

Get live, expert instruction from anywhere.



Secure Coding for .NET Boot Camp

Learn how to develop Secure .NET applications. This boot camp is designed for ASP.NET and C# developers that require effective, real-world, secure programming skills they can implement immediately at the workplace.

Course description

This comprehensive three-day Secure Coding for .NET (ASP.NET/C#/VB.NET) Boot Camp is designed to educate professional programmers on the skills necessary to develop and deploy secure applications. You will learn about potential security issues through concrete, hands-on examples of vulnerable code.

You'll learn which poor programming practices lead to vulnerable code, how to code securely and how to maintain secure development practices throughout the development life cycle. You'll sharpen skills and gain experience in applying secure design and implementation principles through demonstrations of building, testing and securing real-world applications. You'll also be given the opportunity to participate in securing and testing applications through a progression of "challenge scenarios" alternating assignments as "attackers" and "defenders" of applications.

Who should attend

- » NET application developers
- » C# programmers
- » ASP.NET developers
- » Managers, architects and technologists involved in deploying .NET applications
- » Anyone interested in learning more about secure .NET coding

Boot camp at a glance



What you'll learn

- ✓ Common web application exposures and attacks
- ✓ Static analysis techniques to quickly find flaws in your code
- ✓ How to code defensively and perform proper input validation



Delivery methods

- ✓ Online
- ✓ Team onsite



Training duration

- ✓ Immediate access to Infosec Skills
- ✓ 3-day boot camp
- ✓ 90-days extended access to all boot camp materials

The hands-on cybersecurity training platform that moves as fast as you do

Infosec Skills boot camps are engineered to match the way today's cybersecurity professionals prefer to learn. In addition to days of live training from an experienced pro, you'll get unlimited access to 100s of additional hands-on cybersecurity courses and cyber ranges to help you advance your skills before, during and after your boot camp. Your Infosec Skills access extends 90 days past your boot camp, so you can take additional time to prepare for your exam, or get a head start on your next certification goal.



Start training immediately

Prepare for your boot camp with immediate access to the Infosec Skills on-demand training library.



Learn by doing in the cyber range

Put what you've learned into practice with 100s of browser-based labs and hands-on projects.



Get unlimited custom practice exams

Uncover knowledge gaps with unlimited practice exams attempts and skill assessments.



700+ IT and security courses

Earn CPEs and build new skills with 100s of additional training courses.

What's included

- » Three days of expert, live Secure Coding .Net training
- » 100% Satisfaction Guarantee
- » Free 90-day Infosec Skills subscription (access to 1,400+ additional courses and labs)
- » 90-day extended access to all boot camp video replays and materials
- » Hands-on cyber ranges and labs
- » Knowledge Transfer Guarantee

Prerequisites

Roughly 12-24 months of experience working with .NET applications is recommended. You should have an understanding of web applications, web programming concepts and experience building web applications using the .NET Framework. A basic understanding of IT security principles is recommended but not required.

What you'll learn

This boot camp teaches you how poor security practices leave applications open to attack and how to implement the necessary tools, techniques and best practices to write code in a secure manner. It will help develop your knowledge and skills around:

- » Common web application exposures and attacks
- » Compliance for the OWASP Top 10 training component in the PCI DSS standard
- » Static analysis techniques for quickly finding web application flaws
- » Secure use of C#/VB.NET API
- » How to code defensively and perform proper input validation

Regularly updated training

Black hat hackers are always changing their tactics to get one step ahead of the good guys. We update our course materials regularly to ensure you learn about the latest threats — and how to write secure code to prevent those threats.

Skill up and get certified, guaranteed



100% Satisfaction Guarantee

If you're not 100% satisfied with your training at the end of the first day, you may withdraw and enroll in a different online or in-person course.



Knowledge Transfer Guarantee

If an employee leaves within three months of obtaining certification, Infosec will train a different employee for free for up to one year.

What our students are saying

I really appreciate that our instructor was extremely knowledgeable and was able to provide the information in a way that it could be understood. He also provided valuable test-taking strategies that I know not only helped me with this exam, but will help in all exams I take in the future.

Michelle Jemmott

Pentagon

Excellent! Our instructor had a vast background and related the materials to real life. Much better than just teaching the materials to pass an exam ... but he did that as well. He went out of his way in class. The extra materials really benefited us when we returned to our real jobs! Great experience!

John Peck

EPA

Very impressed with Infosec. My instructor did a great job delivering the information strategically and in a way for all to understand. I would definitely take another class/certification prep course.

Sylvia Swinson

Texeltek

The instructor was able to take material that prior to the class had made no sense, and explained it in real-world scenarios that were able to be understood.

Erik Heiss

United States Air Force

The course was extremely helpful and provided exactly what we needed to know in order to successfully navigate the exam. Without this I am not confident I would have passed.

Robert Caldwell

Salient Federal Solutions

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LIVE BOOT CAMPS 

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Secure Coding for .NET details

Our instructors give you 100% of their time and dedication to ensure that your time is well spent. You receive an immersive experience with no distractions!

Before your boot camp

Start learning now. You'll get immediate access to all the content in Infosec Skills, including an in-depth boot camp prep course, the moment you enroll. Prepare for your live boot camp, uncover your knowledge gaps and maximize your training experience.

During your boot camp

- » Course introduction
 - » Web application environment and components
 - » General web application security concepts
 - » .NET framework security features
- » Input validation and encoding
 - » Input-driven attacks
 - » Validation best practices
 - » Output encoding
- » Authentication, authorization and session management
 - » Common authentication weaknesses
 - » Authorization best practices
 - » Controlling application access
 - » Password security
 - » Session hijacking and trapping
 - » Protecting user sessions and tokens
 - » Canonicalization problems
 - » Parameter manipulation
- » Encryption, confidentiality and data protection
 - » Cookie-based attacks
 - » Protecting application variables
 - » Cache control issues
 - » SSL best practices
 - » Protecting usernames, passwords and personally identifiable information
- » Common cryptography pitfalls
- » Data access
 - » Secure database programming
 - » Database permissions best practices
 - » Parameterized queries
 - » Common stored procedure flaws
- » Error handling and logging
 - » Attacking via error messages
 - » Secure logging and error handling
- » Server configuration and code management
 - » Common web and app server mis-configurations
 - » Common database server mis-configurations
 - » Protecting application code
- » XML web services
 - » Overview of WSDL, SOAP and AJAX
 - » Web service attacks
 - » AJAX pitfalls
 - » Web service best practices
- » Application threat modeling
 - » Threat modeling concepts
 - » Application context
 - » Identifying attacks, vulnerabilities and countermeasures
 - » Threat modeling tools
- » Practical security testing techniques for developers
 - » Useful web application assessment tools
 - » Determining the severity of vulnerabilities
 - » Dealing with time constraints

After your boot camp

Your Infosec Skills access extends 90 days past your boot camp, so you can take additional time to prepare for your exam, get a head start on your next certification goal or start earning CPEs.

About Infosec

Infosec's mission is to put people at the center of cybersecurity. We help IT and security professionals advance their careers with skills development and certifications while empowering all employees with security awareness and phishing training to stay cyber-safe at work and home. Learn more at infosecinstitute.com.