



Bernard Vander Beken
Clear2Pay Services
bvb@iname.com

Getting Started with Agile .NET Development



About Me

- Software Developer
- Clear2Pay Services
- .NET Framework
- Affinity with NAnt & Draco.NET
- Agile .NET List



About You

- Developers and Architects
- Wish to be "Agile" using .NET

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Context

- "Non-agile" Team using .NET
- Problems:
 - Testing is Hard
 - "Legacy" Code
 - Long Release Cycle
 - Build & Integration Effort
- Solution: Go Agile ?

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Solution: Go Agile?

- Test Driven-Development
 - Unit testing → NUnit
 - Refactoring → C# Refactory
- Build Tool
 - NAnt
- Continuous Integration
 - Draco.NET

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Unit Testing

- Problem: fixed bugs return
- Solution: add unit test
- DEMO
 - add failing unit test
 - run failing test
 - fix bug
 - run successful test

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Test-Driven Development

- Problem: hard to code-first, maybe-test-later
- Solution: write tests first
- DEMO of TDD Cycle
- Refactoring

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Build Tool

- Problem: No automated & consistent build
- Solution: Use a build tool

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NAnt

- Port of Ant
- Concepts
- Tasks
- DEMO

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Draco.NET

- Problem: Unpredictable Integration Effort & Infrequent Releases
- Solution: Continuous Integration = Integrate Early & Often
- DEMO

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Resources (1/2)

- The Tools
 - NUnit → <http://nunit.sf.net>
 - C# Refactory → <http://www.xtreme-simplicity.net>
 - NAnt → <http://nant.sf.net>
 - Draco.NET → <http://draconet.sf.net>
- Other Tools
 - FxCop → <http://www.gotdotnet.com/team/fxcop/>
 - NDoc → <http://ndoc.sf.net>

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Resources (2/2)

- Many discussion lists
 - NUnit/NAnt/Draco.NET Lists @ SourceForge
 - <http://groups.yahoo.com/group/agiledotnet/>
 - Search at groups.yahoo.com
- Books
 - Pragmatic Programmer
 - Refactoring, Fowler
 - TIP: Agile *Java* Books

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Thank You

- Questions?