

A PreEmptive Solutions Extension Course

Visual Studio 2010 Special Topic *Application Injection and Instrumentation*

WHO SHOULD PARTICIPATE?

.NET application developers.

WHAT WILL YOU LEARN?

Attendees will have the expertise to monitor and manage .NET applications utilizing post-build injection technologies embedded in the Visual Studio 2010 platform.

WHY IS THIS TRAINING IMPORTANT?

The injection of application monitoring and IT policies will soon be a common practice. Organizations will be increasingly looking to informed technologists to take advantage of these capabilities and for IT policy guidance.

WHY NOW?

These capabilities are already included in the Beta release of Visual Studio 2010—the opportunities and the competitive threats are multiplying with each new Visual Studio release.

At PDC2008, Microsoft Corporation announced that Visual Studio 2010 would, for the first time, include the ability to inject instrumentation to track application usage and enforce IT policies—*these capabilities are new and relevant to every technologist and to any organization who relies upon .NET applications as a part of their business.*

Now, PreEmptive Solutions, the developer of this functionality within VS2010, is offering an extension course to teach VS2010 application injection and instrumentation concepts, patterns and practices.

Visual Studio 2010: Offering solid answers to tough development questions

After completing this course, you will have the skills to answer the following questions to improve the quality and value of your work.

What's running?

- *Monitor applications, versions, features, and methods*

How is my software doing?

- *Measure stability, performance, patterns and practices*

Where is my software running?

- *Manage across platform, framework, technology stack, client, server, cloud and mobile device*

What is the business impact of my work?

- *Connect usage to business outcomes*

How do I make it stop?

- *"time bomb" for evaluations, beta releases, and subscription use cases*
- *Tamper detection and defense to protect against piracy and malware*

NET developers can now protect, manage and increase the value of their application development investments easily and without having to write additional code."

Norman Guadagno,
director of product management
for Visual Studio Team System,
Microsoft Corporation

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About This Course

This three-part instructor-led course provides students with the knowledge and skills to develop .NET applications that incorporate the injection and instrumentation services included in Microsoft Visual Studio® 2010 and in The Dotfuscator® Suite from Pre-Emptive Solutions. The workshop focuses on use cases, functionality, user interfaces, and implementation details.

The training is divided into three parts:

- *Part I—Use cases: a 45 minute webinar*
- *Part II—Tutorial: a 60 minute webinar* that will walk-through the configuration and integration steps required to leverage injection and instrumentation technologies within your development environments.
- *Part III: a hands-on exercise* where participants will have two weeks to install Dotfuscator Professional within their development environments and apply what they have learned on an application provided by PreEmptive Solutions or an application of their choice. Participants will have access to instructors able to provide direction and answer questions during the exercise.

At Course Completion

After completing this course, students will have the basic skills to:

- Configure post-build instrumentation steps within Visual Studio, Dotfuscator Suite, and a MSbuild process.
- Use custom attributes and extended attributes
- Identify methods, components and applications to be monitored.
- Activate tamper detection and defense services.
- Activate shelf-life services.
- Configure custom behaviors within applications across all post-build services.
- Customize application runtime data fields
- Export runtime intelligence data cubes
- Track multiple applications and versions of applications

.NET Instrumentation and Injection Competency (.NET IIC)

- Participants who complete the hands-on exercise will receive a .NET IIC certificate documenting their new competency.
- Organizations who employ .NET IIC certified developers receive a 20% discount on Dotfuscator Suite Application Analytics licenses and Runtime Intelligence Service subscriptions.

Audience Profile

This workshop is intended for corporate/ISV application developers who have a desire to learn more about specific technology areas in .NET post-build injection of code and software instrumentation.

Course Registration and Training Schedules

To register for the Visual Studio 2010 Special Topic: Application Injection and Instrumentation course, contact PreEmptive Solutions at +1 216 732 5895 X1 and ask for course registration.

A DE FACTO STANDARD

When Visual Studio 2010 goes into production, every .NET developer will have the ability to inject feature tracking, time bombing and tamper defense services.

SOFTWARE + SERVICES

All usage data, end-of-life notifications and tamper incident reports can be streamed to one or more endpoints.

ENTERPRISES AND ISV'S WILL VALUE THESE SKILLS

Runtime Intelligence serves the interests of both suppliers and enterprise consumers—developers make smarter decisions and consumers have empirical evidence supporting the return on their application investments.