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HMTS HM Training Solutions

Training:

Cloud Security Masterclass: Defender's Guide to Securing Public Cloud Infrastructure

Date of the online training: **March 29-30, 2021**

Overview

This training focuses on elevating your threat detection, investigations, and response knowledge into the cloud. This hands-on training with CTF-style exercises simulates real-life attack scenarios on cloud infrastructure & applications. It then teaches you to build defensive guard rails against such attacks by using cloud native services on AWS. This makes it an ideal class for red & blue teams. By the end of this training, we will be able to:

- Use cloud technologies to detect IAM attacks.
- Understand and mitigate cloud native pivoting and privilege escalation and defense techniques.
- Use serverless functions to perform on-demand threat scans.
- Containers to deploy threat detection services at scale.
- Build notification services to create alerts.
- Analyze malware-infected virtual machines to perform automated forensic investigations and artifacts collection.
- Use Elasticsearch and Athena for building SIEM and security data-lake for real-time threat intelligence and monitoring.

Who should attend this training?

- Red Team members
- Blue team and Purple team members
- Cloud Security Teams
- Incident responders, Analysts
- Malware investigators and Analysts
- Threat intelligence analysts and Responders

Prerequisites

- Basic understanding of cloud services
- System administration and Linux cli
- Able to write basic programs in python

Requirements

- Laptop with internet access
- Free tier account for AWS

Students will be provided with:

- PDF versions of slides that will be used during the training.
- Complete course guide in containing 200+ pages in PDF format. It will contain step-by-step guidelines for all the exercises, labs and detailed explanation of concepts discussed during the training.
- Slack channel to continue the discussion and access even after the training ends.
- Infrastructure-as-code templates to deploy the test environments & simulations for continued practice after the class ends.
- Access to Github account for accessing custom-built source codes and tools.
- Collection of test malware samples, forensic images, detection rules and queries.

About the Trainers

Abhinav Singh is a cybersecurity researcher with close to a decade long experience working for global leaders in security technology, financial institutions and as an independent trainer/consultant. He is the author of Metasploit Penetration Testing Cookbook (first, second & third editions) and Instant Wireshark Starter, by Packt. He is an active contributor to the security community in the form of patents, open-source tools, paper publications, articles, and blogs. His work has been quoted in several security and privacy magazines, and digital portals. He is a frequent speaker at eminent international conferences like Black Hat, RSA & Defcon. His areas of expertise include malware research, reverse engineering, enterprise security, forensics, and cloud security.

Booking

Recommended online booking of trainings through:

https://troopers.de/tickets/

Contact

Need assistance? Don't hesitate to call us. We are fluent in English and German. +49 6221 480390 or info@troopers.de

Booking is also possible offline through your trusted partner:

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