Runbook 1

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| Document Name | | IRTx Red Run 1 | Version | V1 | |
| Author | | Dylan Wondal | Date Created | 11/9/23 | |
| Attack Type | | Vulnerable services | Last Modified | 11/9/23 | |
| Staff Required | | 1 Attacker | Skills Required | Nmap, Metasploit | |
| Document  Description | This document is to scan a server and find vulnerable services to later be exploited with metasploit | | | | |
| Step 1 | | Task | | | Complete |
| Scanning/Enumeration | | Perform an aggressive Nmap scan and enumerate all open ports and their headers to determine if there is the vulnerable service. Look for things like ftp, smb, jenkins installs etc.  nmap -sC -sV -oN init.scan $IP | | |  |
| Step 2 | | Task | | | Complete |
| Prepare Metasploit | | Manually explore the service to identify possible exploits  Run the MSFconsole and select the exploit for the vulnerable service (if the module doesn’t work, try the exploit manually)  use exploit name  set targets – ip and port | | |  |
| Step 3 | | Task | | | Complete |
| Execute Payload | | Execute the payload and wait to receive the reverse shell | | |  |
| Step 4 | | Task | | | Complete |
| Connect to shell and have root | | The shell should automatically connect and you should have access. Priv Esc if needed | | |  |

Runbook 2

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| Document Name | | IRTx Red Run 2 | Version | V1 | |
| Author | | Dylan Wondal | Date Created | 11/9/23 | |
| Attack Type | | SQL Injection | Last Modified | 11/9/23 | |
| Staff Required | | 1 Attacker | Skills Required | Nmap, SQLi, Web, Gobuster | |
| Document  Description | This document is to scan and attack a server that may have a vulnerable web page/login with SQL injection | | | | |
| Step 1 | | Task | | | Complete |
| Scanning/Enumeration | | Perform an aggressive Nmap scan and enumerate all open ports and their headers to determine if there is a web service running  nmap -sC -sV -oN init.scan $IP | | |  |
| Step 2 | | Task | | | Complete |
| Webpage enumeration | | Look for the entry point for SQL injections | | |  |
| Step 3 | | Task | | | Complete |
| Test page for SQLi | | Manually exploit or use SQLmap with an intercepted request saved as a file from burpsuite  sqlmap -r request.file | | |  |
| Step 4 | | Task | | | Complete |
| Dump tables for credentials | | Dump the table and attempt to crack/view passwords of user table | | |  |

Runbook 3

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| Document Name | | IRTx Red Run 3 | Version | V1 | |
| Author | | Dylan Wondal | Date Created | 9/10/23 | |
| Attack Type | | Insecure File upload | Last Modified | 9/10/23 | |
| Staff Required | | 1 Attacker | Skills Required | Msfvenom, metasploit, burpsuite | |
| Document  Description | This is attack is to target insecure/unsanatised file uploads. A malicious file will be uploaded that will create a reverse shell on the host machine for the attacker to connect to | | | | |
| Step 1 | | Task | | | Complete |
| Locate upload page | | Locate the page where files can be uploaded and test with a test file | | |  |
| Step 2 | | Task | | | Complete |
| Upload file | | If there is no sanitisation go to the php file and open it creating the reverse shell. | | |  |
| Step 3 | | Task | | | Complete |
| Security bypass | | If there appears to some security e.g only allow images, change the file extension to .php.jpeg, intercept request and change back to .php | | |  |
| Step 4 | | Task | | | Complete |
| Connect to shell | | Open the location the php file is saved to and connect to shell | | |  |