active Directory Certificate Services 5.53-54 Abuse 5.55, 5.57 Abuse Automation 5.58 ADCS 5.58	Golden Ticket 5.19 C2s 5.21 Creation 5.20
OpenSSL 5.56 AS-REP Roasting 5.11	H
Tools Cobalt Strike 5.12 Empire 5.12	Hopping the Trust
D	K
Database Attacks	Kerberoasting
DCSync	N
Empire 5.18 Mimikatzs 5.17 Delegation 5.22	NoPac
$ \begin{array}{cccc} Constrained &$	P
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{lll} & \text{PrintSpooler} & & 5.27 \\ & \text{PetitPotam} & & 5.28 \\ & \text{Privilege Escalation} & & & \\ & \text{Exchange} \rightarrow & \text{Exchange Priv Esc} & & & \\ & \text{SQL} \rightarrow & \text{SQL Priv Esc} & & & \\ & & & & & \\ \end{array}$
Unconstrained 5.23 Cobalt Strike 5.31 Empire 5.32 Flow 5.24	${f S}$
Forced Auth	$\begin{array}{lll} \text{S4U2PROXY} & & & & & & & \\ \text{S4U2SELF} & & & & & & & \\ \text{sAMAccount} \rightarrow \text{NoPac} & & & & & \\ \end{array}$
Cheat Sheet 5.75 Hiding 5.77-78 Setting SPN 5.76	Shadow Credentials Attack 5.84 Execution 5.83 Pre-Requisites 5.13 Tools 5.13
${f E}$	Cobalt Strike 5.15 Empire 5.15
Exchange Priv Esc 5.59 Flow 5.60 SharpProxyLogon 5.61	Mimikatz 5.14 Rubeus 5.14 SQL Priv Esc 5.63

2