ForAllSecure, Inc.
3710 Forbes Ave, 3rd Floor
Pittsburgh, PA 15213
www.forallsecure.com

Adversarial, Penetration, and Fuzz Testing Training and Certification Offering

Objectives

The ForAllSecure Adversarial Training Training and Certification offering is designed to provide customers with training services, both instructor-led and remote through ForAllSecure University. Instructor-led training attendees will be trained and certified in Adversarial Testing using Mayhem, ForAllSecure's AppSec solution.

The Adversarial Training Training and Certification offering includes one 2-day instructor-led training for up to 8 attendees delivered onsite or remotely. The actual delivery logistics will be agreed upon with the Customer and will depend upon ForAllSecure and Customer resources availability and time frame. The Adversarial Training Training and Certification offering also includes unlimited access to ForAllSecure University for the period of 12 months. The Adversarial Training Training and Certification offering also includes a Mayhem instance provided free of charge for the period of 12 months following the date of the training session.

Approach and Activities

The following activities are included in the scope of the Adversarial Training Training and Certification offering:

Training (2 Days - One 2-Day Onsite Session Onsite or Remotely)

A ForAllSecure Solutions Architect (SA) will deliver the training engagement upon mutual agreement that the prerequisites for project initiation have been met.

In this training course, students will learn how to use Mayhem, a tool for automatically checking software for critical security bugs with zero false positives.

Mayhem performs dynamic analysis, which means it runs the program to find bugs, vulnerabilities, and other defects. Mayhem runs on the program binary executable, and not the source code, to ensure that all defects found are in the code that executes, not just the source code that was compiled.

By the end of this course, students will learn how to:

1. Understand the science behind Mayhem, specifically:
    1. Understanding dynamic analysis, its importance in software security and how it compares to static analysis.
    2. Understanding fuzzing and how Mayhem uses fuzzing to generate inputs to find defects and test a program.
    3. Understanding what code coverage is, and why it is measured.
    4. Learning about symbolic execution, a powerful dynamic program analysis technique rooted in formal program analysis.
    5. Understanding how Mayhem combines these techniques for an efficient and user-friendly approach to finding exploitable vulnerabilities.
2. Run Mayhem on executable (aka "binary") programs, specifically:
    1. Understand the Mayhem workflow and UI
    2. Package up applications for Mayhem analysis
    3. Run continuous testing on new revisions of software
    4. Identify code that is Mayhem-compatible
    5. Focus Mayhem on specific code regions of interest
    6. Reproduce infamous and interesting exploits

This course has a strong lab component, where participants will interact with Mayhem. Answers for each section will be provided with explanations and references so that users may walk through the labs at home without instructor assistance.

Certification

At the end of the training course, all students who attended the full 2-day training session and completed all exercises will be awarded a certificate of course completion.

Mayhem Access Post-Training

To enhance and deepen their knowledge of adversarial testing, the students who completed the course will have access to a Mayhem instance for the period of 12 months from the date of the training session. After 12 months, Customer will have an option to purchase a Mayhem license.

ForAllSecure University Access Post-Training

To enhance and deepen their knowledge of adversarial testing, anyone within the Customer organization will have access to ForAllSecure University for the period of 12 months from the date of the training session.

Prerequisites and Assumptions

- Customer agrees to commit the appropriate technical resources for the duration of the delivery engagement, including the technical resources with login access to all servers and systems to be configured to support the training as needed.
- Travel and expenses for onsite Activities are included in the price of this offering and will not be billed separately. Remote Activities will be delivered using Zoom or another video-conferencing software.
- The recommendation regarding onsite vs remote services delivery comes from best practices in the field and is of advisory nature only. The actual delivery logistics will be agreed upon with the customer and will depend upon ForAllSecure and customer resources availability.
- The engagement must be scheduled at least fourteen (14) days in advance or longer if clearance is required.
- Training days not used within 365 days following the date of the full execution of the ordering document with which this training offering description is associated will expire without right of refund.

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- The training services described in this document are provided pursuant to, and governed by, ForAllSecure's Professional Services Terms, as available at https://forallsecure.com/professional-services-terms-and-conditions.

Pricing

- The Adversarial Training Training and Certification Offering is priced at $32,000 USD.