

Defensive Coding using Microsoft .Net

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Abstract

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If hacking is an art in your eyes then 'defensive coding' is a rare art known only to the masters. This is your chance to learn this rare art to give the hackers and pen-testers a run for their money.

In this one day hands on training, the attendees will learn to identify vulnerabilities in the source code and write code that can prevent attacks, identify the hacking attempt and take precautionary measures. These measures could be just blocking the attacks, tracking the attacker or alluring them using honey pots.

The course will begin with a short introduction to the application security followed by a deep dive into defensive coding techniques. On a higher level, the training is divided into 3 modules:

1. Principals of secure application design and defensive coding
2. Identifying application layer vulnerabilities and writing preventive controls
3. Identifying attack patterns and proactively blocking the attacks.

Objectives

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1. Attendees will understand various application layer vulnerabilities.
2. Attendees will be able to identify the application layer vulnerabilities in the source code.
3. Attendees will be able to write code to prevent the vulnerabilities.

To bring:

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1. Laptop with a DVD drive.
2. Latest VMware Player or VMware Workstation installed.
3. Four GB of hard drive space
4. At least two GB of RAM

Instructor Bio:

Sandeep Nain is an accomplished application security professional with an IT career spanning over 10 years. During this time he has worked alongside many high-profile national and international enterprises worldwide enabling them to produce secure software.

Over the years, Sandeep has trained hundreds of developers and architects in defensive coding techniques and secure application design principles.