

AppSec for Developers (CCPE)

Course Duration : 24 Hours

Course code : CCPE-APPSEC

1. Course Overview

The **AppSec for Developers (CCPE)** course is designed to help developers understand application security concepts and secure coding practices. This course focuses on identifying vulnerabilities in applications, protecting against common attacks, and integrating security into the software development lifecycle using Check Point application security principles.

2. What you'll learn?

- Application security fundamentals
- Common web application vulnerabilities
- Secure coding best practices
- OWASP Top 10 threats
- Integrating security into DevOps
- Application threat detection and prevention

3. Target Audience

- Application developers
- Software engineers
- DevOps professionals
- QA engineers
- Security-aware development teams

4. Pre-Requisites

- Basic programming knowledge
- Understanding of web applications
- Familiarity with software development concepts

5. Course Content (Modules)

Module 1: Application Security Fundamentals

- Introduction to AppSec
- Security risks in modern applications

Module 2: Common Application Vulnerabilities

- OWASP Top 10 overview
- Injection and authentication flaws

Module 3: Secure Coding Practices

- Input validation
- Authentication and authorization

Module 4: Web Application Protection

- Web attacks and defenses
- Application-layer security

Module 5: Develops Integration

- Security in CI/CD pipelines
- Automation and testing

Module 6: Threat Detection and Prevention

- Runtime protection
- Incident response basics

Module 7: Basic Troubleshooting and Maintenance

- Common firewall issues
- System maintenance tasks

