5 Days

Certified Application Security Engineer (CASE .NET)

An Application Security certification from EC-Council and a twin of the same certification offered for Java as well, Certified Application Security Engineer accreditation primarily for .NET developers, among other designations is a 10 module course. Its 50 multiple-choice questions, test applicants in 120 minutes or 2 hours which require a minimum passing score of 70%. Being mapped to NICE 2.0, and a much-respected certification in the Information Security sector is a significant incentive to pursue this course.

CASE [.NET] Course Objectives:

There is more about the Software Development Life Cycle [SLDC] comprising of Requirement, Design, Development,Testing, Deployment, and Maintenance stages. There are also the following topics and softwares about which present and future Application Security Engineers must know:

- OWASP, SAST, and DAST
- Secure SDLC and its models
- Application security technologies like Fortify, AppScan, WebInspect
- Forming Software Development Codes for platforms like Agile, CI, CD.
- Spearheading a robust application development program
- Single sign-on, encryption
- Gather data and dissect needs for securing an application
- Author secure .NET applications
- Test applications for attacks from hackers to improve overall digital security setup
- Applying knowledge on various platforms like Mobile, Internet of Things,
- Conclude application code reviews, both mechanically and humanly
- Issue reports which elaborate the challenges, risks, practices and solutions of various applications in the sector or the corporation

Course Details

Course Outline

An applicant needs to go through 10 modules to be a Certified Application Security Engineer. They are listed below:

- Understanding Application Security, Threats, and Attacks
- Security Requirements Gathering
- Secure Application Design and Architecture
- Secure Coding Practices for Input Validation
- Secure Coding Practices for Authentication and Authorization
- Secure Coding Practices for Cryptography
- Secure Coding Practices for Session Management
- Secure Coding Practices for Error Handling
- Static and Dynamic Application Security Testing (SAST & DAST)
- Secure Deployment and Maintenance

Who Should Attend

CASE [.NET] Recommended Designations:

After being certified as an Application security engineer from EC-Council, the following posts may be available and surely, growth from those on any of the present ones is almost certain:

- .Net Developers
- Architects
- Application security engineers
- Application security analysts
- Application security testers
- Business Analysts
- Project Architect
- Security Testers
- Security Engineers
- Security Analysts
- Software Application Engineers
- Software Application Developers
- Software Application Testers

Pre Requisite

There are 3 paths available to those wanting to be Certified Application Security Engineers:

- 2 years working full-time in the Information Information Security/ Information Software sector **or**
- Be accredited as Certified Secure Programmer ie ECSP .NET from EC-Council **or**
- Possess proof of any other industry relevant course like GIAC's GSSP.

Exams

Certified Application Security Engineer [-]

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