

5.– 8. September 2011
in Nürnberg



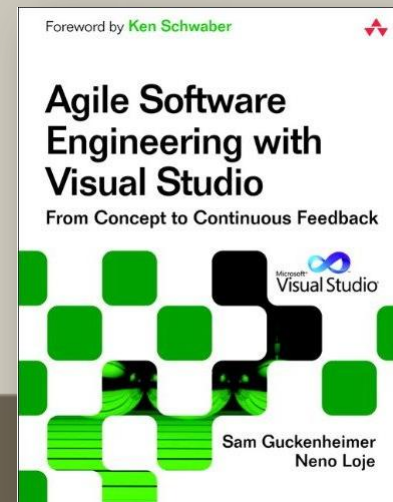
Herbstcampus

Wissenstransfer
par excellence

Vertrauen ist gut, Kontrolle ist besser Hochqualitative Produkte mit VS & TFS 2010 erstellen

Beginn: 14:00

Basierend auf:



Referent: Neno Loje

Freier Berater & MVP für Visual Studio ALM, TFS

www.teamsystempro.de

Professor warnt vor Power-Point-Präsentation

Kategorie: Startseite

Ergebnis einer Studie von Prof. Dr. Wolfgang Nieke



Prof. Dr. Wolfgang Nieke

Alles so schön bunt hier: Wenn heutzutage Vorträge gehalten werden, dann flimmern Zahlen und Fakten nur so über die Leinwand. Dank der Power-Point-Präsentation wird das gesprochene Wort zum multimedialen Ereignis. Doch was das Auge erfreut, ist nicht immer gut fürs Denken: Rostocker Wissenschaftler unter Leitung von Professor Wolfgang Nieke, haben jetzt herausgefunden, dass die so weit verbreitete Art, seine Vorträge zu untermalen, die schlechteste aller möglichen Varianten ist, weil bei den Zuhörern im Vergleich am wenigsten im Gedächtnis bleibt. Das Arbeitsgedächtnis wird unnötig belastet, denn es hat laut Rostocker Wissenschaftler, „eine beschränkte Kapazität“. Den Lernenden gehen so viele wichtige Informationen verloren. Am besten – und da ist die Überraschung perfekt – schnitt die gute alte Präsentation mit Folie und Overhead-Projektor ab. Das hat die beste Wirkung auf den Lerneffekt. Auf Platz 2 kommt der Vortrag.

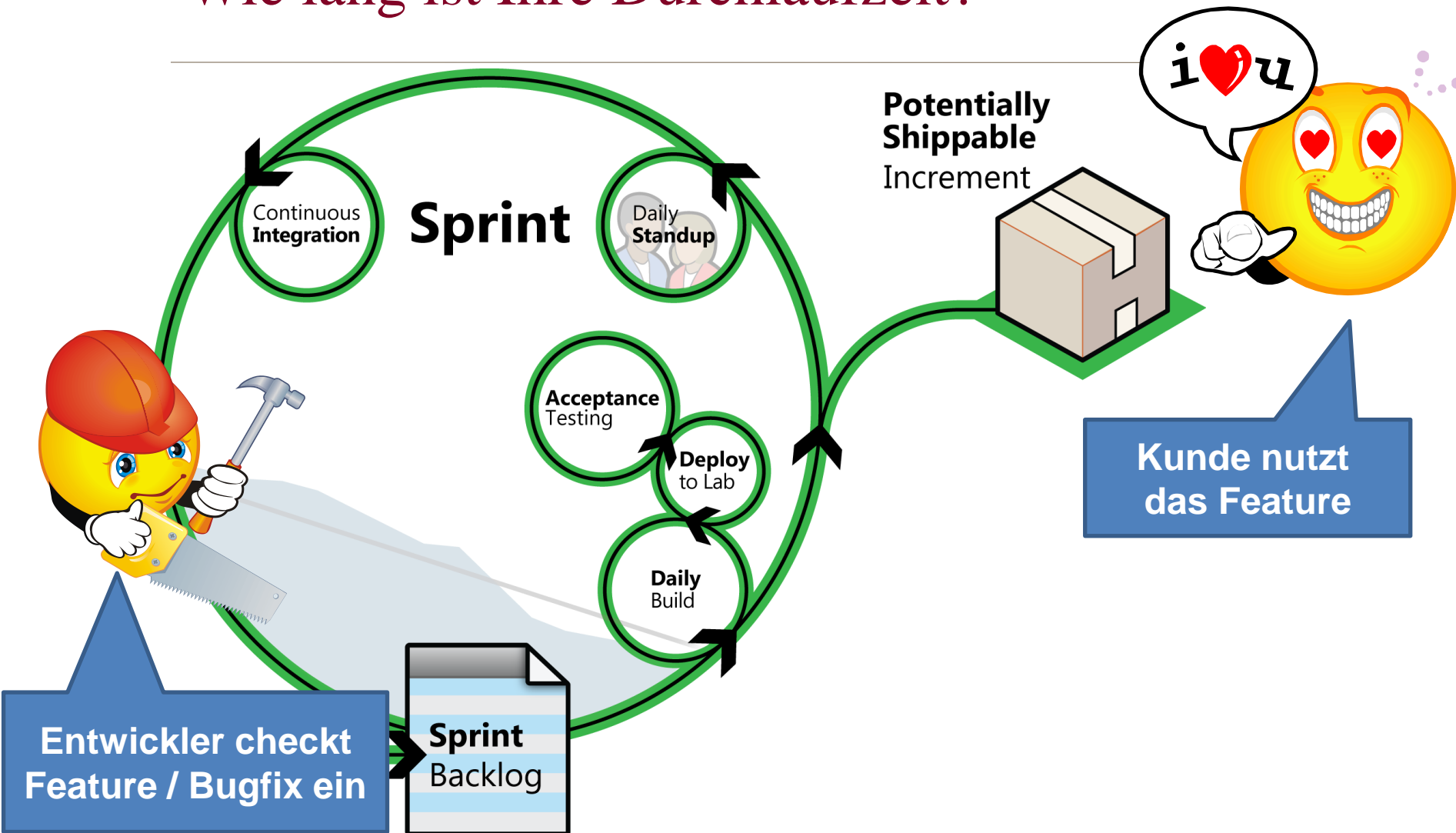
Alte und herkömmliche Methoden sind also nicht immer die schlechtesten. Obwohl es die Präsentation per Power Point nun auch schon seit rund 30 Jahren gibt.

Das Ergebnis der Studie, die Rostocker Studenten, sowohl Anhänger als auch Skeptiker von Power Point, über mehrere Jahre durchführten, ist auch für Prof. Nieke überraschend.

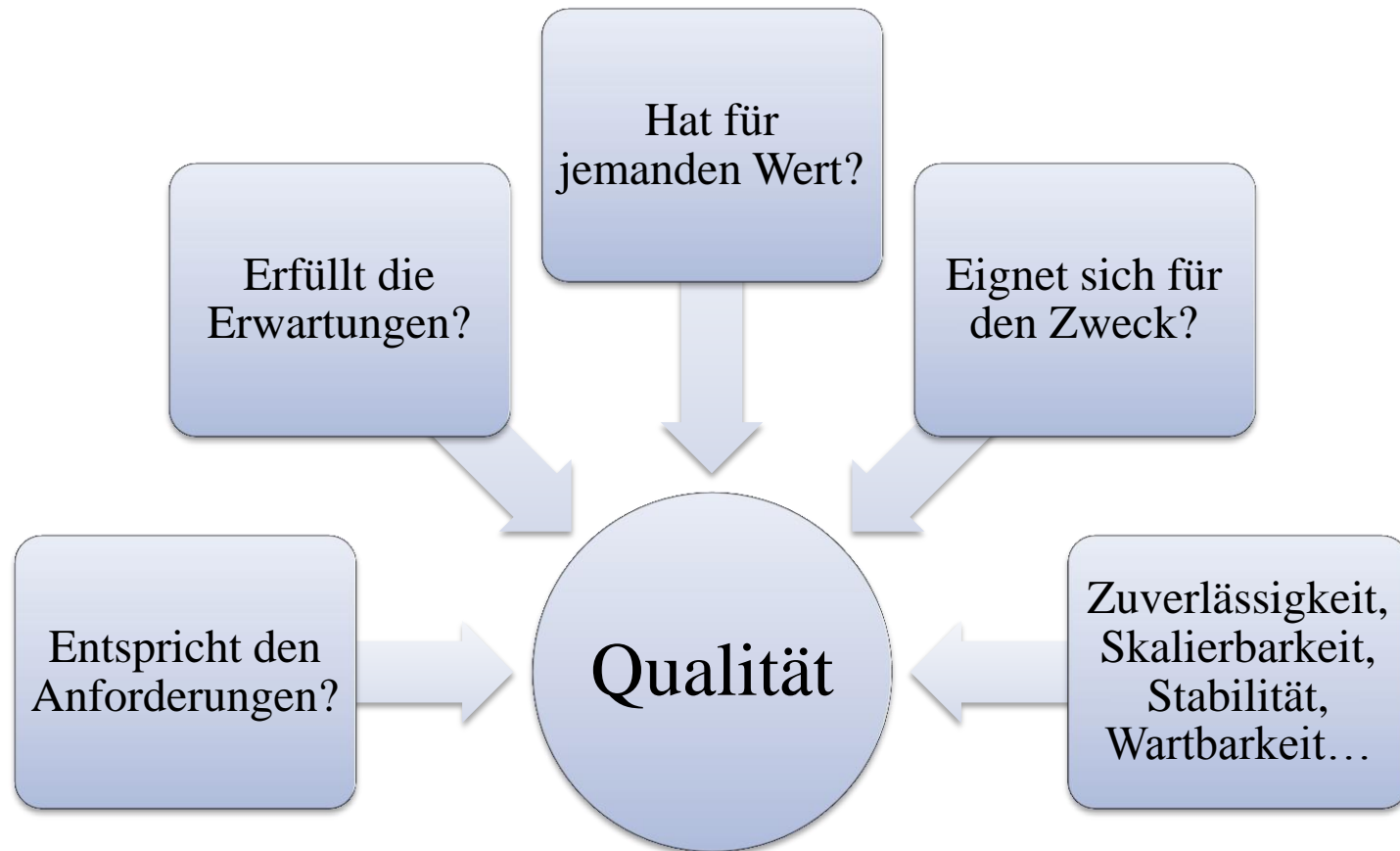
Um sicher zu sein, hat er die Studie zweimal durchführen lassen. Das Ergebnis blieb dasselbe. Die Erkenntnisse sollen nun mit einer noch größeren Studie untermauert werden, bevor eine wissenschaftliche Veröffentlichung erfolgen wird. Bislang gibt es kaum Untersuchungen zum Lernerfolg mit Power Point.

„Vorsicht also mit Power Point“, sagt Professor Nieke, Gründungsprofessor für Allgemeine Pädagogik an der Uni Rostock. Er rät nun, insbesondere an Universitäten und Gymnasien zum „sorgsamem Umgang mit Animations-Elementen bei Lehrveranstaltungen“. Vor dem Hintergrund, dass immer mehr an Wissen vermittelt wird, sollte auf überflüssige Elemente verzichtet werden. „Dadurch wird die Aufmerksamkeit vom Inhalt auf die Form umgelenkt“.

Wie lang ist Ihre Durchlaufzeit?



Qualität



"Done" definieren

- Explizite "Definition of Done" (DoD)
- Konstante Qualität
- Basis für Schätzungen
- Unternehmensweit
- Messbar
- Automatisiert

DEMO

Automated Build

- General
- Trigger
- Workspace
- Build Defaults
- Process
- Retention Policy

Team Foundation Build uses a build process template defined by a Windows Workflow (XAML) file. The behavior of this template can be customized by setting the build process parameters provided by the selected template.

Build process template: ▼ Show details

Default Template


Build process parameters:

▲ 1. Required	
▶ Items to Build	Build \$/Calculator/Main/WinCalc/WinCalc.sln with default
▲ 2. Basic	
▶ Automated Tests	Run tests in assemblies matching ***test*.dll using settin
Build Number Format	\$(BuildDefinitionName)_\$(Date:yyyyMMdd)\$(Rev:.r)
Clean Workspace	All
Logging Verbosity	Normal
Perform Code Analysis	AsConfigured
▶ Source And Symbol Server Settings	Index Sources
▶ 3. Advanced	


1. Required

Automated Build (II)

Build WinCalc_Main_20100807.42

 WinCalc_Main_20100807.42 - Build succeeded - Ready for Initial Test

[View Summary](#) | [View Log](#) - [Open Drop Folder](#) | [Retain Indefinitely](#) | [Delete Build](#)

 neno triggered WinCalc_Main (Calculator) for changeset 1738
Ran for 2,2 minutes (H22BUILD - Controller), completed 183 days ago

Latest Activity

Build last modified by neno -1 seconds ago.

Summary

Debug | Mixed Platforms

0 error(s), 0 warning(s)

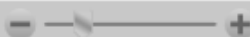
- ▼ 1 projects/solutions compiled
 - \$/Calculator/Main/WinCalc/WinCalc.sln - 0 error(s), 0 warning(s), [View Log File](#)
- ▼ 1 test run(s) completed - 100% average pass rate (100% total pass rate)
 - 3/3 test(s) passed, 0 failed, 0 inconclusive, [View Test Results](#)
- ▼ 2 binaries instrumented - 89% of all code blocks covered
 - WinCalc.exe - 93 blocks covered, 8 blocks not covered
 - WpfCalc.exe - 12 blocks covered, 5 blocks not covered

Associated Changesets

[Changeset 1738](#), Checked in by neno
Changed host settings

Impacted Tests

No tests were impacted



Continuous Integration

General

Trigger

Workspace

Build Defaults

Process

Retention Policy

Select one of the following check-in triggers:

Manual - Check-ins do not trigger a new build

Continuous Integration - Build each check-in

Rolling builds - accumulate check-ins until the prior build finishes

Build no more often than every minutes.

Gated Check-in - accept check-ins only if the submitted changes merge and build successfully

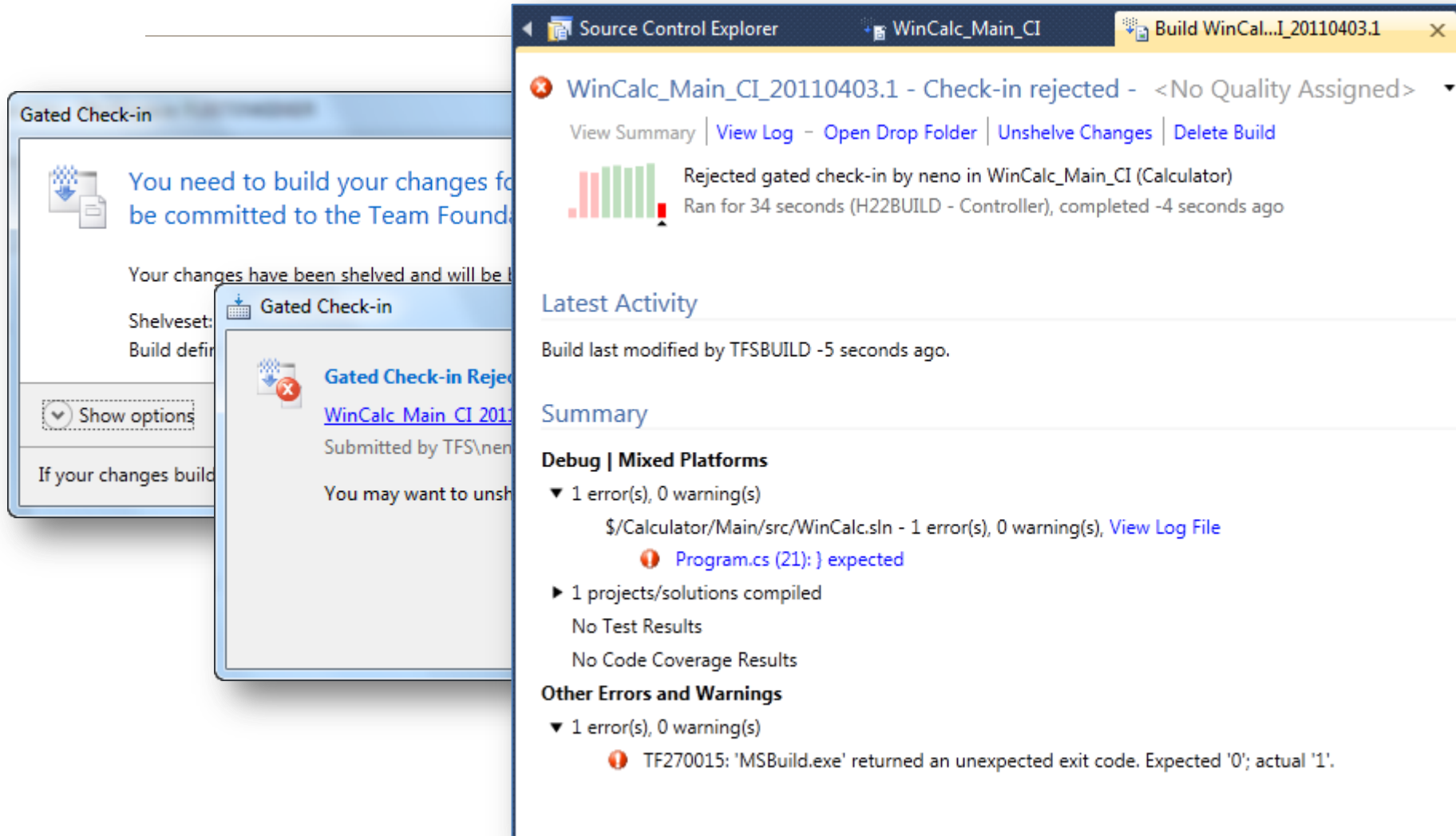
Schedule - build every week on the following days

Montag Dienstag Mittwoch Donnerstag Freitag Samstag Sonntag

Queue the build on the build controller at:

Build even if nothing has changed since the previous build

Continuous Integration (II) – Gated Check-In



The image shows a screenshot of Visual Studio with two overlapping windows illustrating a gated check-in process.

Gated Check-in Dialog (Left):

- Header: Gated Check-in
- Message: "You need to build your changes for... be committed to the Team Found..."
- Status: "Your changes have been shelved and will be..."
- Shelveset: [Shelveset Name]
- Build definition: [Build Definition Name]
- Buttons: "Show options", "If your changes build..."

Build Explorer Window (Right):

- Tab: Build WinCal...I_20110403.1
- Build Name: WinCalc_Main_CI_20110403.1 - Check-in rejected - <No Quality Assigned>
- Actions: View Summary | View Log - Open Drop Folder | Unshelve Changes | Delete Build
- Message: Rejected gated check-in by neno in WinCalc_Main_CI (Calculator)
- Duration: Ran for 34 seconds (H22BUILD - Controller), completed -4 seconds ago
- Latest Activity: Build last modified by TFSBUILD -5 seconds ago.
- Summary:
 - Debug | Mixed Platforms**
 - 1 error(s), 0 warning(s)
 - \$/Calculator/Main/src/WinCalc.sln - 1 error(s), 0 warning(s), View Log File
 - Program.cs (21:) expected
 - 1 projects/solutions compiled
 - No Test Results
 - No Code Coverage Results
 - Other Errors and Warnings**
 - 1 error(s), 0 warning(s)
 - TF270015: 'MSBuild.exe' returned an unexpected exit code. Expected '0'; actual '1'.

Lab Management – Workflow

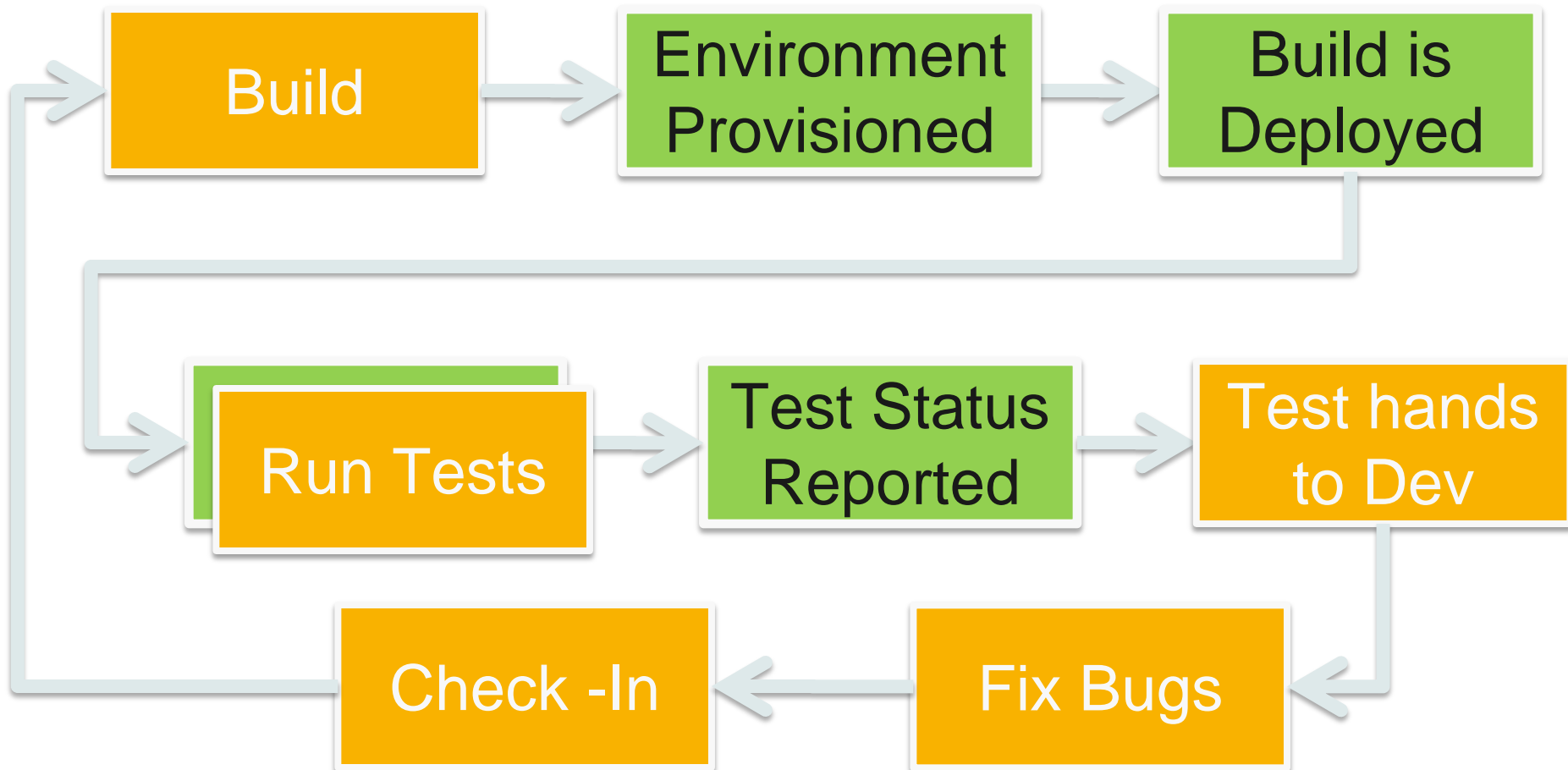


Illustration: Brian Keller, Microsoft Corp.

The screenshot displays the Lab Center application window. The main menu includes 'Lab Center', 'Lab', 'Test Settings', 'Library', and 'Controllers'. The 'Environments' section is active, showing a list of virtual machines and their status.

Environments List:

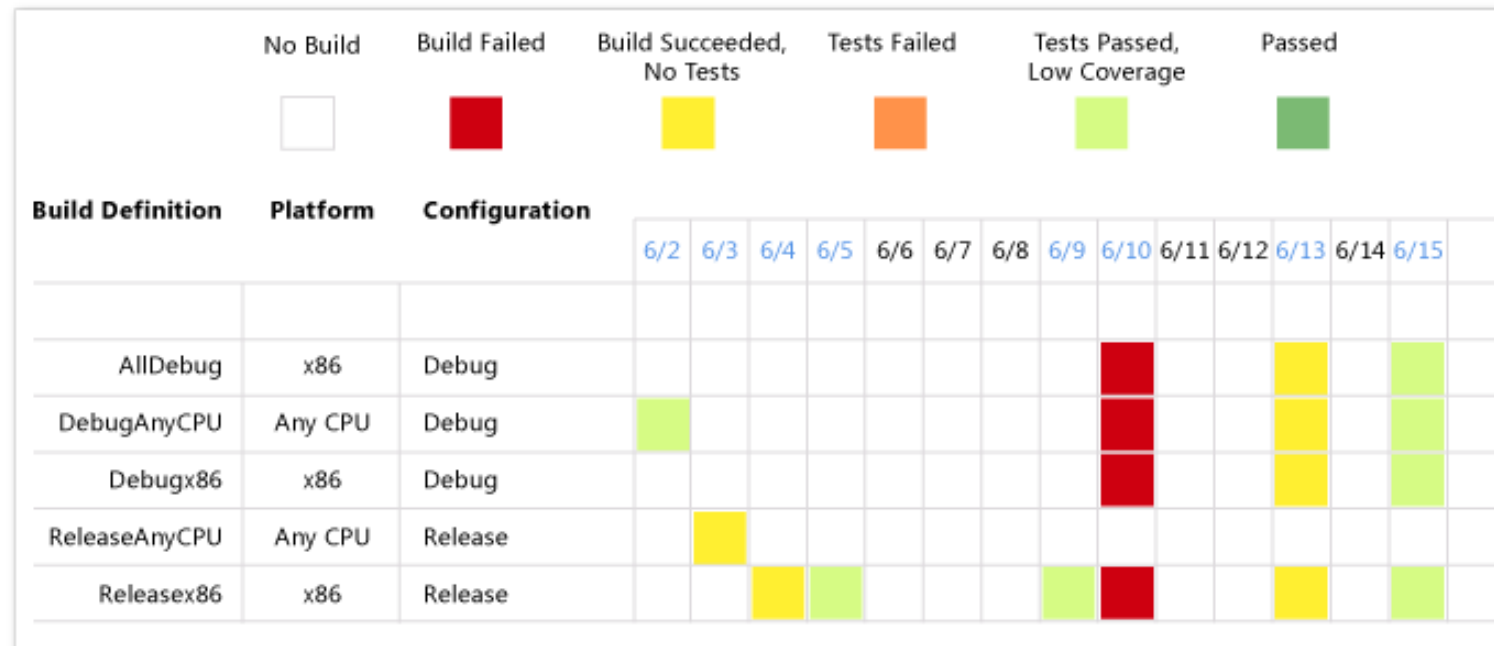
Name	Status	In use	Project host group	Owner	Type
Type: Virtual (12)					
CTI_Monday_LE_Ctrl	Running	Yes	VSTTCTIHostGroup1	Rishi Kumar	Virtu
CTI_Monday_LE_M1	Running	Yes	VSTTCTIHostGroup1	Rishi Kumar	Virtu
CTI_Monday_LE_M2	Running	Yes	VSTTCTIHostGroup1	Rishi Kumar	Virtu
CTI_Monday_LE_M3	Running	Yes	VSTTCTIHostGroup1	Rishi Kumar	Virtu
CTI_Monday_LE_M4	Running	Yes	VSTTCTIHostGroup1	Rishi Kumar	Virtu
CTI_Monday_LE_M5	Running	Yes	VSTTCTIHostGroup1	Rishi Kumar	Virtu
CTI_Monday_LE_M6	Running	Yes	VSTTCTIHostGroup1	Rishi Kumar	Virtu
dbhat_le2	Running	No	All Hosts_IDCVSTTHostGroup1	Dinesh Bhat	Virtu
dbhat-LE1	Running	Yes	All Hosts_IDCVSTTHostGroup1	Dinesh Bhat	Virtu
rikumar_xp_b2	Running	No	All Hosts_IDCVSTTHostGroup1	Rishi Kumar	Virtu
rikumar_xp_demo	Off	No	All Hosts_IDCVSTTHostGroup1	Rishi Kumar	Virtu
VSP_VMs	Running	Yes	REDVSTTHostGroup1	Rishi Kumar	Virtu

Environment Details (Right Panel):

- Environment:** .. **Marked 'In Use'**
- Description:**
- Capabilities:** Testing <Not configured>, Workflow <Not configured>
- Store in library**
- M1_x86_Win7Ent_E... Desktop Client Running**
- M2_x86_Win7Ent_E... Desktop Client Running**

Illustrat

Build Success Over Time Report



Build Summary Report

Build Summary

Helps you determine the status of each build. Shows a list of builds with test results, test coverage, code churn, and quality notes.

Related Reports

- [Build Quality Indicators](#)
- [Build Success Over Time](#)

■ Passed ■ Covered
■ Failed ■ Not Covered ■ Code Churn

Date	Build Name	Platform	Configuration	Progress	Build Quality	% Tests Passed	% Code Coverage	Code Churn (lines)
06.03.2011 04:02	WinCalc_Main_Daily_2011.03.06.3	Any CPU	Release	Succeeded		100%	4%	722
06.03.2011 03:52	WinCalc_Main_Daily_2011.03.06.2	Any CPU	Release	Failed		33%	4%	722
06.03.2011 03:47	WinCalc_Main_Daily_2011.03.06.1	Any CPU	Release	Failed				722
05.03.2011 05:30	WinCalc_Main_Daily_2011.03.05.1	Any CPU	Release	Failed				722
04.03.2011 05:30	WinCalc_Main_Daily_2011.03.04.1	Any CPU	Release	Failed				722
03.03.2011 23:39	WinCalc_Main_Daily_2011.03.03.4	Any CPU	Release	Succeeded		100%	4%	
03.03.2011 23:02	WinCalc_Main_Daily_2011.03.03.3	Any CPU	Release	Succeeded		100%	4%	
03.03.2011 22:56	WinCalc_Main_Daily_2011.03.03.2	Any CPU	Release	Succeeded		100%	4%	31148
03.03.2011 05:30	WinCalc_Main_Daily_2011.03.03.1	Any CPU	Release	Succeeded		100%	4%	
02.03.2011 05:30	WinCalc_Main_Daily_2011.03.02.1	Any CPU	Release	Succeeded		100%	4%	
01.03.2011 05:30	WinCalc_Main_Daily_2011.03.01.1	Any CPU	Release	Succeeded		100%	4%	
28.02.2011 05:30	WinCalc_Main_Daily_2011.02.28.1	Any CPU	Release	Succeeded		100%	4%	

Questions This Report Helps Answer

- Which builds succeeded?
- Which builds have a significant number of changes to the code?
- Which builds are ready to install?
- How much of the code was executed by the tests?

[How to Use This Report](#)

Parameter Values

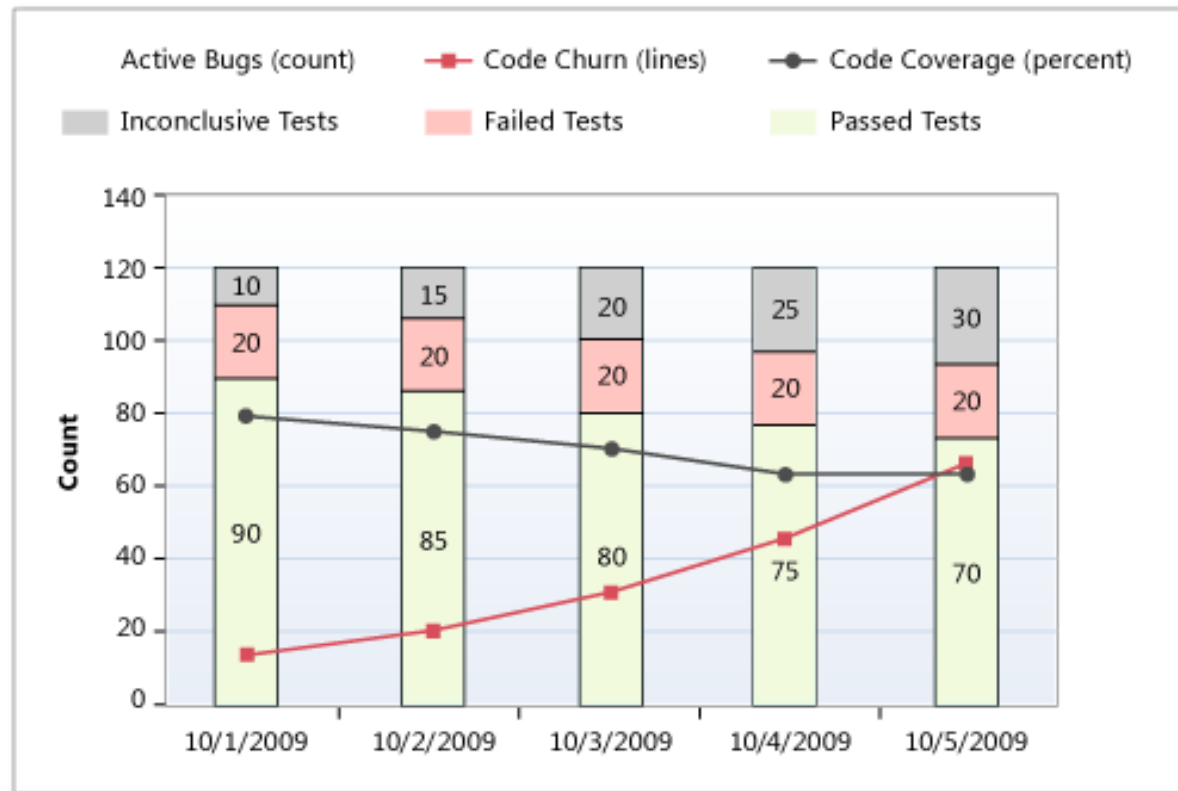
From (Date): 27.02.2011
 To (Date): 06.03.2011
 Platform: All (No Filter)
 Configuration: All (No Filter)
 Build Definition: WinCalc_Main_Daily
 Build Quality: All (No Filter)
 Progress: All (No Filter)

Generated: 06.03.2011 04:15:45

By: TFS\veno

Data Updated: 06.03.2011 03:54:08

Build Quality Indicators



Checkliste zu mehr Qualität

1. Alles unter Versionsverwaltung
2. Automatischer Build
3. Continuous Integration (Gated Check-In)
4. Automatische Tests
5. Automatisches Deployment
6. ...

Nächste Schritte

- ✓ Qualität definieren (= **Ihre** Definition of Done)
- ✓ Automatisieren der Prüfung Ihrer Definition of Done
- ✓ Messen der Durchlaufzeit
 - Dauer eines Features (von *Anfragt* bis *Ausgeliefert*)
 - Dauer eines Bugfixs (von *Gemeldet* bis *Ausgeliefert*)

Weitere Informationen

- > Enabling Code Coverage
<http://www.codewrecks.com/blog/index.php/2010/06/14/running-code-coverage-in-tfs2010-builds/>
- > Using Code Analysis Rule Sets
<http://blogs.msdn.com/b/habibh/archive/2009/08/12/create-your-own-code-analysis-rule-set-using-visual-studio-team-system-2010.aspx>
- > Validate Layer Diagrams during TFS Build
<http://msdn.microsoft.com/en-us/library/dd409395.aspx>
- > Blog series on how to customize TFS Build (by Ewald Hofman)
<http://www.ewaldhofman.nl/post/2010/04/20/Customize-Team-Build-2010-e28093-Part-1-Introduction.aspx>
- > Free Book Chapter (Chapter 21) about TFS Build (and how to extend it)
<http://www.wrox.com/WileyCDA/WroxTitle/Professional-Application-Lifecycle-Management-with-Visual-Studio-2010.productCd-0470484268.html>
- > Ready-to-use Build Process Template: Build Release Deploy (BRDLite)
http://blogs.msdn.com/b/willy-peter_schaub/archive/2011/06/06/build-release-deploy-brdlite-what-is-it.aspx
- > Visual Studio Lab Management Videos
http://blogs.msdn.com/b/lab_management/archive/2010/02/11/visual-studio-lab-management-videos.aspx

Empfehlenswerte Literatur

- > [Inside the Microsoft Build Engine: Using MSBuild and Team Foundation Build](#)
Topics: Automated Build & Build Customization
- > [Professional Team Foundation Server 2010](#)
Topics: Everything you need to know about TFS 2010
- > [Professional Application Lifecycle Management with Visual Studio 2010: with Team Foundation Server 2010 \[Sample chapter\]](#)
Topics: Introduction to ALM with VS & TFS 2010
- > [Professional Scrum with Team Foundation Server 2010](#)
Topics: Doing Scrum with TFS 2010
- > [Software Testing with Visual Studio 2010](#)
Topics: Testing with VS & TFS 2010

Ultimate

Web Testing

UML Modeling

IntelliTrace®

Eclipse Plug-In

Load Testing

Architecture Explorer

Arch. Validation

Microsoft Test Manager

Premium

Code Profiler

DB Change Mmgt.

UI Test Automation

Code Analysis

DB Deployment

Test Impact Analysis

Code Metrics

DB Testing

Arch. Diagram Viewer

Code Coverage

Test Data Generation

Test Professional

Microsoft Test Manager

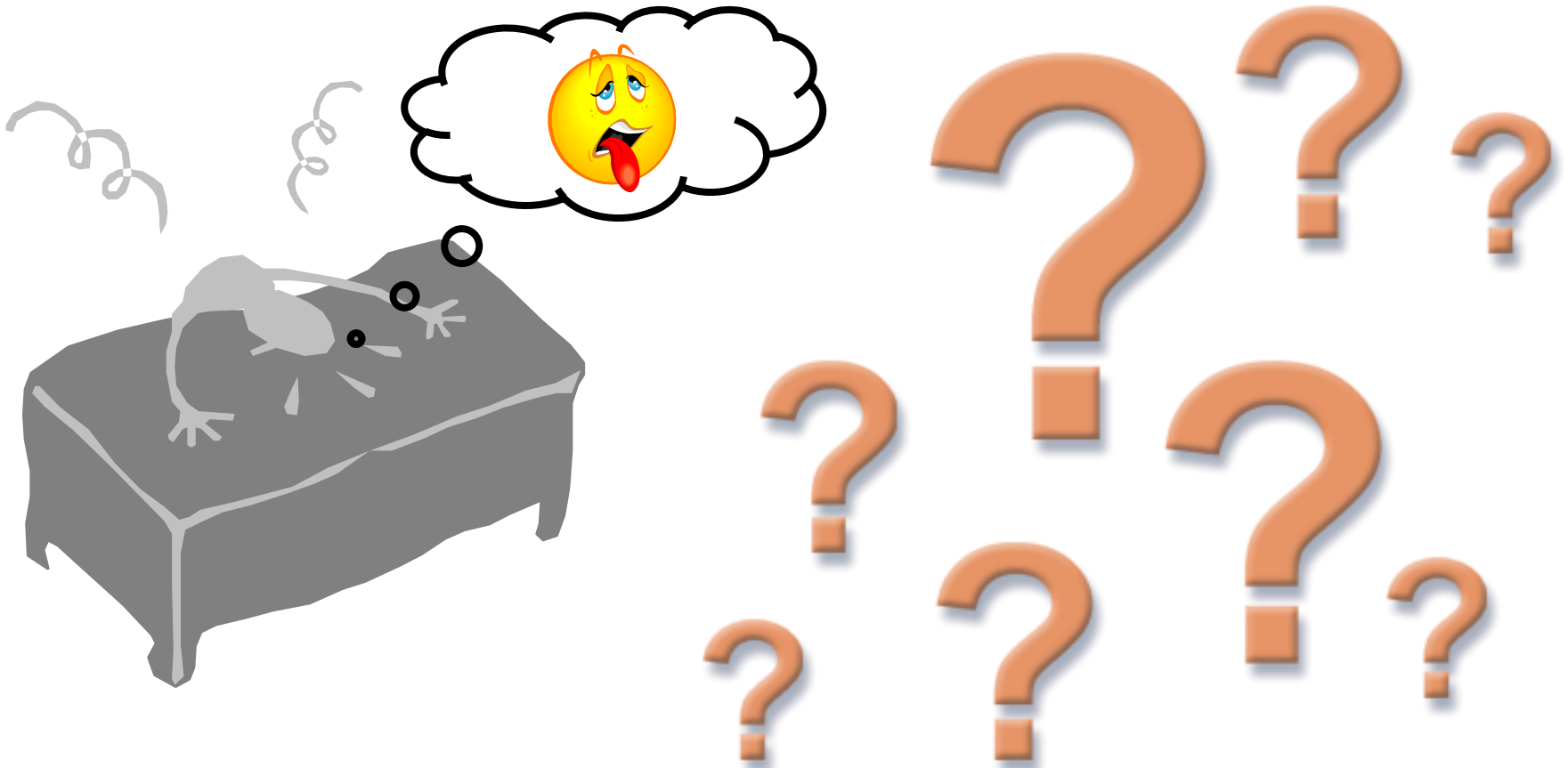
Professional

Unit Testing

Team Foundation Server



Danke für Ihre Aufmerksamkeit!



Im Anschluss oder per E-Mail an:
nenloje@teamsystempro.de