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Anjuna Confidential Computing Workshop

FOR THE CERTIFICATION OF THE

Anjuna Certified Professional

Overview

This document outlines the Anjuna Confidential Computing Workshop program, a half to full day engagement conducted for strategic partners and customers for advanced knowledge transfer, practitioner education, and enablement on *Confidential Computing*[1] technology with practical enterprise use cases. After the successful completion of the coursework and exam, participants are awarded the title of **Anjuna Certified Professional (ACP) in Confidential Computing.**

Attendees will learn new and insightful knowledge covering:

1. Confidential computing technology spanning different clouds, CPUs, implementations, architectures and best practices

2. Deployment strategies for solutions across different use cases spanning sensitive cloud workloads, securing live data-in-use, securing essential cryptographic processes used in enterprises applications during use, protecting AI models and data, enabling security for data and code in use, at rest and in motion. The course will build from examples from your own organization to solve difficult security challenges not possible without privacy-enhancing hardware-based enclave techniques.

3. Hands-on use of the technology, even for non-technical users, to demonstrate success in a lab environment. Attendees with no coding skills can participate and achieve results as the labs do not require coding effort. Advanced users may work with our experts on their own applications.

4. Deeper dives based on your own applications and architectures with a goal of establishing possible high-impact use cases of your own confidential computing implementations from this classroom program.

[1] *What is confidential computing ? Learn More*

Who Should Attend?

The workshop is designed to provide business line leaders, technical executives and security architects with hands-on insights into the use of confidential computing technologies and its application to protect data in use, at rest and in motion together to secure cloud applications, AI processing, and collaboration across untrusted partners or business lines. Confidential computing represents a brand new powerful capability to quickly secure code and data from attack, insider threat and can meet compliance regulations related to data security and privacy on an accelerated basis.

Costs and Prerequisites

The only cost is your time, and your facilities for any on-site workshops. Participants are expected to bring their own laptops. Customers who wish to deploy some of the examples in their own cloud should have free accounts or suitable access to a developer account or sandbox.

For most of the workshop, Anjuna's democenter environment will be used, so only a wifi and internet connection is required to access the following URL:

- https://console.anjuna.io/demos

Important: Please provide email addresses for each attendee before the workshop so that user accounts can be created in the demo center in advance. Access can also be tested in advance.

Security and Data Requirements

No production data should be used or required for the workshop. If we do implement any of your code in sample tests with your guidance, it is assumed you have permission to do so. Anjuna will not have access to data or code during the workshop except for our own democentre system for lab use.

Agenda Outline and Duration

A typical workshop is half a day as agreed, or approximately 4-5 hours including breaks. A full day allows for plenty of engagement with our experts and is recommended to dive as deep as needed including architecture and advanced risk mitigation topics. The workshop includes hands-on labs, quizzes and a certification exam for attendees. The following outline provides a typical agenda for the workshop program which can also be tailored as needed for particular scenarios or levels of expertise. Time is approximate and may vary depending on class size.

Introductions + Workshop objectives - 15 -20 mins

Discussion on customer problems to address with regards to data in use, data security, private workload operation and cloud transformation - setting the scene for the mapping exercise later in the workshop.

Introduction to Confidential Computing + Lab - 40 mins

A fast-track introduction to the core technologies with hands-on labs exploring confidential computing technology, memory vulnerability risks, and basic deployment models. Participants will emerge with good knowledge of confidential computing technology and basic application use.

Use Cases and Architectures + Hands-on Labs - 30 mins

This session will expand into common and novel use cases including high level architectures for a wider picture of confidential computing in actual deployments.

Deep Dive - Architecture, Operations, DevOps + Labs - 30 mins

This session will dive deeper into the mechanisms and attributes of confidential computing platforms, including performance architectures, operational best practices, attestation techniques and technology, secrets management, monitoring and operations considerations. While aimed at technology operations professionals, the labs can be executed by non-technical staff too for well-rounded knowledge transfer.

Customer Use Case Mapping to Confidential Computing - 30 mins

This session will look at real or representative examples of applications in a virtual whiteboard session to look at how Confidential computing can address risks, enhance privacy of operations, or enable completely new approaches to security to previously intractable cyber risk and and privacy problems.

Strategy for Proof of Concept or Pilot Programme - 30 mins

After establishing the technology and use case knowledge with hands-on sessions and active classroom participation, this session will leverage the mapping performed in the previous step to plan for technology evaluation and to more specifically map how particular app challenges can be addressed on a metrics basis for cost, risk, time-to-success or simplification. The goal is to ensure both technical fit to purpose, and meaningful economic, risk, integration strategies or innovation value for business justification.

Certification Exam - 30 mins

A short exam brings the workshop together to certify attendees on Confidential Computing with certificates awarded to successful attendees.

Social Event - 30+ mins

Finally, whether virtual or in-person, we will look at having a short social wrap-up to let our hair down from the intensity of the workshop.

Requesting a Workshop

Please contact Dwayne Hoover (dwayne.hoover@anjuna.io) or Mark Bower (mark.bower@anjuna.io) directly to schedule.

You may also reach additional contacts at info@anjuna.com at any time.

We kindly request workshops are scheduled at least 14 days in advance to permit scheduling, travel and logistic planning, especially for on-site classroom.

Workshop Classroom Size

TThe Anjuna workshop democenter and lab environment used for training can support up to 100 concurrent users, so workshops can include up to 100 attendees. We recommend ideal class sizes are 10-50 attendees.

A mix of virtual and in-person is possible to accommodate remote users or multiple regions. Additional workshops for particularly large distributed organizations can be requested.

Workshops can be recorded for re-use internally by customers up to the storage and hosting limits of Zoom.

Pre-reading

Please refer to the Anjuna resource library for additional pre-reading materials.

- https://www.anjuna.io/resources

About Anjuna

Anjuna created the leading multi-cloud confidential computing platform to run applications in any cloud with complete data security and privacy. Anjuna isolates workloads in a protected environment that intrinsically secures data in every state. Anjuna empowers enterprises to directly control application-level trust policies, ensuring that only trusted code can access sensitive data. Anjuna works with enterprises around the globe in industries such as financial services, government, and blockchain.

Join us for a live demo