Conventions

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Agenda

• Convention over Configuration
• Demo
  – DI container
  – Unit tests
Convention over Configuration

• Addresses bureaucracy (in code)
• Mechanisms
  – Enabling
  – Constraining
Demo

• ASP.NET MVC Controllers
  – (known case)
Demo

• Total manual complexity
Demo

• Controllers by convention
  – Using a DI Container (Castle Windsor)
Demo

• Dependency constraints
  – Automated tests that protect against accidental use of Castle Windsor from other projects
Demo

• Extension by convention
Demo

• Directory by convention
  – Match on name
Demo

• Services by convention
  – Scan all assemblies and register all concrete types against their interfaces
  – That’s probably going to register ‘too many’ services, but is that really a problem?
Demo

• Dispatchers by convention
Demo

- Services by convention in daemon
What more?

• Convention-based unit tests
  – Protocol specifications
    • Grensesnitt (NUnit)
  – Guard clauses
    • AutoFixture
Convention over Configuration

• Without conventions there is no consistency
• Conventions are implemented by a mechanism
• If you can describe the convention, you can implement it