SETC Training Corporate Logo

.NET Training: Advanced .NET Debugging & Troubleshooting (NETDBG, 4 jours)

Description

The course Advanced .NET Debugging & Troubleshooting (.NET Training) explores .NET development from architecture to implementation. The training covers everything from the internal architecture of the .NET CLR to .NET performance tuning. Inheritance, polymorphism, data structures, algorithms & multi-threading are also discussed. The course concludes with an overview of refactoring techniques and of the use and design of design patterns in .NET.

Tarifs

- Tarification: $3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Introducing the Tools

- Tools Overview
- About .NET Framework Versions
- SOS and SOSEX
- CLR Profiler
- Working with Performance Counters
- Reflector for .NET
- PowerDbg
- Managed Debugging Assistants

Mastering the CLR

- CLR and the Windows Loader
- Loading Native Images
- Loading .NET Assemblies
- Working with Application Domains
- Application Domains: System, Shared and Default
- The Assembly Manifest
- About Type Metadata
- The Sync Block Table
- The Type Handle, Method Descriptors and Modules
- Metadata Tokens

Debugging Tasks

- About the Debugger and the Debugger Target
- About Breaking and Resuming Code Execution
- A Few Useful Debugging Tools
- Loading Managed Code Extensions
- Working with SOS and SOSEX
- Controlling CLR Debugging
- Setting Breakpoints
- Breakpoints, JIT Functions and Not Yet Compiled Functions
- Setting Breakpoints on Precompiled Assemblies
- Setting Breakpoints on Generic Methods

Inspecting Code

- About Code Inspection