

Ducara Info Solutions (P) Ltd.



C|iASX

Certified iOS Application
Security Expert

www.ducarainfo.com

WHY C|iASX?

Become a C|iASX

- This course is as practical and real-world as it gets. Provides numerous quick wins and really stimulates thinking about relative value of numerous ways to defend your organization.
- In some parts of the world, the connectivity and social networking has even led to the downfall of autocratic regimes and the realignment of societies.

What is the Objective?

Outcome Of this Course

This course regarding iOS's security model is to finding code execution vulnerabilities in the base OS, and other security-related characteristics. Other work has focused on examining iOS from a forensic perspective, including how to extract data from physical devices or backups as part of criminal investigations.



Target Audience

Who earns C|jASX?

This course focuses on the iOS platform and application security and is ideal for **pen-testers**, **researchers** and the casual **iOS enthusiast** who would like to dive deep and understand how to analyze and systematically audit applications on this platform using a variety of bleeding edge tools and techniques.

Duration: 16HRS

An aerial night view of a city skyline, likely New York City, featuring a prominent skyscraper (the Empire State Building) and a dense grid of lights. The image is overlaid with a semi-transparent white banner containing the text "TOPICS THAT WILL BE COVERED".

TOPICS THAT WILL BE COVERED

Topics that will be Covered -

MODULE 1: iOS ARCHITECTURE

- iOS Architecture
- iOS Security Architecture
- Secure Enclave
- Touch ID
- Code Signing

MODULE 2: DEVICE JAILBREAKING

- Jailbreaking
- iOS Privilege Separation
- Sandbox
- Side Effect

MODULE 3: SETTING UP A TESTING ENVIRONMENT

- iOS App Development Concepts
- Setting up an Environment
- Tools of the trade

MODULE 4: iOS BUILD PROCESS

- Simulator Limitation
- Apple Developer Program
- Building an App
- Provisioning Identity
- Running App on Device and Emulator
- Obfuscation

MODULE 5: REVERSING iOS APPS

- Reversing iOS Apps
- Information Gathering
- Reversing Engineering Tools
- Reversing App Store Apps

MODULE 6: iOS APPLICATION FUNDAMENTALS

- Objective C vs. Swift
- iOS Application Structure

MODULE 7: iOS TESTING FUNDAMENTALS

- Simulator vs. Real Device
- iOS Testing Fundamentals
- Data Protection
- Third Party SDKs
- Hot Patching

MODULE 8: NETWORK TRAFFIC

- Browser vs. Mobile Apps
- Networks
- Certificate Validation
- Hostname Validation
- Certificate Pinning
- Other Checks

MODULE 9: DEVICE ADMINISTRATION

- Device Management
- Device Enrollment
- MDM Profiles
- Jailbreak Detection

MODULE 10: DYNAMIC ANALYSIS

- Objective-C Runtime
- Cycript
- Attack Custom Apps
- Tools



Any Query?

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**The Technology Is Changing Every Day And We At Ducara Are Committed To Demonstrating Values.
Embracing A Digital Transformation Strategy Which Drive Returns On IT Security Investment.**