



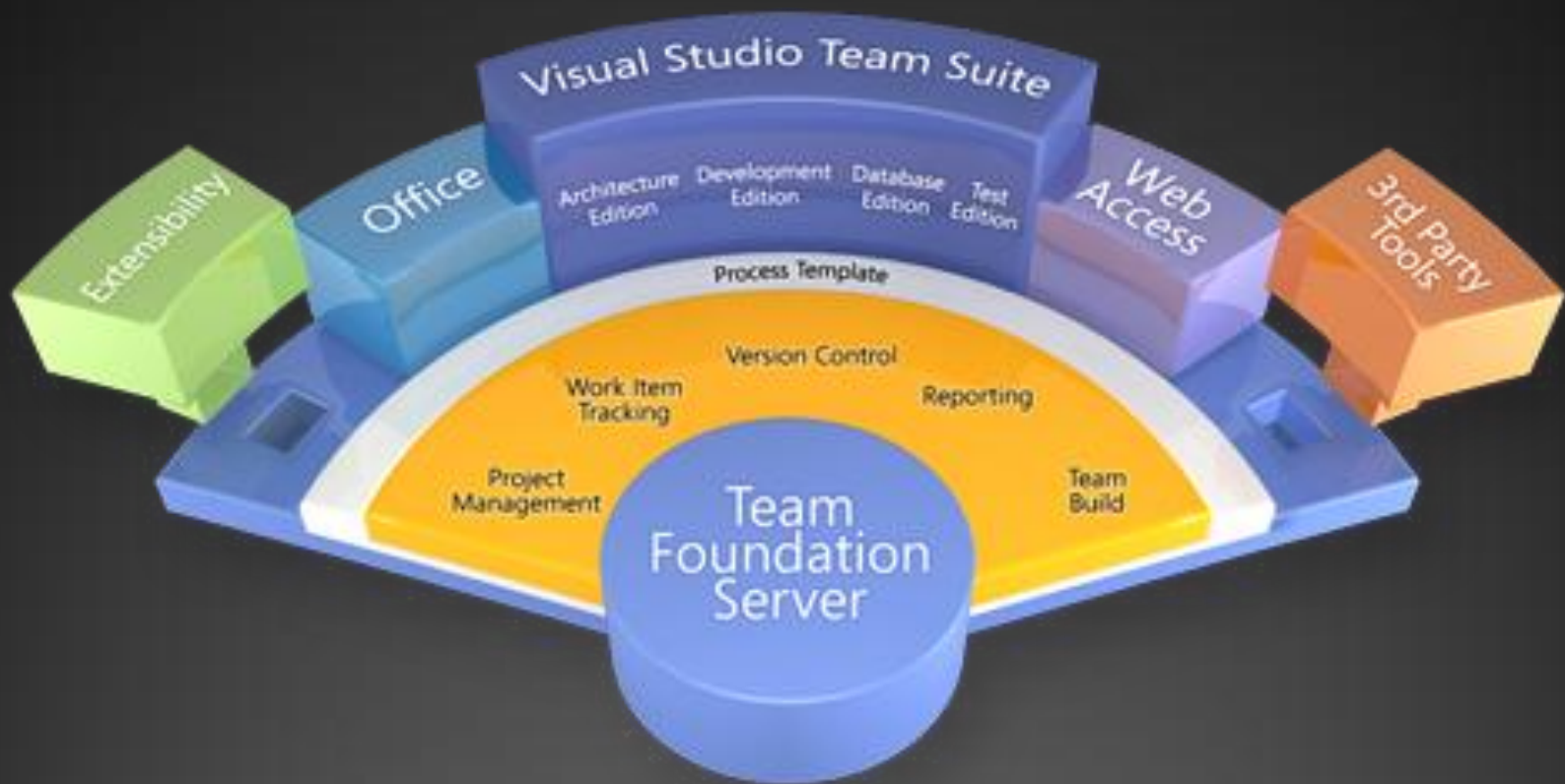
Softwareentwicklung mit
Team Foundation Server 2008

Manuel Naujoks (IB6)

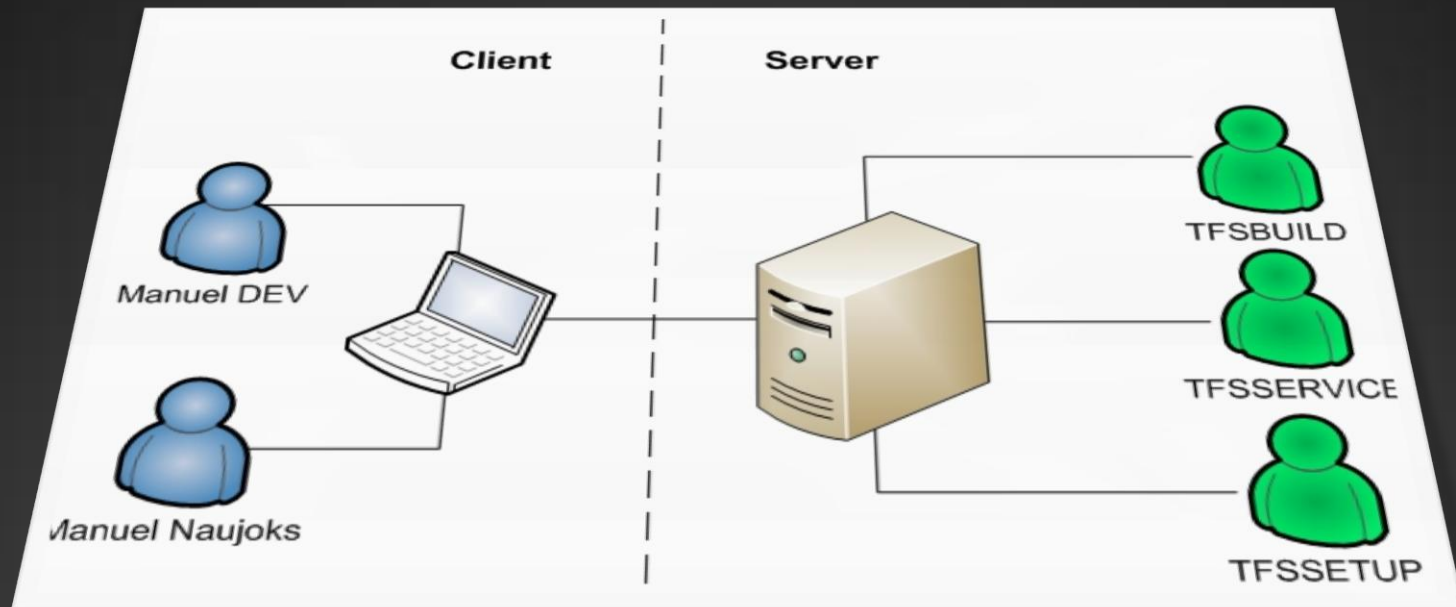
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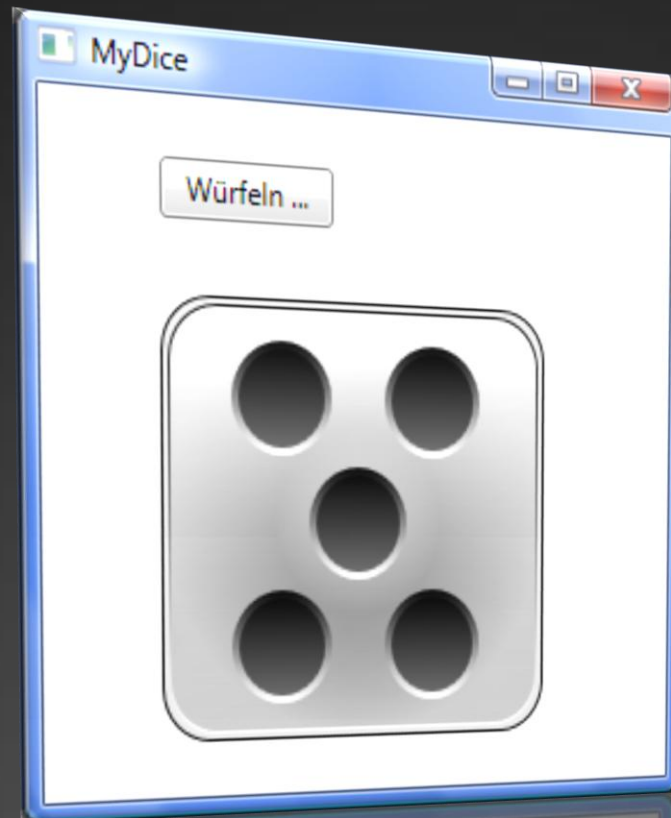
Visual Studio Team System



Projektumgebung



Szenario



Szenario/Team Projekt

- Personen
- Prozessmodell
- Areas
- Iterations
- Work Items
- Source Control
- Buildprozesse
- Berichtswesen

Szenario/Team Projekt

The screenshot displays the Microsoft Visual Studio interface. The main window, titled 'All Work Items [Results]', shows a table of 15 work items. The selected item is ID 44, 'Set up: Set Permissions'. Below the table, the details for this task are visible, including the title, discipline, area (AgileTest), and iteration (AgileTest\Iteration 0).

ID	Work Item Type	Rank	State	Assigned ...	Title
44	Task		Active	TFSSETUP	Set up: Set Permissions
45	Task		Active	TFSSETUP	Set up: Migration of Source Code
46	Task		Active	TFSSETUP	Set up: Migration of Work Items
47	Task		Active	TFSSETUP	Set up: Set Check-in Policies
48	Task		Active	TFSSETUP	Set up: Configure Build
49	Task		Active	TFSSETUP	Set up: Send Mail to Users for Installation and Getting started
50	Task		Active	TFSSETUP	Create Vision Statement
51	Task		Active	TFSSETUP	Set up: Create Project Description on Team Project Portal
52	Task		Active	TFSSETUP	Create Personas
53	Task		Active	TFSSETUP	Define Iteration Length
54	Task		Active	TFSSETUP	Create Test Approach Worksheet including Test Thresholds
55	Task		Active	TFSSETUP	Brainstorm and Prioritize Scenarios List
56	Task		Active	TFSSETUP	Brainstorm and Prioritize Quality of Service Requirements List
57	Task		Active	TFSSETUP	Set up: Create Project Structure
58	Task		Active	TFSSETUP	Create Iteration Plan

Task 44 : Set up: Set Permissions

Title: Set up: Set Permissions Discipline: [Dropdown]

Classification

Area: AgileTest [Dropdown]

Iteration: AgileTest\Iteration 0 [Dropdown]

The Team Explorer sidebar on the right shows a project structure for 'win-ild3mymfdr' with folders for 'My Favorites', 'AgileTest', 'Work Item Templates', 'Work Items', 'Team Queries', 'Documents', 'Reports', 'Builds', 'Team Members', 'Alerts', and 'Source Control'. Under 'Team Queries', there are several query icons like 'Active Bugs', 'All Issues', etc.

Szenario/Team Projekt

The image displays two overlapping software windows. The background window is Microsoft Excel, showing a spreadsheet with a list of tasks. The foreground window is Microsoft Project, showing a Gantt chart for a project named 'Manuel Naujoks'.

Excel Window (Background):

- File Name: Mappel - Microsoft Excel
- Tab: Tabellentools
- Worksheet: Manuel DEV
- Selected Cell: E19
- Table Data:

	A	B
7	48	Task
8	49	Task
9	50	Task
10	51	Task
11	52	Task
12	53	Task
13	54	Task
14	55	Task
15	56	Task
16	57	Task
17	58	Task
18	60	Quality of Service Requirement
19	59	Scenario
20	61	Task
21	62	Task
22	63	Task
23	64	Task
24	65	Task

Microsoft Project Window (Foreground):

- File Name: Microsoft Project - Projekt1
- Project Name: Manuel Naujoks
- Task List:

ID	Work Item ID	Title	Dauer	Anfang	Ende	Vorgänger	Work Item Type
7	50	Create Vision Stater	0 Tage?	Don 1/15/09	Don 1/15/09		Task
8	51	Set up: Create Proje	0 Tage?	Don 1/15/09	Don 1/15/09		Task
9	52	Create Personas	0 Tage?	Don 1/15/09	Don 1/15/09		Task
10	53	Define Iteration Leng	0 Tage?	Don 1/15/09	Don 1/15/09		Task
11	54	Create Test Approa	0 Tage?	Don 1/15/09	Don 1/15/09		Task
12	55	Brainstorm and Prior	0 Tage?	Don 1/15/09	Don 1/15/09		Task
13	56	Brainstorm and Prior	0 Tage?	Don 1/15/09	Don 1/15/09		Task
14	57	Set up: Create Proje	0 Tage?	Don 1/15/09	Don 1/15/09		Task
15	58	Create Iteration Plan	0 Tage?	Don 1/15/09	Don 1/15/09	14 Task	Task
16	65	VS Struktur anlegen	0 Tage?	Don 1/15/09	Don 1/15/09	15 Task	Task
17	64	Tests schreiben	1 Tag	Don 1/15/09	Don 1/15/09	16 Task	Task
18	59	würfeln	3 Tage?	Fre 1/16/09	Die 1/20/09	17 Scenario	Scenario
19	62	Würfelvorgang ir	1 Tag	Fre 1/16/09	Fre 1/16/09		Task
20	61	GUI designen	2 Tage	Mon 1/19/09	Die 1/20/09	19 Task	Task
21	63	3D Würfel	2 Tage	Fre 1/16/09	Mon 1/19/09		Task
22	60	Jeder dritte Wurf	1 Tag?	Die 1/20/09	Die 1/20/09	21 Quality of Ser	Quality of Service Requirement

The Gantt chart shows a sequence of tasks for 'Manuel Naujoks' starting on 1/15/09. Key tasks include 'würfeln' (Scenario, 3 days) and 'Tests schreiben' (Task, 1 day). The chart also shows dependencies between tasks and resource assignments.

Szenario/Team Projekt

Project: AgileTest Server: win-1Ind3mymfdr Query: [None]

ID	Rank	Work Item Type	State	Title	Area Path	Iteration Path	Description
59	1	Scenario	Active	Würfeln	\	\\Version1	Der Benutzer würfelt eine Zahl zwischen 1 und 6.
60	1	QoS Requirement	Active	Jeder dritte Wurf 6	\\BusinessLogik	\\Version1	Wenn der Benutzer dreimal würfelt muss der Würfel mindestens einmal 6 anzeigen.
61	1	Task	Active	GUI designen	\\UserInterface	\\Version1	Oberfläche mit Würfelanzeige und Button designen.
62	1	Task	Active	Würfelvorgang implementieren	\\BusinessLogik	\\Version1	Ergebnisbestimmung des Würfelvorgangs.
63	1	Task	Active	3D Würfel	\\UserInterface	\\Version1	Der Würfel soll sich drehen in 3D.
64	1	Task	Active	Tests schreiben	\\Testing	\\Version1	Testfälle der Programm Logik schreiben.
65	1	Task	Active	VS Struktur anlegen	\	\	Visual Studio Solution und Struktur als Basis für die Entwicklung anlegen.

Szenario/Source Control

- Visual Studio Integration
- Check-In Policies
- Shelving
- Branching
- Work Item Bezug
- Berichtswesen

Szenario/Source Control

The screenshot displays the Microsoft Visual Studio interface for a project named 'MyDice'. The main window is titled 'MyDice - Microsoft Visual Studio' and shows the 'Test List Editor' and 'Pending Changes' windows.

Test List Editor: This window shows a list of tests with columns for 'Test Name', 'Project', and 'State'. The tests listed are:

Test Name	Project	State
GetRandomResultTest	MyDiceTestProject	Active
DiceConstructorTest	MyDiceTestProject	Active
RollTest	MyDiceTestProject	Active

Pending Changes - Work Items (AgileTest/Team Queries/My Work Items): This window shows a list of work items with columns for 'Work Item ...', 'ID', 'Title', 'State', and 'Check-in Action'. The work items listed are:

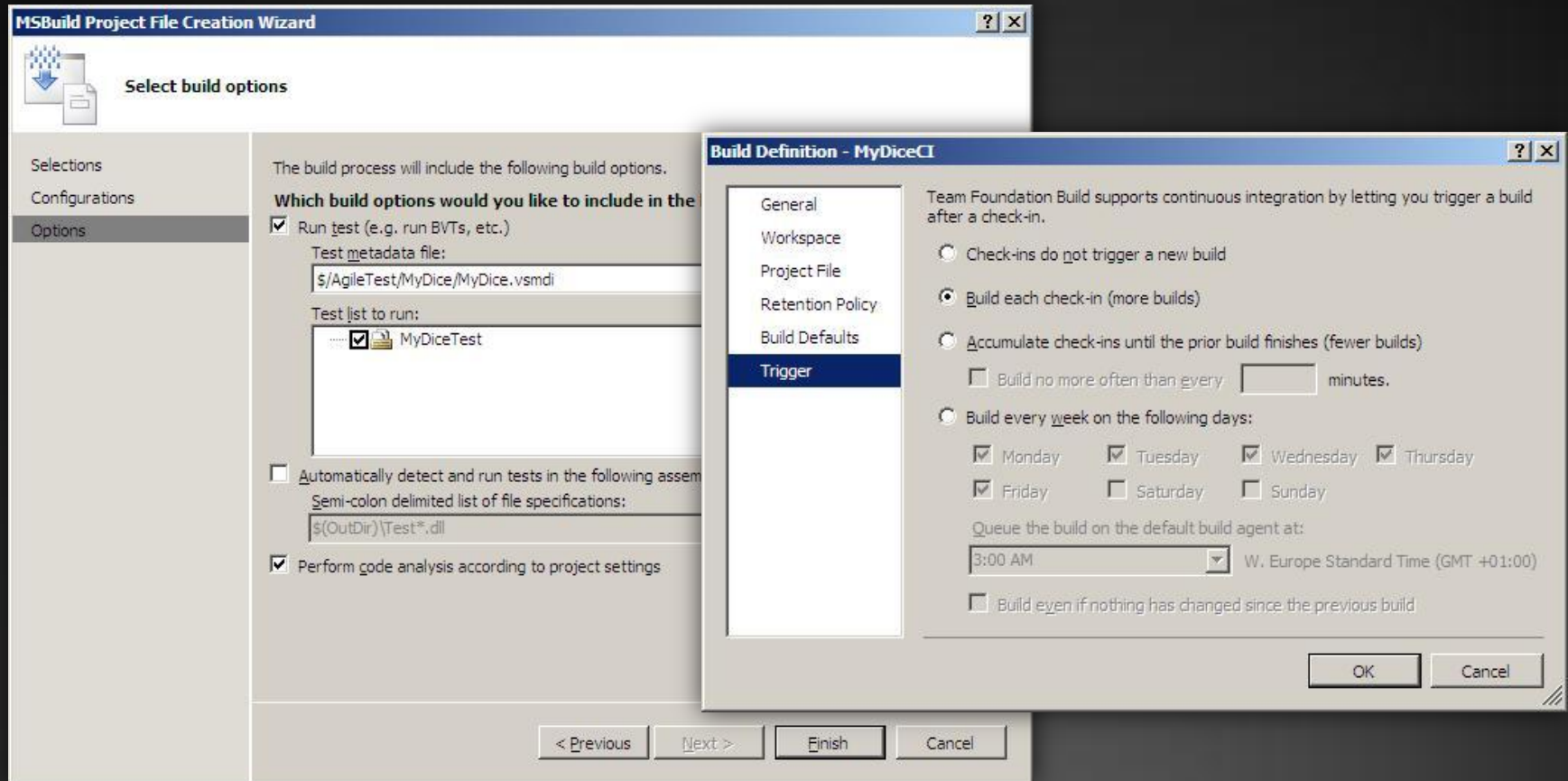
Work Item ...	ID	Title	State	Check-in Action
Quality of S...	60	Jeder dritte Wurf 6	Active	
Scenario	59	würfeln	Active	
Task	61	GUI designen	Active	
Task	62	Würfelvorgang implementieren	Active	
Task	63	3D Würfel	Active	
<input checked="" type="checkbox"/> Task	64	Tests schreiben	Active	Resolve

The Solution Explorer on the right shows the project structure, including the 'MyDice' project and its sub-projects like 'MyDiceTestProject'.

Szenario/Buildsystem

- Continuous Integration
- Build Agents
- Unit Testing
- Codeanalyse
- Buildreport
- Work Item Bezug
- Berichtswesen

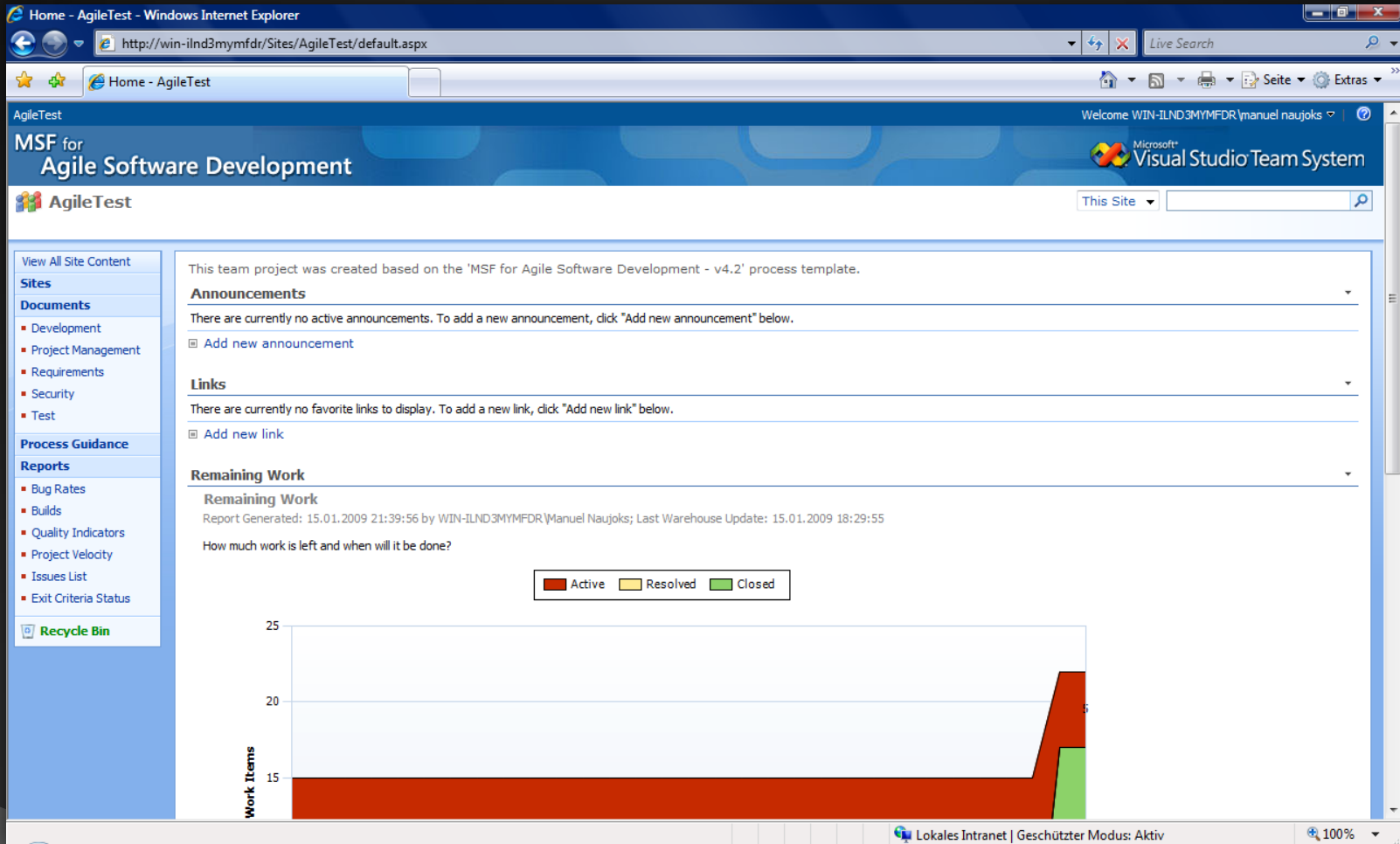
Szenario/Buildsystem



Szenario/Team Portal

- SharePoint Portal
- Diskussionsforen / FAQ
- „Schwarzes Brett“
- Kalender
- Berichtswesen
- Process Guidance
- Dokumentenablage

Szenario/Team Portal



Prozessvorlagen

- Vorinstalliert:
 - MSF for Agile Software Development – v4.2
 - MSF for CMMI Process Improvement – v4.2
- Installierbar:
 - Scrum (verschiedene Varianten)
 - RUP
 - ...

MSF (Microsoft Solutions Framework)
CMMI (Capability Maturity Model Integration)
RUP (Rational Unified Process)

Prozessvorlagen/MSF for Agile

- Kleine und kurze Projekte
- Work Item Typen
 - Risk
 - Quality of Service Requirement
 - Scenario
 - Bug
 - Task
- Dokumente für kundennahe Planung

Prozessvorlagen/MSF for CMMI

- Große und lange Projekte
- Work Item Typen
 - Requirement
 - Bug
 - Risk
 - Task
 - Change Request
 - Issue
 - Review
- Umfangreiche Dokumente für Formalität

Anpassbarkeit

- Process Template Editor

The screenshot shows the Microsoft Visual Studio interface for editing a process template. The main window displays the 'MSF for Agile Software Development - v4.2' template. The left sidebar shows a tree view of the template structure, including 'Methodology', 'Work Item Tracking', 'Work Item Type Definitions', 'Areas & Iterations', 'Groups & Permissions', 'Source Control', 'Portal', and 'Reports'. The main area is divided into two panes: 'Methodology Detail' and 'Plugins'.

Methodology Detail

Name: MSF for Agile Software Development - v4.2

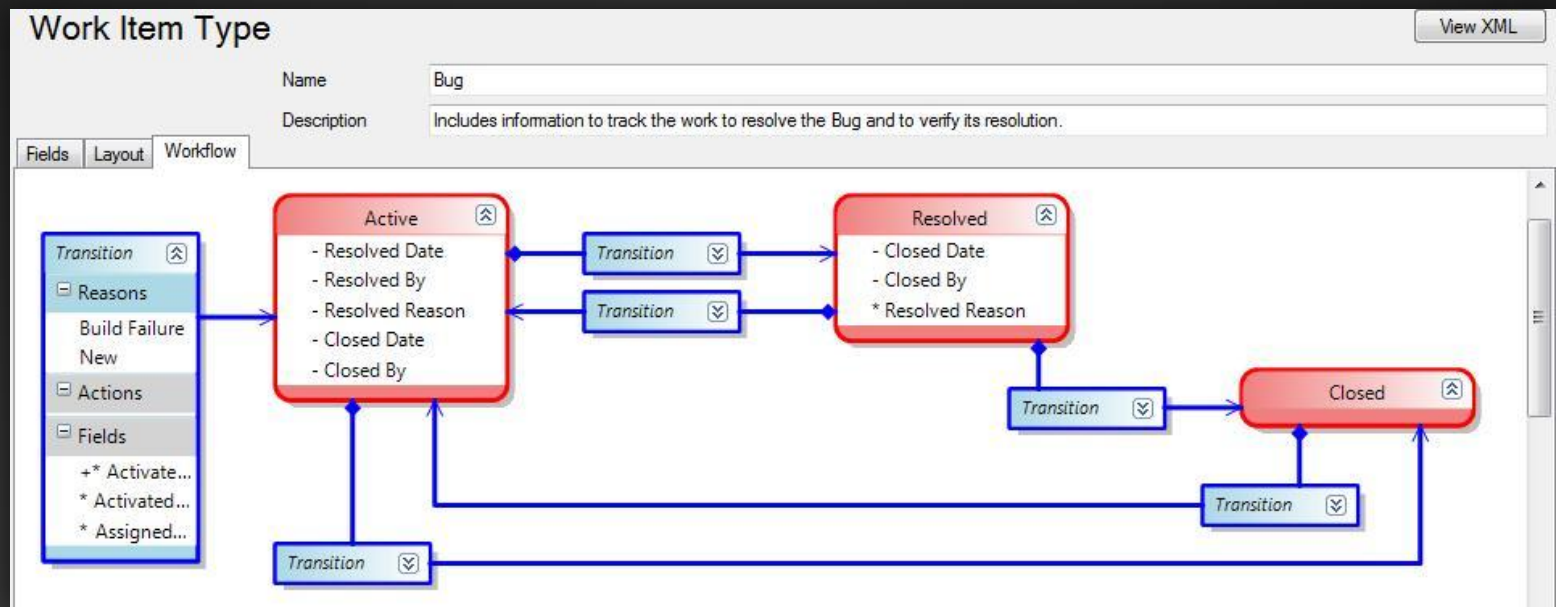
Description: Choose the MSF for Agile Software Development process for projects with short lifecycles and delivery-oriented teams who can work without lots of intermediate documentation. MSF for Agile Software Development is an iterative, scenario-driven development process for building .NET, Web, Web Service, and other object-oriented applications. It directly incorporates practices for handling quality of service requirements such as performance and security, utilizes a context-driven approach (context-based) to determine how to operate the project, explicitly calls out project risk as a success criteria for the optimal delivery of software, and incorporates all of

Plugins

Name	Wizard Page
Microsoft.ProjectCreationWizard.Classification	<input type="checkbox"/>
Microsoft.ProjectCreationWizard.Reporting	<input type="checkbox"/>
Microsoft.ProjectCreationWizard.Portal	<input checked="" type="checkbox"/>
Microsoft.ProjectCreationWizard.Groups	<input type="checkbox"/>
Microsoft.ProjectCreationWizard.WorkItemTracking	<input type="checkbox"/>
Microsoft.ProjectCreationWizard.VersionControl	<input checked="" type="checkbox"/>

Anpassbarkeit

- Work Item Template Editor



Zusammenfassung

- Unterstützung für Teams mit Visual Studio
- Unterstützung von Prozessmodellen
- Anpassbarkeit

Ersetzt keine Meetings und Planungen!

TFS ist eine Plattform für Entwicklungen!

Vielen Dank für die
Aufmerksamkeit

Mehr Informationen

- Visual Studio Team System 2008

<http://msdn.microsoft.com/de-de/vsts2008/products/bb964615.aspx>

- patterns & practices Team Development with TFS

<http://www.codeplex.com/TFSGuide>

- Team Foundation Server Power Tools

<http://msdn.microsoft.com/en-us/teamsystem/bb980963.aspx>

- Teamprise Plug-in for Eclipse

<http://www.teamprise.com/products/plugin/>

- Team Foundation Server SDK

<http://msdn.microsoft.com/en-us/library/bb130146.aspx>