



Debugging WorkShop

Visual Studio

Debugging Tips & Tricks

WorkShop Summary

| | |
|------------------------|---|
| Duration | 90 minutes |
| Target Audience | .NET developers |
| Objectives | The participants will learn advanced debugging techniques and how to get the most out of Visual Studio built-in capabilities. On top of that, we will demonstrate OzCode to show how it extends Visual Studio and improves the debugging capabilities and results |
| Pre Requisites | At least 2 years of experience in C# development |

Abstract

Debugging is part of any development process, but unfortunately, it is never planned or expected. On top of that, it's rarely approached in a structured way, and while many modern IDEs have powerful debugging tools – most developers are not aware of how they can be used to reduce the time and pain of debugging.

The whole act of debugging is usually ad-hoc, time-consuming activity considered less interesting than developing new features and writing brilliant software.

In this work shop, OzCode's senior developers will explore a structured, scientific approach to debugging, and show the latest power debugging capabilities Visual Studio has to offer.





Debugging WorkShop

Syllabus

Visual Studio built-in debugging capabilities

- Taking advantage of the Diagnostics Tools Window
- Using PerfTips to perform ad-hoc performance optimizations
- Using Edit & Continue to speed up your Write-Compile-Debug loop
- Using Tracepoints to add logging at runtime
- Evaluating lambda expressions
- Mastering Advanced Breakpoints
- Debugging 3rd party code

OzCode debugging features

- LINQ Debugging
- C# 7 Debugging Overview
- Searching through complex data structures
- Export – Capturing faulty system state into regression suite
- Heads-up display
- Analyzing Inner Exceptions with ease
- Comparing object state

About OzCode

OzCode is an innovative Visual Studio extension that supercharges the C# debugging experience.

OzCode help developers cut frustrating debugging time in half, so they can concentrate on writing brilliant software. Our next-generation tools give developers instant visual feedback on changes and allows rapid bug fixing.

OzCode's new groundbreaking capabilities include high-end support for C# 7 and LINQ debugging.

With our Visual Studio extension for C#, follow the road to a bug-free world.

