

Continuous Integration

Building a Solution



Overview

- Create a simple application
- Discuss recommendations for solution layout
- Setup the continuous integration (CI) server
- Check application into source control
- Build the application on the CI server
- Discuss build failures notification mechanisms

Hello, Continuous Integration



Recommended Solution Layout

```
/src
  /app
    /HelloCI.Core
    /HelloCI.Web
  /test
    /HelloCI.Tests
/thirdparty
  /libs
    /MvcContrib
  /tools
    /NUnit
HelloCI.sln
```

The Software

- **IDE**
 - Visual Studio 2010
- **Version Control System**
 - Subversion | VisualSVN
- **Continuous Integration Software**
 - JetBrains TeamCity

Building on the CI Server



Build Failure Notifications

- **Tray Notifiers**
- **Email**
- **Instant Messages**
- **SMS**
- **Team Room Prop**
 - Spare Monitor
 - Lava Lamps
 - Traffic Lights
 - Sirens

Receiving a Build Failure Notification



Summary

- Created a simple application
- Discussed recommendations for solution layout
- Configured the CI server to build on check-in
- Discussed build failure notification mechanisms