

Ajay Balaji D

Completed 121 labs earning 17650 points.



Activity Report

Date	Lab	Description	Points Earned
2022-07-06	Command History	Be able to identify the risk of passing credentials with the command line	100
2022-07-06	Space After Filename	Inspect suspicious files and analyse their function	100
2022-07-06	SimpleHTTPServer	Basic understanding of SimpleHTTPServer	100
2022-07-06	MongoDB: An Introduction	A basic understanding of NoSQL Databases	100
2022-07-06	Encryption Tools: CyberChef — Recipes	Recall how CyberChef recipes work	40
2022-07-06	Python Coding – Introduction (ARCHIVED)	Read Python code	100
2022-07-06	Unrestricted File Upload	Practise exploiting file-upload vulnerabilities in web applications	200
2022-07-06	Netcat: Ep.1	Use Netcat for various tasks	100
2022-07-05	Intro to Splunk (ARCHIVED)	Use Splunk effectively	100
2022-07-05	Mimikatz & Chrome Passwords	Describe the Cookies and Login Data files that Chrome stores in %LOCALAPPDATA%	200

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Date	Lab	Description	Points Earned
2022-07-05	Clipboard Data Theft	Analyse techniques used by adversaries to steal clipboard data	100
2022-07-05	PowerShell Empire	Demonstrate the ability to configure and run various PowerShell Empire functions	100
2022-07-05	JBiFrost Analysis	Investigate the configuration of malicious Java based remote access trojans	200
2022-07-05	File Command	Using file to identify true information about unusual looking files	100
2022-07-05	Windows Sysinternals	An overview of the Sysinternals suite	40
2022-07-05	Parsing PST	Investigate email client files	200
2022-07-05	PowerShell: Working with files	Practice reading from and writing to files in PowerShell	100
2022-07-05	PowerShell: Getting Started	Practise using the PowerShell cmdlets	100
2022-07-05	SMTP Log Analysis	Carry out a log analysis in order to identify particular information	100
2022-07-05	Log Finder	Perform web log analysis	100
2022-07-04	Windows: DLL Hijacking	Exploit the DLL search order to escalate Windows privileges	600
2022-07-04	SQL Injection – sqlmap	Practise applying sqlmap to a database	200
2022-07-04	Hydra: Brute Force	Perform password brute forcing of multiple protocols using hydra	200
2022-07-02	Linux CLI: Ep. 12 – Using Find	Recognise how the find command works and the filters and arguments that go with it	200
2022-07-02	Linux CLI: Ep. 8 – Manipulating Text	Know how to modify text within files using basic command line tools	200

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Date	Lab	Description	Points Earned
2022-07-02	Linux CLI: Ep. 16 – Combining Commands	Identify the different ways of combining commands on the terminal	200
2022-07-01	CVE-2019-17387 (Aviatrix VPN Client Privilege Escalation)	Exploit CVE-2019-17387 to escalate privileges	200
2022-07-01	CVE-2019-1388 (Windows Priv Esc UAC Bypass)	Bypass User Account Controls	200
2022-07-01	Chaos in Slash Bin	Find a way to execute the correct commands	200
2022-07-01	APT10: Quasar RAT	Investigate encryption methods related to popular RATs	600
2022-07-01	Container Security: Volumes	Learn how containers access files on the host	300
2022-07-01	Timestomp	Autopsy usage	300
2022-07-01	Splunk: Event Analysis 2 (ARCHIVED)	Demonstrate and develop event log analysis techniques	200
2022-07-01	Windows Forensics	Investigate and analyse operating systems using common forensic techniques	300
2022-07-01	Web Applications: Directory Traversal	Conduct directory traversal attacks against a web server	200
2022-07-01	Splunk: Event Analysis (ARCHIVED)	Demonstrate and develop basic event log analysis techniques	200
2022-06-30	Kringle Inc.	Decode common encoding and encryption schemes	300
2022-06-30	Cross-Site Scripting (XSS) – Stored	Be familiar with stored XSS attacks and how they arise	300
2022-06-30	World Cup Trivia	Research World Cup knowledge	300
2022-06-30	Mal Wars	Demonstrate critical thinking	200

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Date	Lab	Description	Points Earned
2022-06-30	Scheduled Tasks	Demonstrate how to navigate information in Windows Scheduled Tasks	100
2022-06-30	Server Identification	Identify default honeypot configurations	200
2022-06-24	Protocols – LDAP	Analyse the LDAP protocol in an enterprise context	100
2022-06-24	Windows Registry	Evaluate registry values	100
2022-06-24	Windows File Permissions	Analyse Windows file permissions	100
2022-06-24	Internet Protocol V4	Explain the core concepts of IPv4 addressing	100
2022-06-20	Linux CLI: Ep.1 – Introduction to the Linux Command Line Interface	Recall Linux command line fundamentals	40
2022-06-20	The Bombe Machine	Recognize how the Bombe machine works	200
2022-06-20	The Typex Machine	Recognize how a Typex machine works	200
2022-06-20	The Enigma Machine	Recall how the Enigma machine works	200
2022-06-20	OSI Model	Identify the different layers of the OSI model	40
2022-06-20	Wireshark: Stream/Object Extraction	Analyse network packet captures	200
2022-06-20	Linux CLI: Ep. 6 – Editing Files	Be able to recall some common Linux command line text editors	100
2022-06-20	Linux CLI: Ep. 7 – Using wc	Be able to count elements in a file using the wc tool	200
2022-06-20	Linux CLI: Ep. 4 – Changing Things	Know the five Linux CLI commands explored in the lab and be able to describe their basic usage	100

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Date	Lab	Description	Points Earned
2022-06-06	Port Identification	Match common ports to services	100
2022-06-06	HTTP Status Codes	Develop knowledge of HTTP status codes	100
2022-06-06	It's a Game of Pong	Develop critical thinking	100
2022-06-06	Port Bingo - Easy Mode	Demonstration of critical thinking	100
2022-06-06	Wireshark Display Filters: An Introduction	Analyse network packet captures	100
2022-06-06	Web Applications: Page Source Review	Analyse the web application source code to recognise technologies being used	200
2022-05-02	Snort Rules: Ep.3 – HTTP	Demonstrate usage of Snort rules	300
2022-05-02	Snort Rules: Ep.2 – DNS	Create Snort rules for DNS events	300
2022-04-28	Snort Rules: Ep.1	Demonstrate proficiency in basic Snort rules	200
2022-04-20	Protocols – ARP	Identify packet structure of ARP requests and responses	100
2022-04-20	SSL Scanning	Identify weak cryptographic ciphers	200
2022-04-20	Rainbow Tables	Describe what a rainbow table is	40
2022-04-20	Defence in Depth	Discover the principles of defence systems	20
2022-04-20	AWS Security Groups	Analyse security configuration	40
2022-04-20	Accounting and Audit	Identify audit and accounting methodology	200

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Date	Lab	Description	Points Earned
2022-04-19	Burp Suite Basics: HTTPS	Configure and use Burp Suite with Firefox	100
2022-04-18	Introduction to Encryption	Identify different types of encryption algorithms	100
2022-04-18	Introduction to Hashing	Identify the characteristics of a good hashing algorithm	100
2022-04-18	Geolocation	Recognize the differences between device-based and server-based geolocation tracking	10
2022-04-18	Burp Suite Basics: Introduction	Set up and use Burp Suite with Firefox	100
2022-03-18	Msfvenom	Use msfvenom to create a payload	300
2022-03-15	Exfiltration Over Alternative Protocol	Practise identifying instances where data has been exfiltrated	100
2022-03-15	Introduction to Command & Control Frameworks	An introduction to Command and Control Frameworks	40
2022-03-15	Pass The Hash	Perform a Pass-the-Hash attack on a vulnerable server	200
2022-03-15	Symmetric vs Asymmetric Key Encryption	Apply symmetric key encryption and decryption techniques	100
2022-03-15	Caesar Ciphers	Recall how Caesar cipher encoding works	40
2022-03-15	WannaCry (ARCHIVED)	Safely observe WannaCry ransomware	100
2022-03-11	CVE-2019-0708 (BlueKeep - Exploitation)	Exploit BlueKeep	200
2022-03-11	Msfconsole: Using the Database (Archived)	Apply Metasploit's database and project management features	100
2022-03-10	Msfconsole: Auxiliaries (Archived)	Use Metasploit auxiliary modules for scanning	100

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Date	Lab	Description	Points Earned
2022-03-10	Msfconsole: Exploit (Archived)	Practise using Metasploit's exploit modules to attack services	200
2022-03-09	tcpdump	Analyse network packet captures	200
2022-03-09	Packet Capture Basics	Analyse network packet captures	100
2022-02-10	Protocols – FTP	Explain the core concepts of the File Transfer Protocol	100
2022-02-07	Nmap: Ep.1 – Basic Scanning	Demonstrate basic network scanning techniques	200
2022-02-07	Banner Grabbing	Identify and enumerate common services	100
2022-02-07	Network Scanning	Operate various network scanning tools to identify open ports	100
2022-02-01	Zone Transfer	Analyse DNS information revealed by a zone transfer	200
2022-01-31	Intro to Wireshark	Analyse network packet captures	100
2021-11-18	Cryptocurrency & Blockchain	An introduction to cryptocurrency and blockchain concepts	10
2021-11-18	Cross-Site Scripting (XSS) – Reflected	Perform reflected XSS attacks against a website	200
2021-11-18	Introduction to Networking: Ep.6 — Domain Name System	Summarize the fundamentals of the Domain Name System	40
2021-11-18	SQL Injection – UNION	Employ advanced SQL injection techniques	300
2021-11-18	Tor	Describe how Tor works	40
2021-11-11	Virtualisation	Describe the uses and advantages of virtualisation	10

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Date	Lab	Description	Points Earned
2021-11-11	Platform as a Service (PaaS)	Be able to explain the advantages and disadvantages of Platform as a Service	20
2021-11-11	Infrastructure as a Service (IaaS)	Describe the advantages and disadvantages of Infrastructure as a Service (IaaS).	20
2021-11-11	Containers	Describe containers and their advantages and disadvantages	20
2021-11-11	SQL: An Introduction	Gain an understanding of the SQL language and queries	100
2021-11-10	Software as a Service (SaaS)	Be able to describe the advantages and disadvantages of SaaS	20
2021-11-10	Linux CLI: Ep. 2 – Getting Started with the Terminal	Be able to recall fundamental concepts of the Linux terminal	100
2021-11-10	Linux CLI: Ep. 5 – File Permissions	Be able to read Linux file permissions	100
2021-11-10	Linux CLI: Ep. 3 – Moving Around	Have the ability to navigate through directories on the command line	100
2021-10-30	Analysing Sandbox Reports	Investigate malicious samples using sandbox reporting styles	100
2021-10-19	Multi-Factor Authentication	Recall how multi-factor authentication works	10
2021-10-19	John the Ripper	Exposure to John the Ripper tool chain	100
2021-10-19	Password Hashes II	Understand the benefits of salting passwords	100
2021-10-08	Hashing – MD5	Apply the MD5 hashing algorithm to strings	100
2021-10-08	Hashing – SHA-1	Apply the SHA1 hashing algorithm to strings	100
2021-10-05	Policies, Processes, and Procedures	Recall the differences between policies, processes, and procedures	10

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Date	Lab	Description	Points Earned
2021-10-05	Linux CLI: Ep. 15 – Generating File Hashes	Be able to recognise file hashes	100
2021-10-05	GDPR Aware (ARCHIVED)	Explain the key details and impact of GDPR	10
2021-09-16	Immersive Bank: Ep. 2 – Gaining Access	Apply critical thinking to gain access to the computer	100
2021-09-16	Immersive Bank: Ep.1 – Open Source and Credentials	Employ Open Source Intelligence to uncover the CEO's password	200
2021-09-15	Compliance, Legislation, Regulation, and Standards	Describe the differences between compliance, legislation, regulation, and standards	10
2021-09-15	The Cyber Essentials Scheme	Identify the most common attacks outlined by the Cyber Essentials scheme	20

About Immersive Labs

Immersive Labs is the world's first fully interactive, on-demand, and gamified cyber skills platform. Our technology delivers challenge-based assessments and upskilling exercises which are developed by cyber experts with access to the latest threat intelligence. Our unique approach engages users of every level, so all employees can be equipped with critical skills and practical experience in real time.