

May 2011 @ ISV Discovery Day



**Sparkles**  
IT Consultancy & Training

**Application Lifecycle Management End-To-End**



**VISUG**  
User Group Lead VISUG  
[www.visug.be](http://www.visug.be)  
[pieter@visug.be](mailto:pieter@visug.be)  
  
@pietergheysens



**Microsoft**  
Most Valuable  
Professional

**Pieter Gheysens**  
Visual Studio ALM MVP  
[www.sparkles.be](http://www.sparkles.be)  
[www.intovsts.net](http://www.intovsts.net)  
[pieter.gheysens@sparkles.be](mailto:pieter.gheysens@sparkles.be)

## Agenda

- Application Lifecycle Management (ALM)
- Visual Studio 2010 offering
- Product features
- Demo of ALM with Visual Studio 2010
- Summary
- Q & A

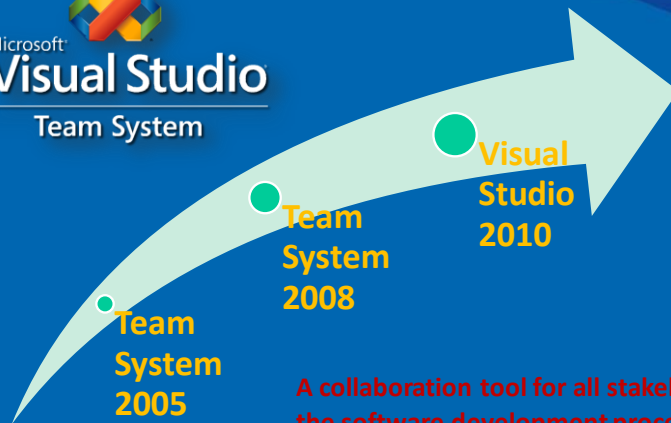
# Application Lifecycle Management

ALM definition according to Forrester:

The **coordination of development life-cycle activities**, including requirements, modeling, development, build, and testing, through

- Enforcement of processes that span these activities
- Management of relationships between development artifacts used or produced by these activities
- Reporting on progress of the development effort as a whole

## A little bit of history ...



A collaboration tool for all stakeholders in the software development process !!

# Who's involved in the Lifecycle?

Microsoft® Visual Studio

The graphic shows the Microsoft Visual Studio logo in the center. Surrounding it are seven circular icons, each with a person's photo and a job title: Architect (top left), Designer (top left-center), Developer (top center), Database Professional (top right-center), Tester (top right), Business Analyst (bottom left), and Project Manager (bottom right).

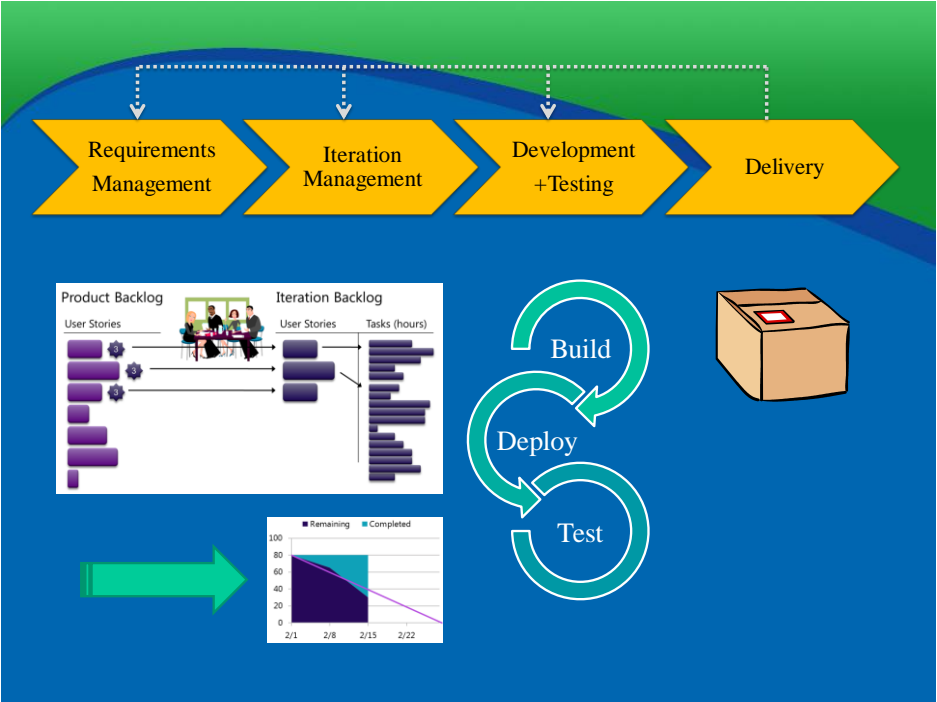
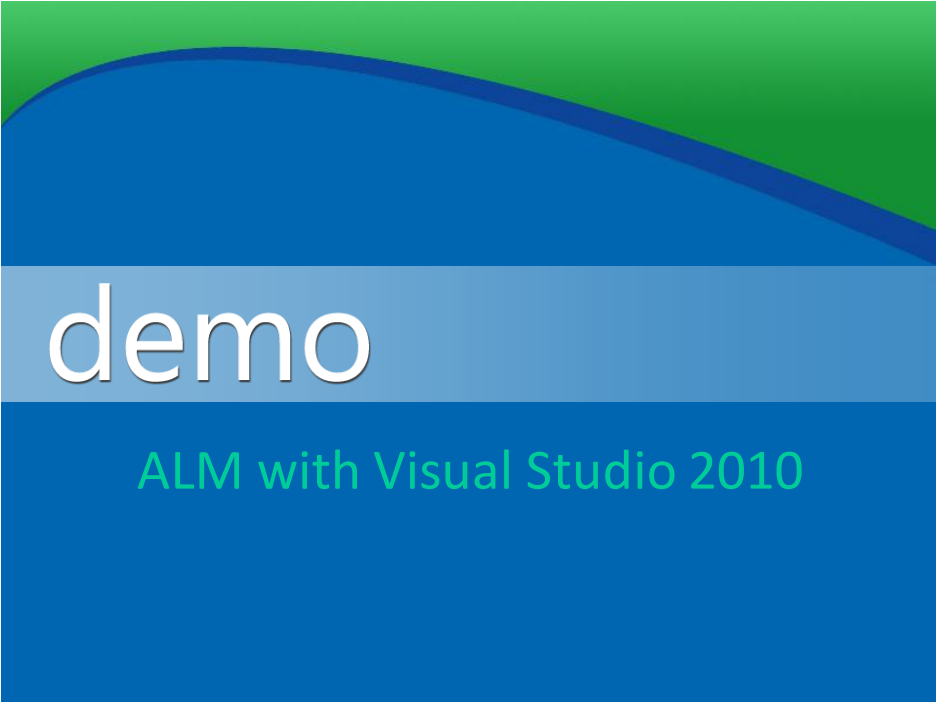
# ALM & VS2010

The diagram illustrates the integration of Visual Studio 2010 editions with other tools. At the top, the Visual Studio editions are shown as stacked blocks: Ultimate, Premium, Professional, and Test Professional. Below these are various tools and services: SharePoint, Expression, Office, Process Template, Team Explorer, Web Access, and Extensibility. In the center, the Team Foundation Server is shown as a central hub, connected to Version Control, Test Case Management, Build Automation, Reporting, Project Management, and Requirements Management. At the bottom, Lab Management is shown as a separate component.

Microsoft Visual Studio 2010 Edition	Features
Ultimate	IntelliTrace™, UML Modeling, Architecture Explorer, Logical Class Designer, Load Testing, Test Manager 2010 (Test Case Management, Manual Testing, Fast Forward for Manual Testing, Layer Diagram, Web Testing)
Premium	UI Test Automation, Performance Profiling, Code Coverage, Database Change Mgmt, Database Unit Testing, Test Impact Analysis, Static Code Analysis, Code Metrics, Database Deployment, Test Data Generation
Professional	Silverlight Tools, SharePoint Development, Web Development, Generate from Usage, New WPF Editor, Multi-core Development, Cloud Development, Windows Development, Office Development, Customizable IDE

## Team Foundation Server

	Microsoft Visual Studio 2010 Professional	Microsoft Visual Studio 2010 Premium	Microsoft Visual Studio 2010 Ultimate
<b>Team Foundation Server</b>	****	****	****
Version Control	✓	✓	✓
Work Item Tracking	✓	✓	✓
Build Automation	✓	✓	✓
Team Portal	✓	✓	✓
Reporting & Business Intelligence	✓	✓	✓
Agile Planning Workbook	✓	✓	✓
Test Case Management	✓	✓	✓
Visual Studio Team Explorer 2010	✓	✓	✓





ID	Summary	Status	Priority	Assignee	Progress	Completed
108	User story	Event registration	Blocker	Pieter Gheysens	0	0
109	Task	Create event data model for store	Blocker	Pieter Gheysens	0	0
110	Task	Change call method method	Blocker	Pieter Gheysens	0	0
111	Task	Change ring the bell event method	Blocker	Pieter Gheysens	0	0
112	Task	Change check method on service	Blocker	Pieter Gheysens	0	0
113	Task	Implement notification mechanism	Blocker	Pieter Gheysens	0	0
114	User story	Feedback	Blocker	Pieter Gheysens	0	0
115	Task	Design feedback form with history	Blocker	Pieter Gheysens	0	0
116	Task	Change data model for grading method	Blocker	Pieter Gheysens	0	0
117	Task	Change insert feedback method	Blocker	Pieter Gheysens	0	0
118	Task	Implement notification mechanism	Blocker	Pieter Gheysens	0	0
119	User story	Handle other subscription	Blocker	Pieter Gheysens	0	0
120	Task	Change data model for grading method	Blocker	Pieter Gheysens	0	0
121	Task	Change insert feedback method	Blocker	Pieter Gheysens	0	0
122	Task	Implement notification mechanism	Blocker	Pieter Gheysens	0	0
123	Task	Change data model for grading method	Blocker	Pieter Gheysens	0	0
124	Task	Change insert feedback method	Blocker	Pieter Gheysens	0	0
125	Task	Implement notification mechanism	Blocker	Pieter Gheysens	0	0

demo

Requirements Management  
+ Iteration Management

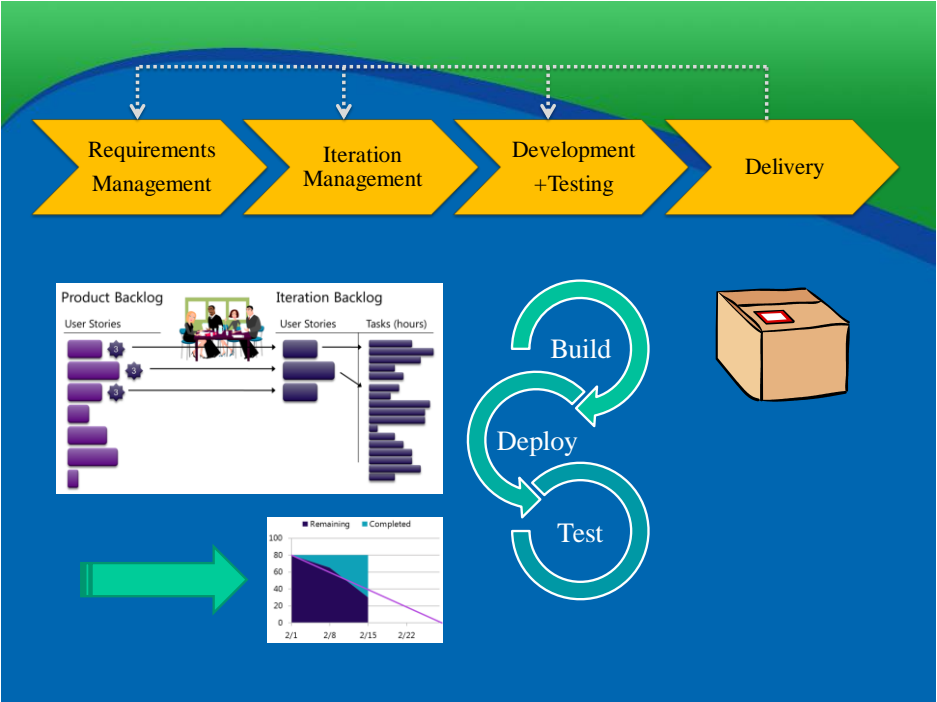


```
graph TD; Main[Main] --> Featurebranch_A_201[Featurebranch_A 201]; Main --> Featurebranch_B[Featurebranch_B]; Main --> Servicepack[Servicepack]; Servicepack --> RTM[RTM]
```

demo

Development

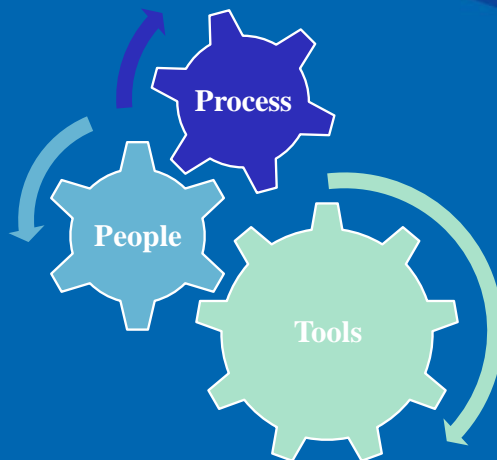
The image shows a screenshot of a JIRA issue view for 'Test left sidebar' (ID: 2299). The issue is in the 'Resolved' state. A large blue and green graphic is overlaid on the screenshot, featuring the word 'demo' in white and 'Testing' in green.

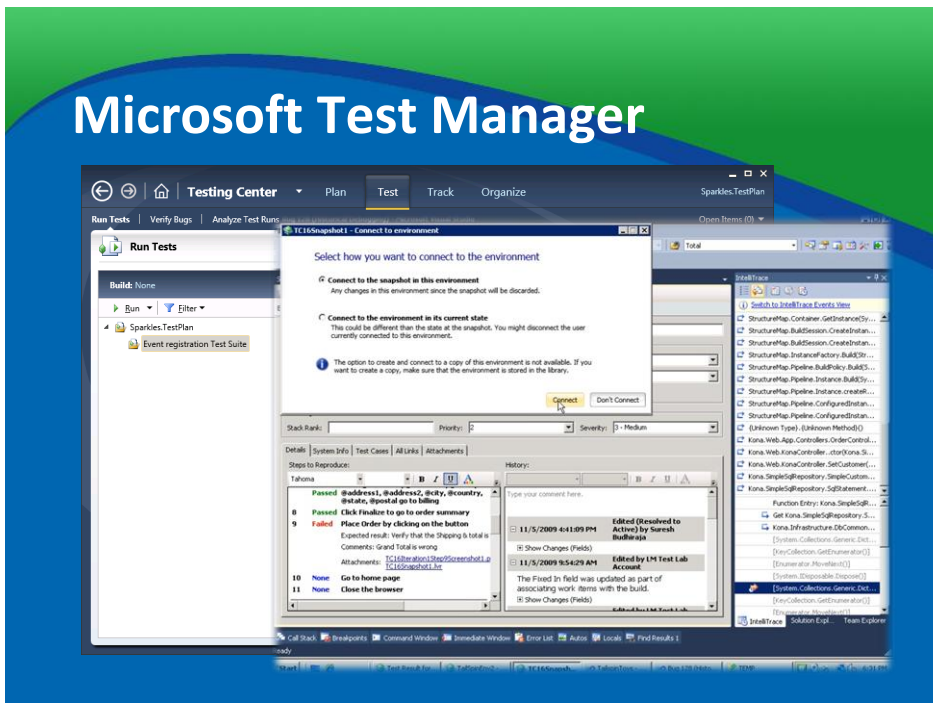
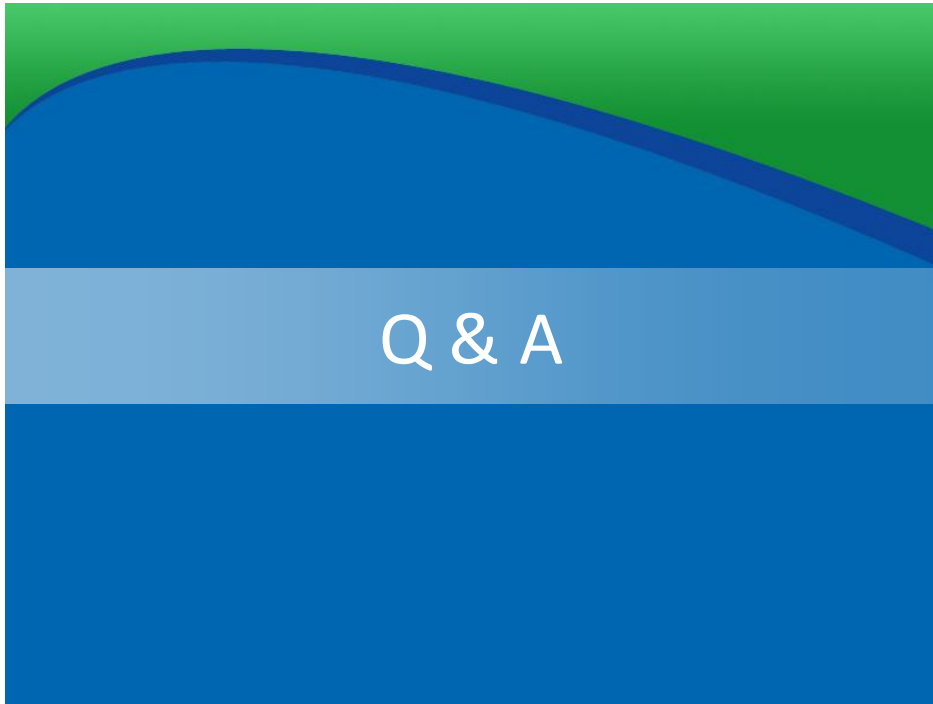


## Summary

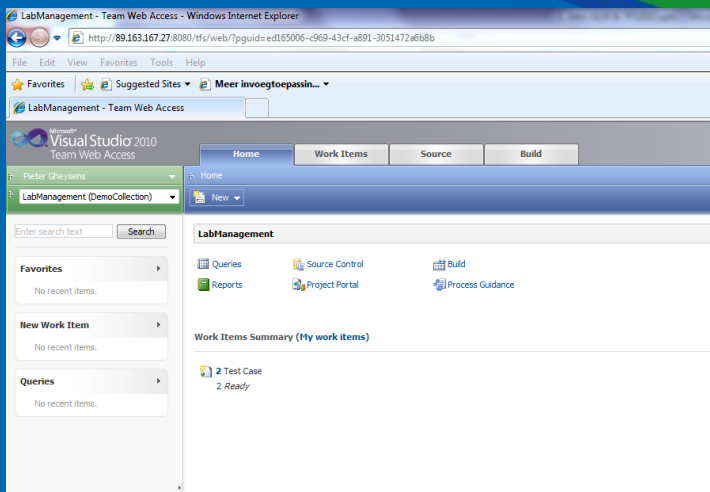
- Visual Studio 2010 is a very BIG release!
- TFS has become a mature collaboration platform
- Integrated tools and services for all stakeholders
- Full traceability – from requirements to delivery
- Excellent reporting dashboards

## Key for success

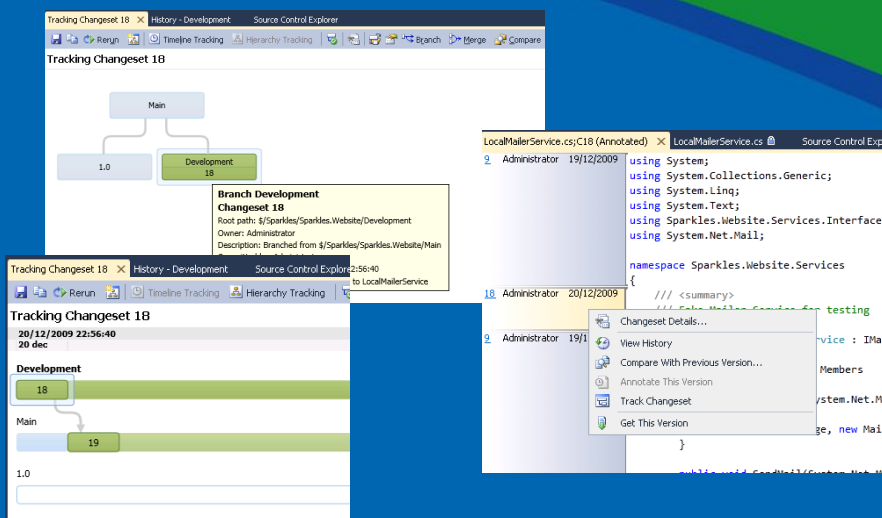




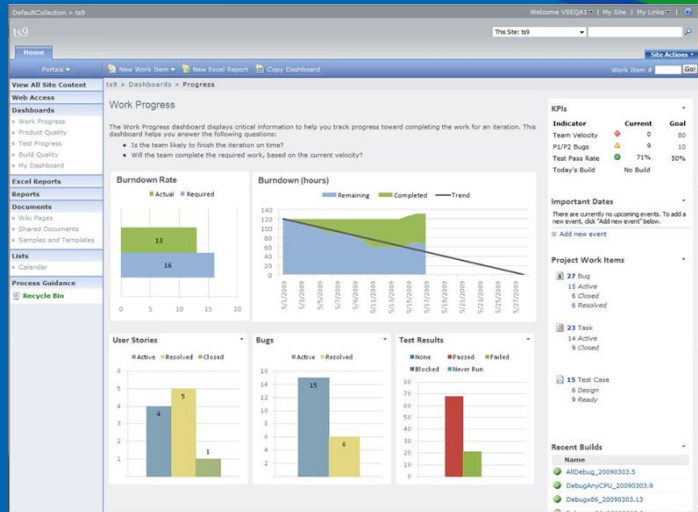
# Team Web Access



# Branching Visualization



# Team Dashboard



# Resources

- Visual Studio 2010 Overview  
<http://www.microsoft.com/visualstudio/en-us/products/2010/default.aspx>
- MSDN Library Visual Studio 2010  
[http://msdn.microsoft.com/en-us/library/dd831853\(VS.100\).aspx](http://msdn.microsoft.com/en-us/library/dd831853(VS.100).aspx)



[www.sparkles.be](http://www.sparkles.be)

[www.intovsts.net](http://www.intovsts.net)

[pieter.ghseysens@sparkles.be](mailto:pieter.ghseysens@sparkles.be)