What's new in Visual Studio Team System 2008

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Agenda

- **Improvements in 2008**
  - Team Foundation Server
    - Version Control improvements
    - Build improvements
    - New Web Access feature
  - Team Editions
    - Team Test improvements
    - Team Developer improvements
- **Improvements in SP1**
  - Version Control improvements
- **Added Value of Power tools**
  - Version Control Search
  - Team Foundation Server Monitor
  - Work Item Templates
- **Compatibility & Upgrade**
- **Conclusion**

Visual Studio Team System

New Version control Features

- **Offline Support**
  - If you are not connected and want to check out VS will go in offline mode
    - On connect changes are made against the server
- **Annotate**
  - This is based on the TFS Annotate Power Tool but includes numerous improvements.
- **Folder Diff**
  - Also based on the TFS Tree Diff Power Tool with numerous improvements.
- **Destroy**
  - The ability to permanently delete version control files/folders from TFS.
- **Get Latest On Checkout**
  - Configurable on the server for the whole team project
    - Can be altered by local developer for himself

Demo: New Version Control Features

Annotate
Offline
Folder Diff

demo

New Team Build Features

- **Out of the Box Continuous Integration (CI)**
  - Different triggers possible
    - Every Check-in
    - Accumulated change sets until build finished
      - Option to do no more builds within x minutes
  - No CI Related triggers
    - Time based (Schedule)
    - No trigger
- **Retention policy**
  - # builds to keep
- **New check-in policy for broken CI builds**
  - Preventing check-in while the CI build is broken.

New Team Build Features

- **Team Build 2008 introduces the notion of a build agent**
  - A build agent encapsulates a **computer name**, **port number**, **description**, **build directory**, and **status** (enabled, disabled, unreachable, or initializing).
  - Every build goes into the **queue** for a build agent, and queued builds have **priorities**,
    - Can be postponed (paused)
    - Can be removed from the queue.

Demo: New Team Build Features

Build Agents
CI Builds
New Object model

demo

New Web access Feature

- **Team plain acquired by Microsoft**
  - Now VSTSWA
- **Provides access to team foundation server using a website**
- **Currently available as Separate download**
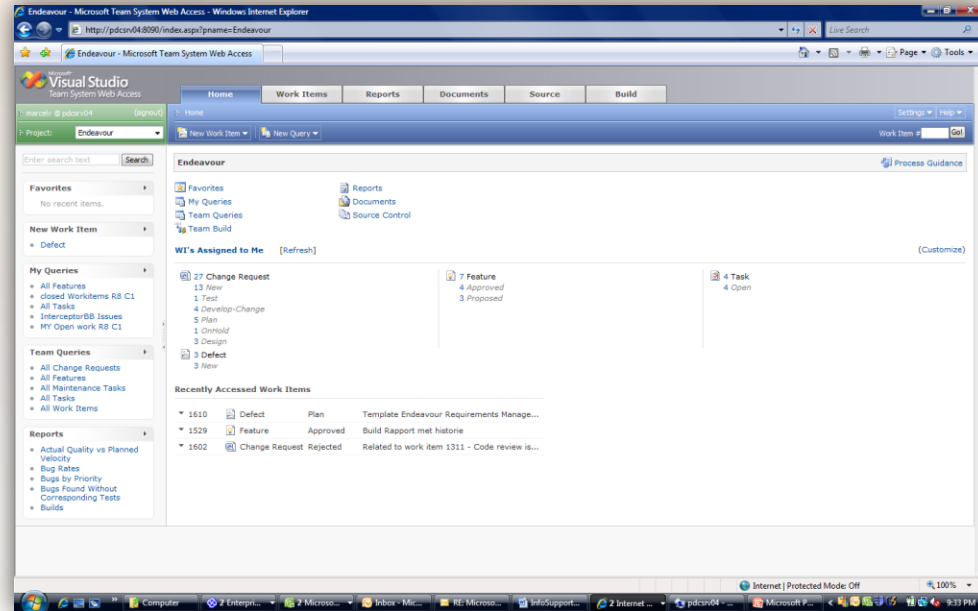- **Supports**
  - Workitem
    - viewing, editing, creation
  - Report viewing
  - Version control file viewer
    - No check-in/check-out!

Demo: Team system Web Access

VSTSWA
WIWA

demo

Team Test improvements

- **New Load test bench**
  - Shows main indicators in multiple graphs
  - New test mix options
- **Improved Record Playback web testing**
  - Ajax aware recording & playback
  - Reuse other recordings as components
  - Integration with performance session

Team Developer improvements

- **Unit testing is now in the professional SKU**
  - So no need for Team Developer edition anymore when only running unit tests
    - Does not include Coverage!
- **Added features for team developer**
  - Performance comparison reports
  - Hot path detection
    - For both memory and time reports

Team Developer improvements

- **Added Code Metrics Features**
  - Maintainability index
  - Cyclomatic complexity
  - Depth of Inheritance
  - Class coupling
  - Lines of Code
- **Improved Code Analysis Check-in Policy**
  - Ability to migrate team project policy to local solution
  - Also option to only add required policy and keeping local settings

Improvements in SP1

- **Version Control**
  - Drag & Drop
  - Version control of unbound files
  - Simpler working folder mappings
  - Check in date/time column
  - Local Path is now a link
  - Editable source location
- **Work Items**
  - Ribbon support for Office 2007
  - Easily email work items
- **Other areas**
  - SQL 2008 support
  - Team System Web Access links
  - # of projects per sever
  - Create Team Projects with a script

Demo: Team Dev & Test

Drag And Drop Support

Editable Path

Link and Map options

Checkout of unbound files

Emailing Work items

demo

Team System Power Tools

- **Process Template Editor**
- **TFS Server Manager tool**
- **TFS BPA support for Windows Server 2008**
- **Work Item Templates**

Demo: Power Tools 2008

Work Item Templates

Version Control Search

Team Foundation Server Monitor

demo

Compatibility TFS & VS.NET

- **The 2008 TFS client is compatible with a TFS 2005 server**
  - So using 2008 with TFS 2005 works
  - VS2005 &V1 Team Explorer works on 2008 TFS
    - You will only miss the features offered in the new UI, but can work on it as it where a V1 TFS server
    - Can not start an 2008 build
  - You will not be able to install 2008 Team Explorer in VS2005

Summary

- **2008 release contains a lot of new features and addresses adoption blockers & major feedback areas**

    – VSTS gives a strong foundation for your Application Lifecycle Management

Meet me at Sharing Visions
Topic: VSTS
22/5 diner | 23/5 lunch
17.15-18.00 | 12.00- 13.30
Location: ground Floor next to Auditorium
booth 2.09