

2.– 5. September 2013
in Nürnberg



Herbstcampus

Wissenstransfer
par excellence

Überlebensfähig

Der moderne App Lifecycle

Artur Speth

Microsoft Deutschland

Visual Studio Evolution

Visual Studio 2005/2008 : Transparent Foundation

Visual Studio 2010 : Developer <-> Architect
Developer <-> Tester

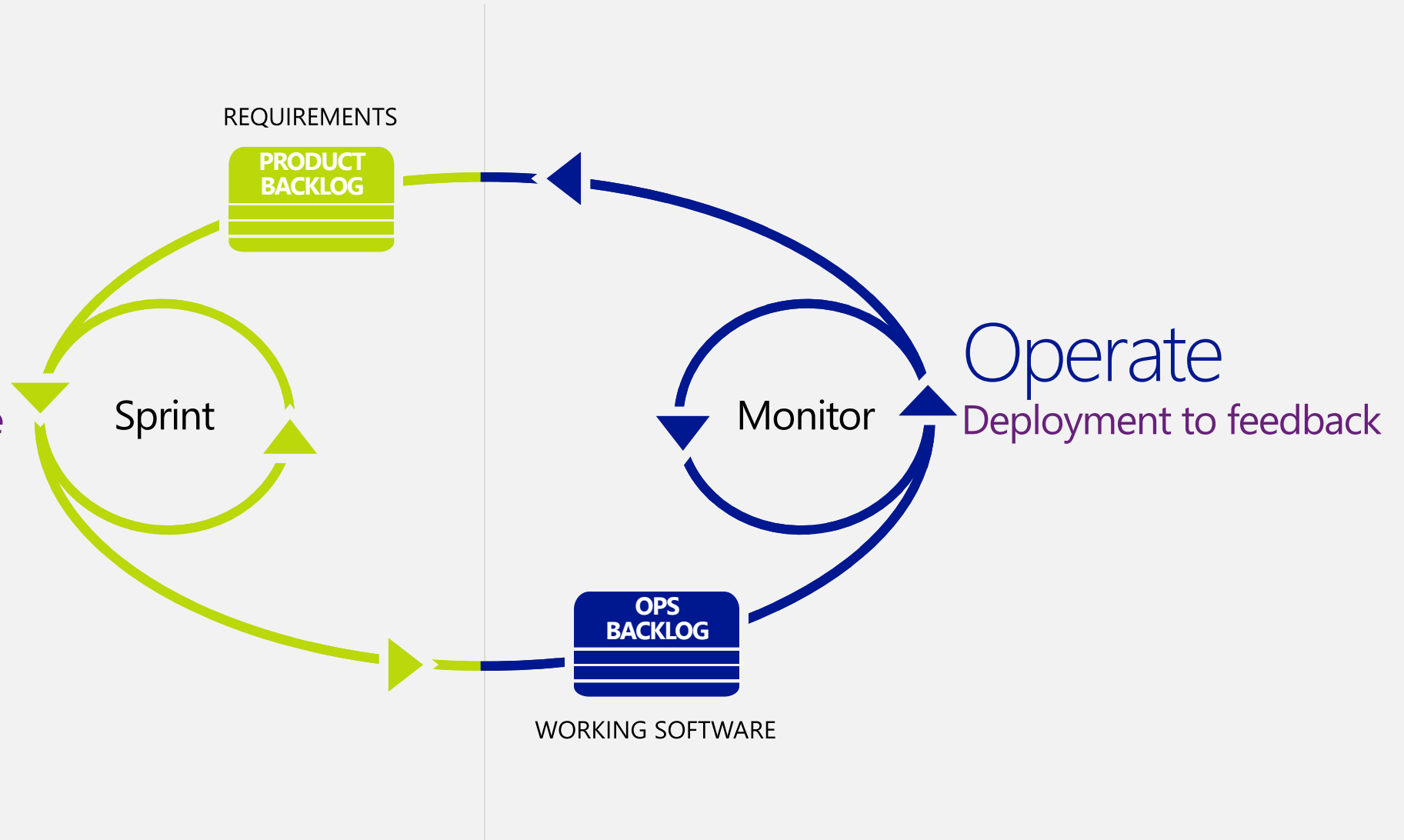
Visual Studio 2012 :
Developer <-> Stakeholder
Development <-> Operations



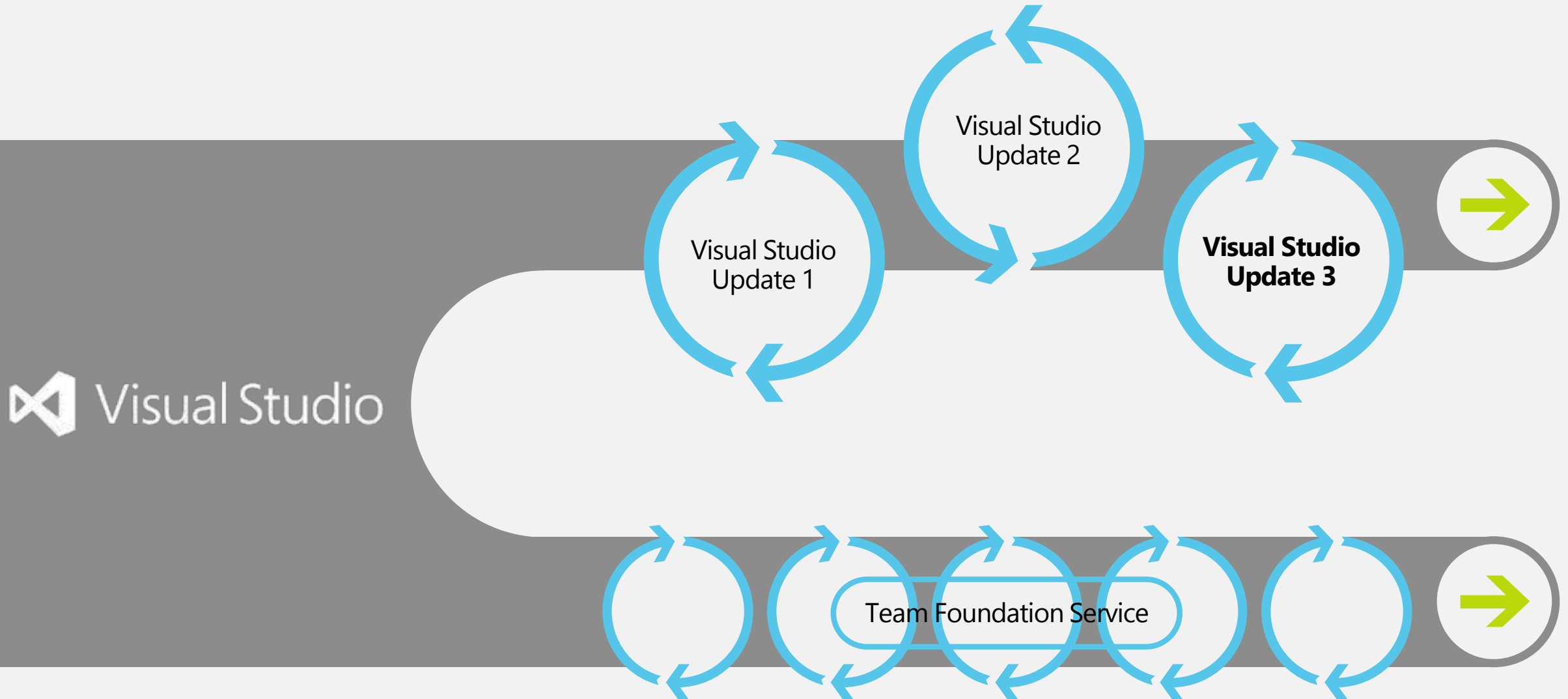
Continuous Value Delivery

Define
Ideation

Develop
Idea to working software



Visual Studio continuous value delivery



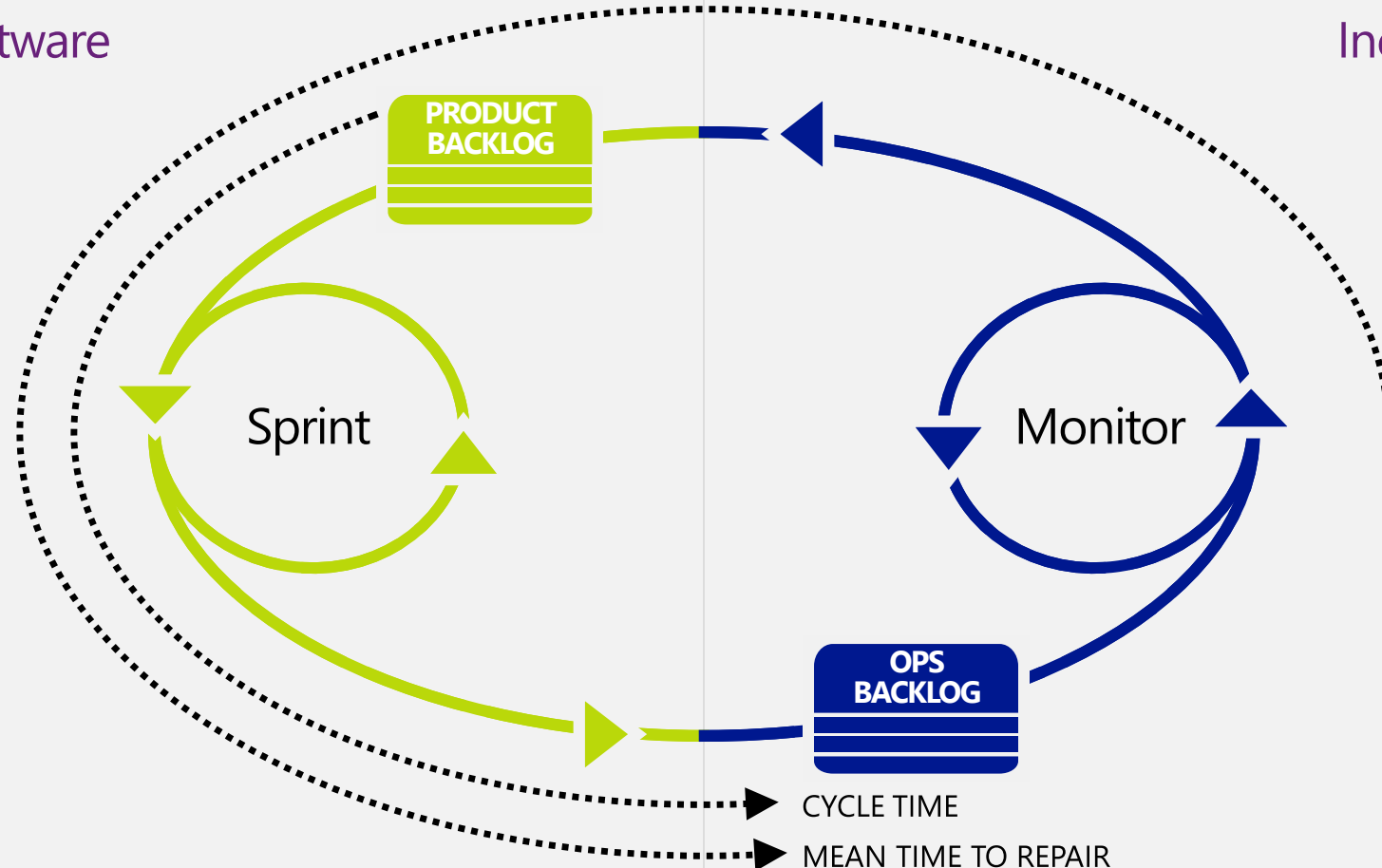
Continuous Flow Of Value

Develop

Idea to working software

Operate

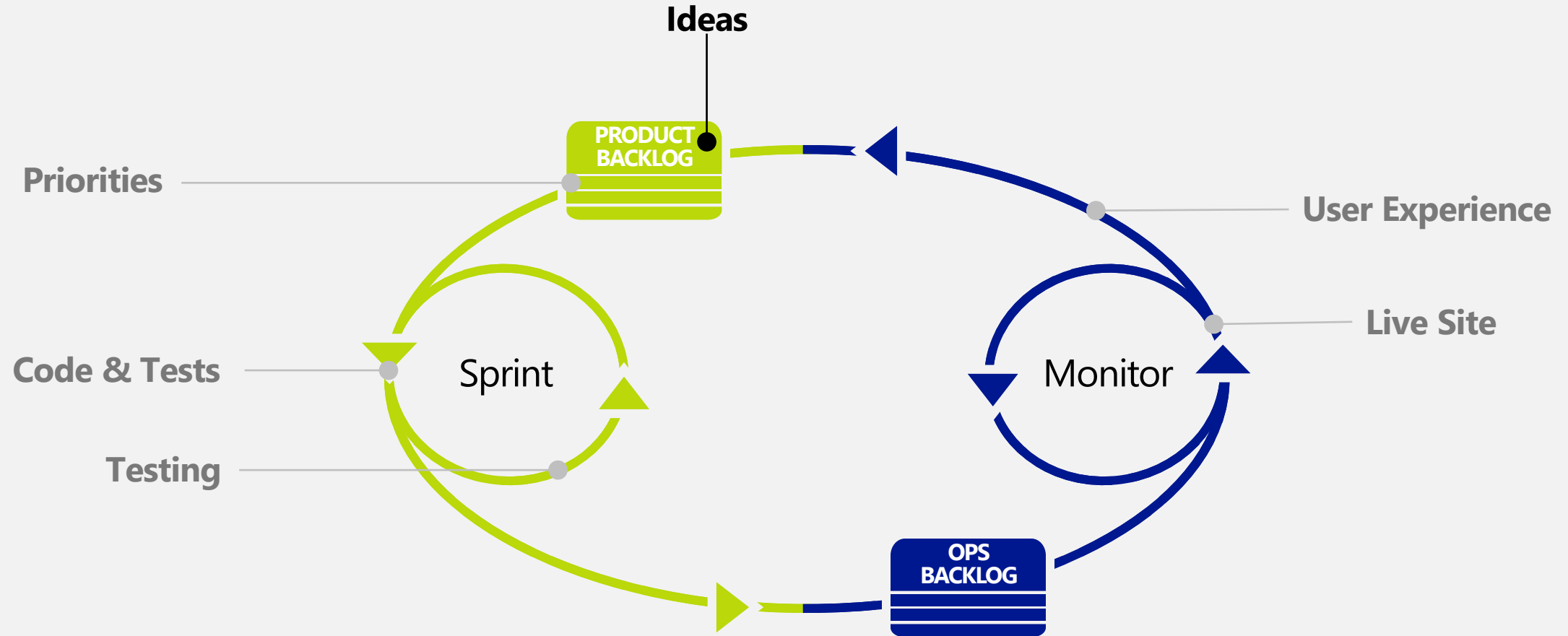
Incident to resolution



When you deliver, test and validate exactly what the customer specified, what happens?



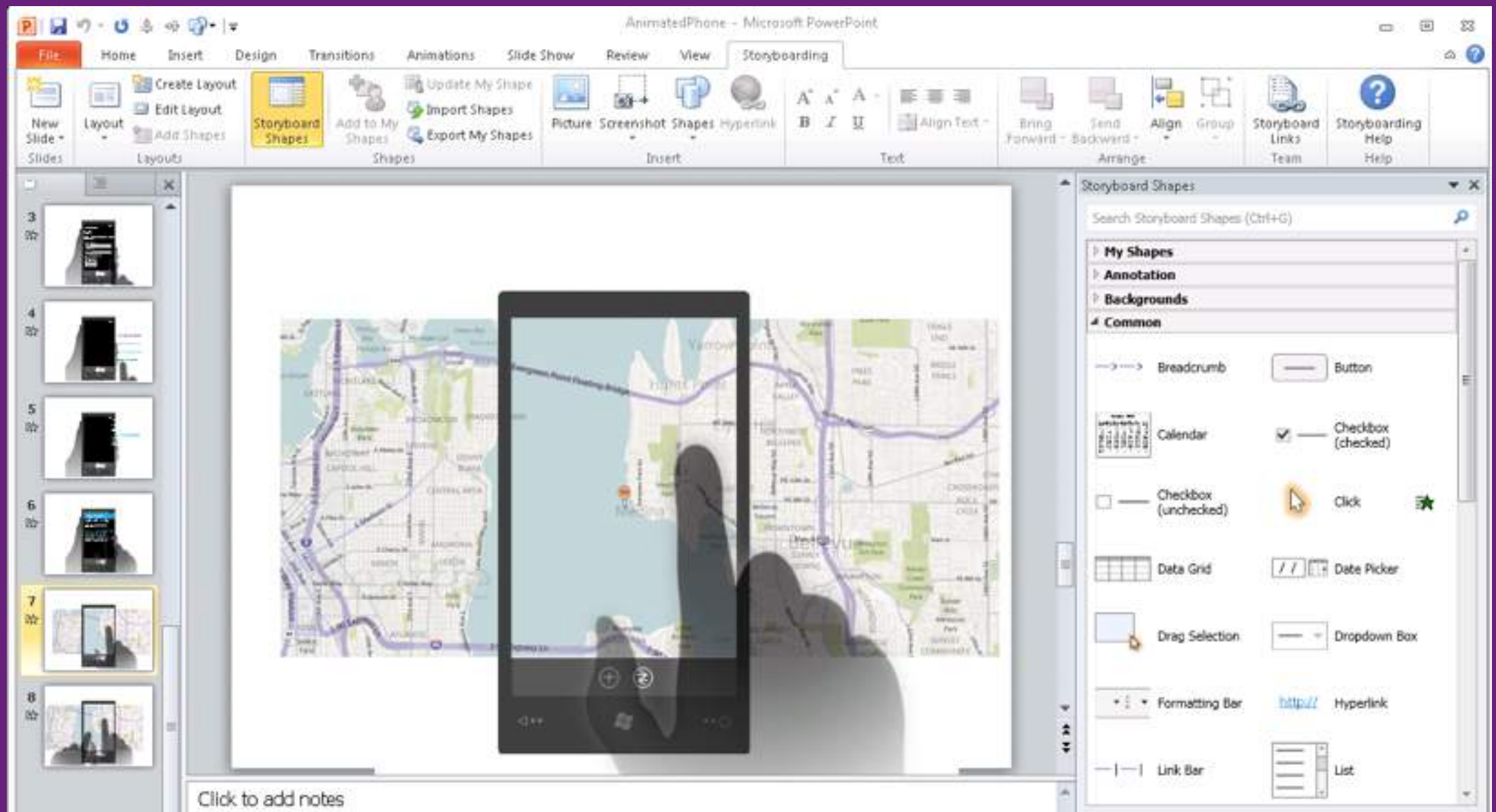
Ideas



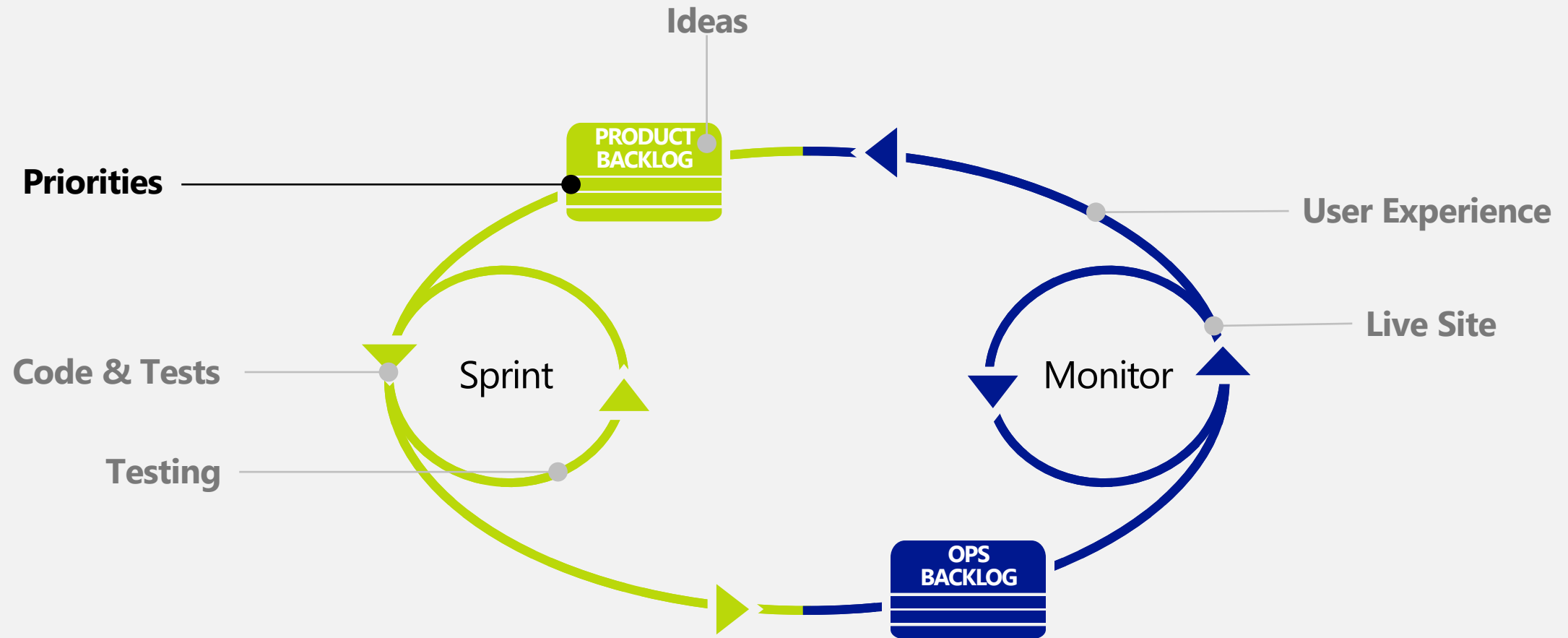
PowerPoint Storyboarding

demo

Now everyone can storyboard ideas



Priorities



Cus-
tomers



The three questions they vote on

	Importance to your business		Satisfaction with Existing			Is this in the right direction?
For each idea...	Most important	Least important	Does the existing functionality meet your needs?			
Once I work with something I can't find it again						
I can't tell what changed from build to build, especially over time						
I don't know who is the expert of a given area						
I need another pair of eyes on my code						

And the
votes
are
visible
and
discussed



Product Backlog Management

Product Backlog Management interface screenshot.

Navigation: HOME WORK SOURCE BUILD

Product Backlog Management: FabrikamFiber / Fabrikam Fiber Web Team Julia Ilyana

Left sidebar: Product Backlog, Past, Current (Sprint 3, Sprint 4, Sprint 5, Sprint 6), Future (Sprint 4, Sprint 5, Sprint 6)

Product Backlog contents:

Type: Product Backlog Item

Title:

Add

Forecasting based on velocity of 35

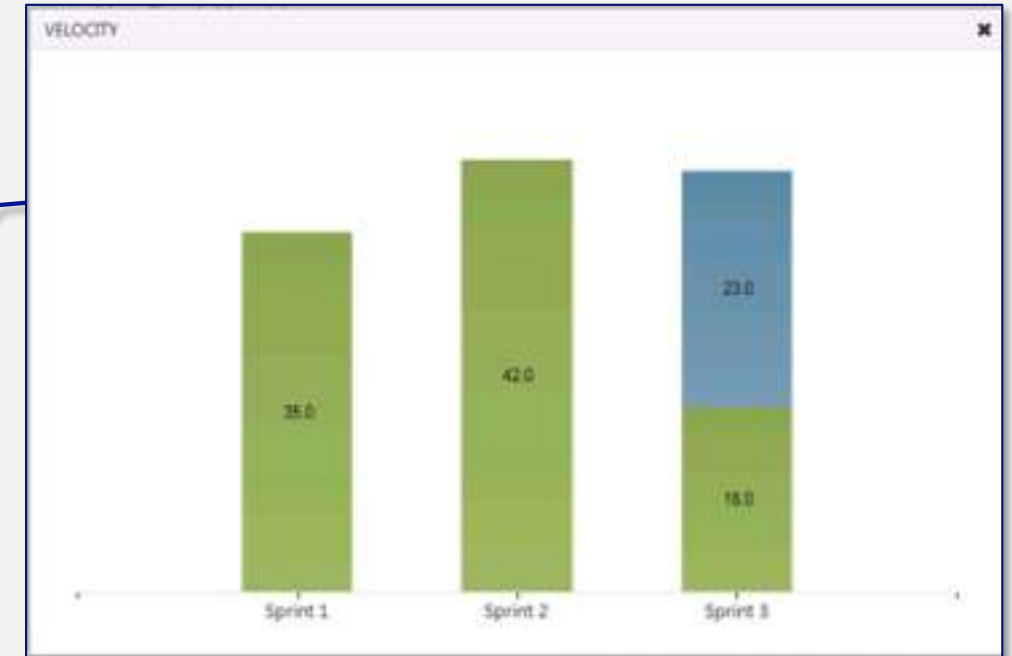
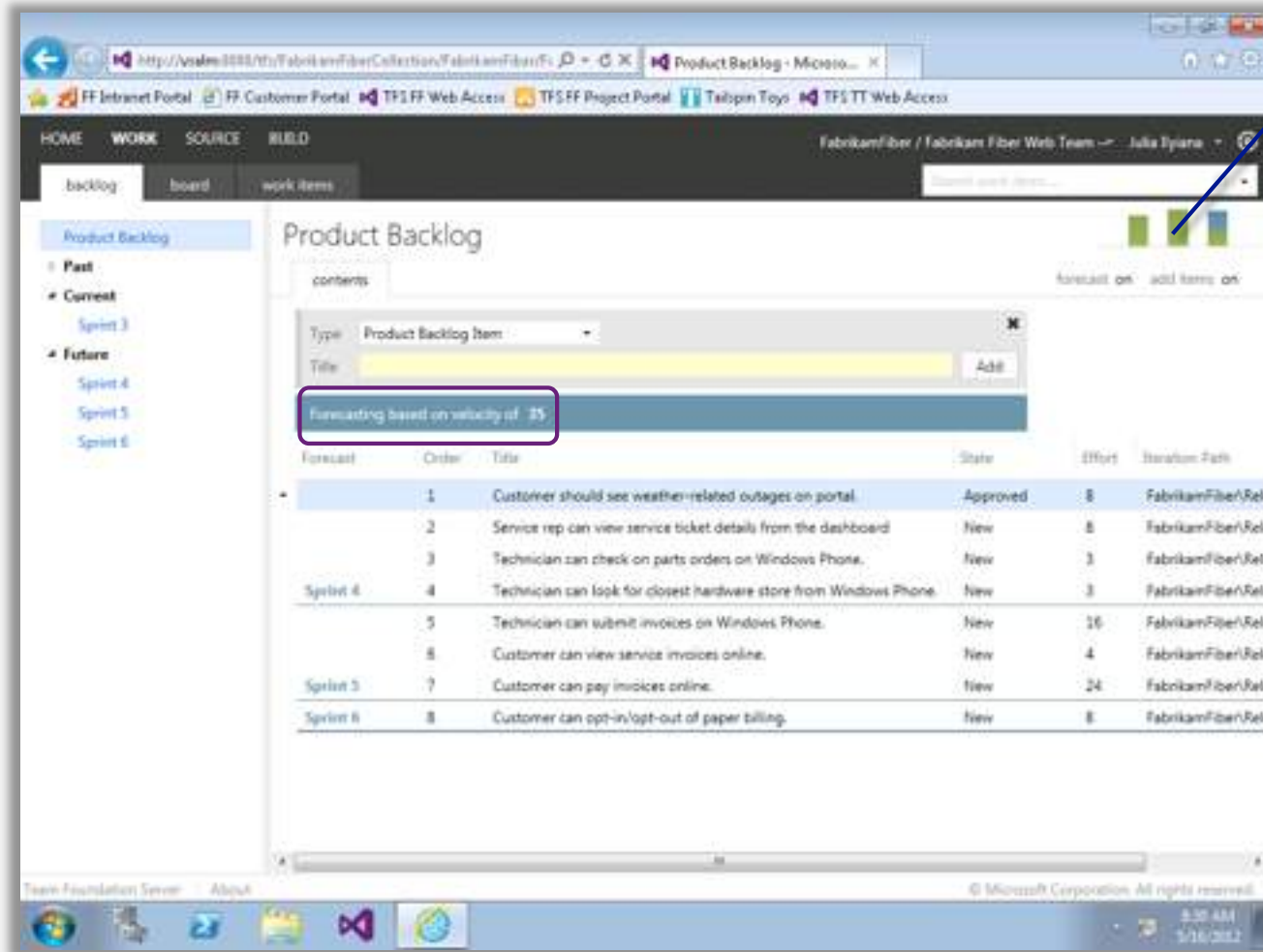
Forecast	Order	Title	State	Effort	Iteration Path
	1	Customer should see weather-related outages on portal.	Approved	8	FabrikamFiber\Rele
	2	Service rep can view service ticket details from the dashboard	New	8	FabrikamFiber\Rele
	3	Technician can check on parts orders on Windows Phone.	New	3	FabrikamFiber\Rele
Sprint 4	4	Technician can look for closest hardware store from Windows Phone.	New	3	FabrikamFiber\Rele
	5	Technician can submit invoices on Windows Phone.	New	16	FabrikamFiber\Rele
	6	Customer can view service invoices online.	New	4	FabrikamFiber\Rele
Sprint 5	7	Customer can pay invoices online.	New	24	FabrikamFiber\Rele
Sprint 6	8	Customer can opt-in/opt-out of paper billing.	New	8	FabrikamFiber\Rele

Team Foundation Server | About

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8:30 AM 5/16/2012

Planning what can be done next



Each Backlog Item is estimated in 'points'

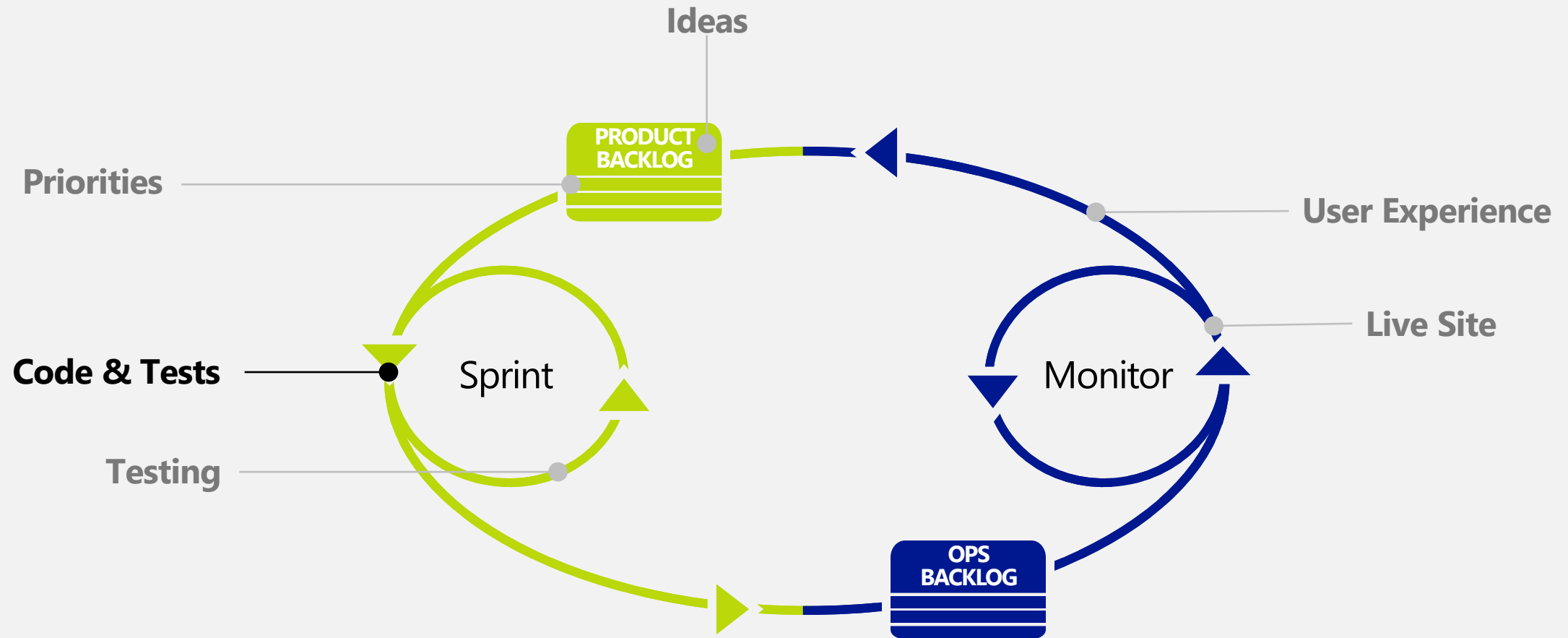
History of work done is Team's 'Velocity'

Velocity determines what can be done next

Agile Planning Tools

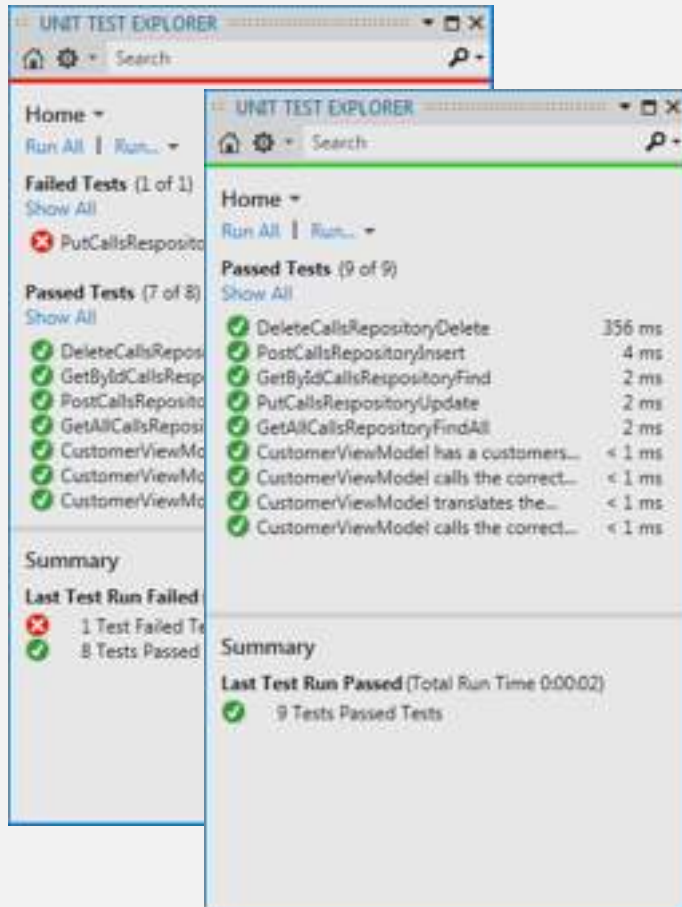
demo

Code & Test

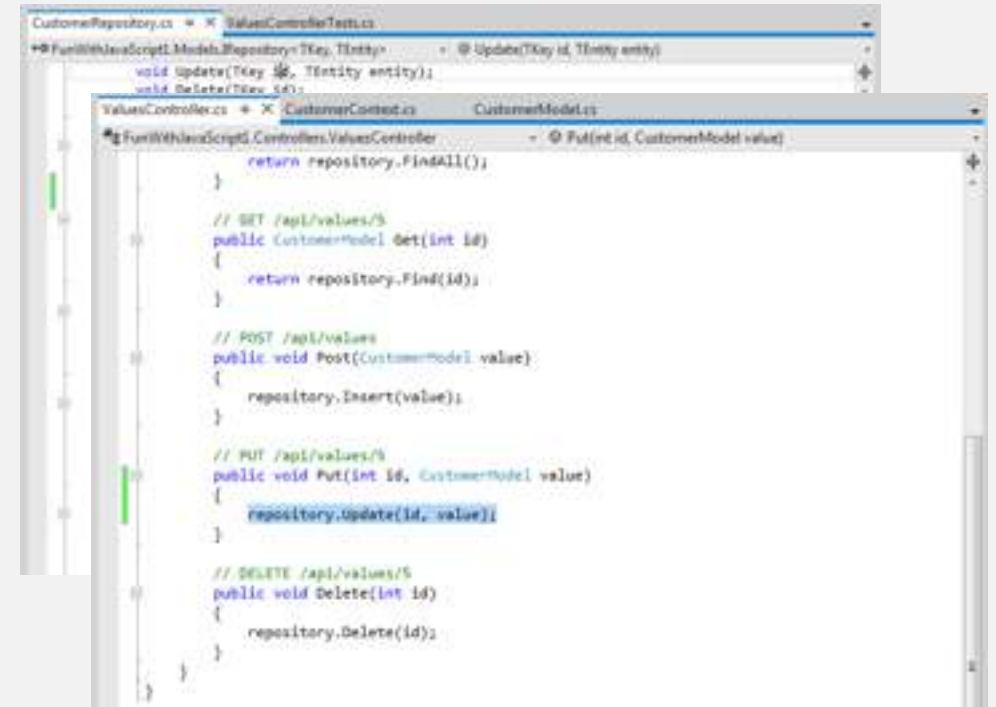


Continuous Feedback while Coding

Test a little



Coding
Feedback
Loop



Code a little

Code Review

My Code Reviews

2 work items (1 top level, 1 linked and 1 selected)

Results

Editor

Work item pane Bottom

 Save query















Column options



ID	Work Item...	Title	Assigned To	State
244	Code Revie...	Code Review for Bug 231: Customers with Canadian addresses not displayin...	Brian Keller	Requested
245	Code Revie...	Code Review for Bug 231: Customers with Canadian addresses not display...		Closed

Code Review Response 245: Code Review for Bug 231: Customers with Canadian address...

2 of 2















Tags

Add...

Code Review for Bug 231: Customers with Canadian addresses not displaying properly. (Brian Harry)

Assigned To <No one>

Reviewed By Brian Harry

STATUS

State Closed

Reason Closed

SYSTEM INFO

Created By Brian Keller

Created Date 7/9/2013 5:54:12 AM

Developer Feedback

demo

Task Board

Visual Studio Team Foundation Server 2013 Preview / FabrikamFiber

Brian Keller | Settings Help

HOME CODE **WORK** BUILD TEST

Search work items

Backlogs Work items

Backlog explorer

Iteration 3

July 1 - July 12
4 work days remaining

Backlog Board Capacity

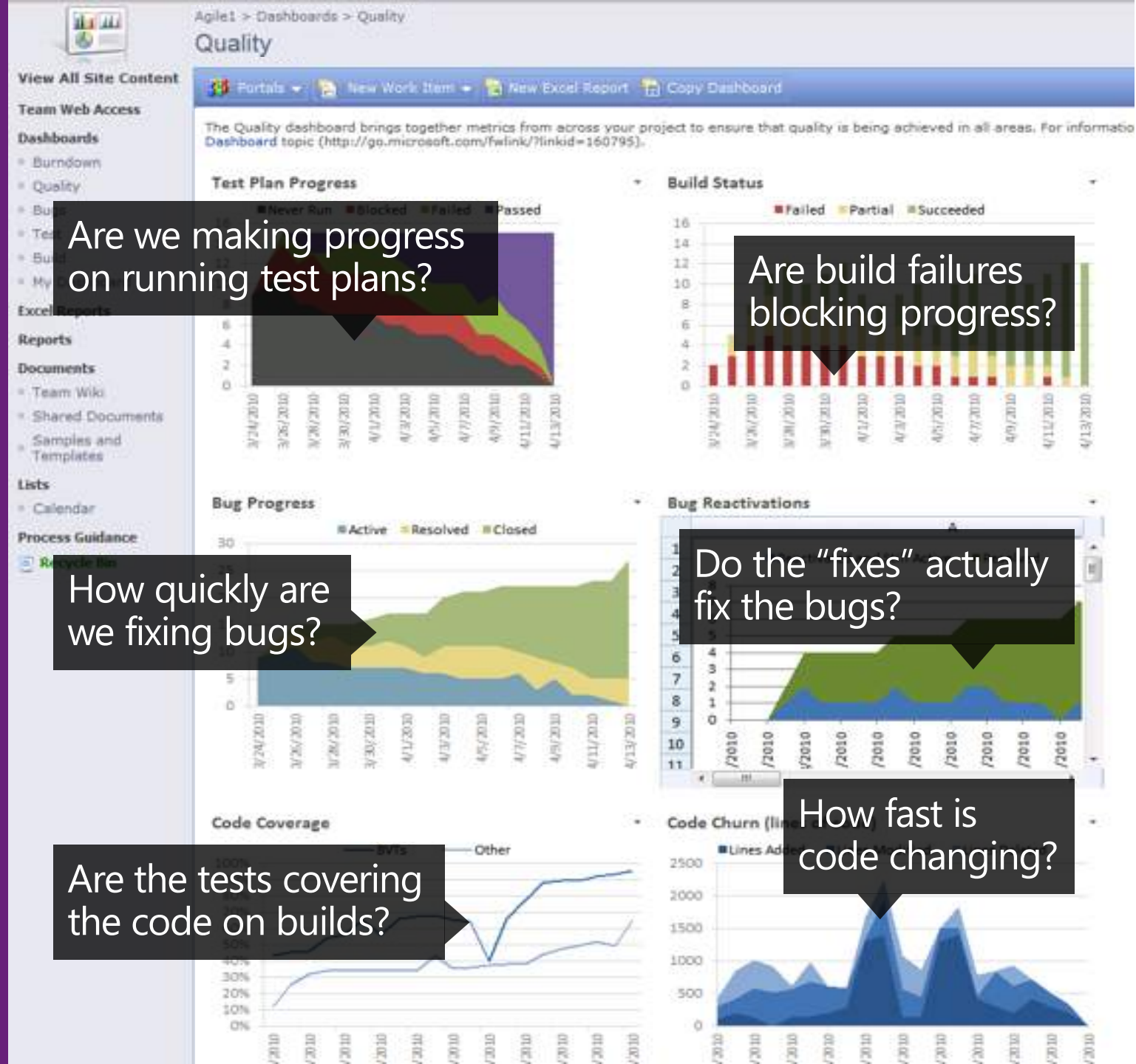
Group by Backlog items Person All

	TO DO 45 h	IN PROGRESS 4 h	DONE	
Technician can see service tickets on Windows Phone. + 1 h		Create Windows Phone 7 app. 1 Brian Keller	Review application design with technicians. Julia Ilyiana	Design application workflow. Brian I
			Submit application to Marketplace. Annie Herriman	
Technician can report busy/late on Windows Phone. + 1 h		Design implementation of feature. 1 Brian Keller	Review feature with technician early adopters. Julia Ilyiana	Implement feature app and wire up back-end database. Brian I
			Create UI for feature. Annie Herriman	

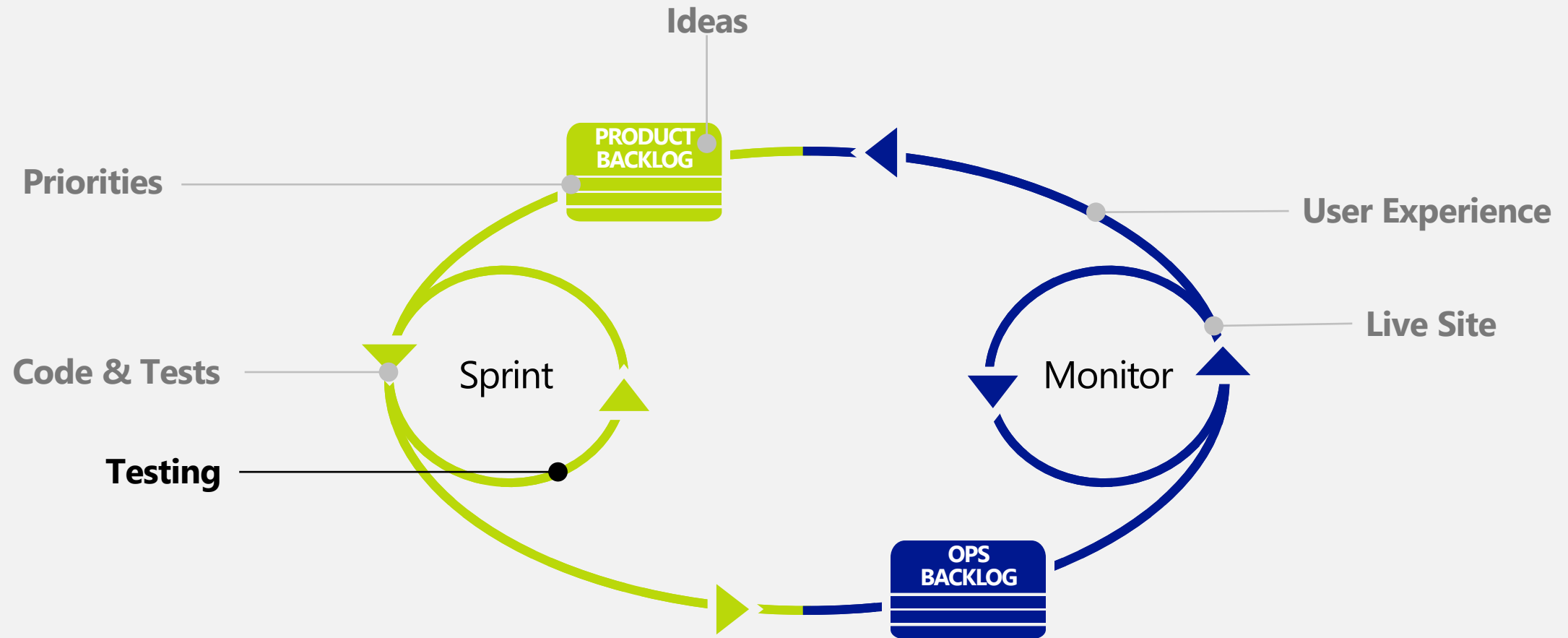
Burndown Chart



Feedback from the bits



Testing



Explore and Map

The screenshot displays the Microsoft Testing Center interface. The top navigation bar includes 'Testing Center', 'Plan', 'Test', 'Track', and 'Organize'. The 'Plan' tab is active, showing a 'Contents' view of a test suite named 'Collector Tour (Suite ID: 3347)'. The left pane shows a hierarchical tree of test items, with 'Collector Tour (5)' selected. The right pane displays a table of test cases for this suite.

Test suite: Collector Tour (Suite ID: 3347)
Default configurations (3): Default configuration, teamlab, Vista and IE7

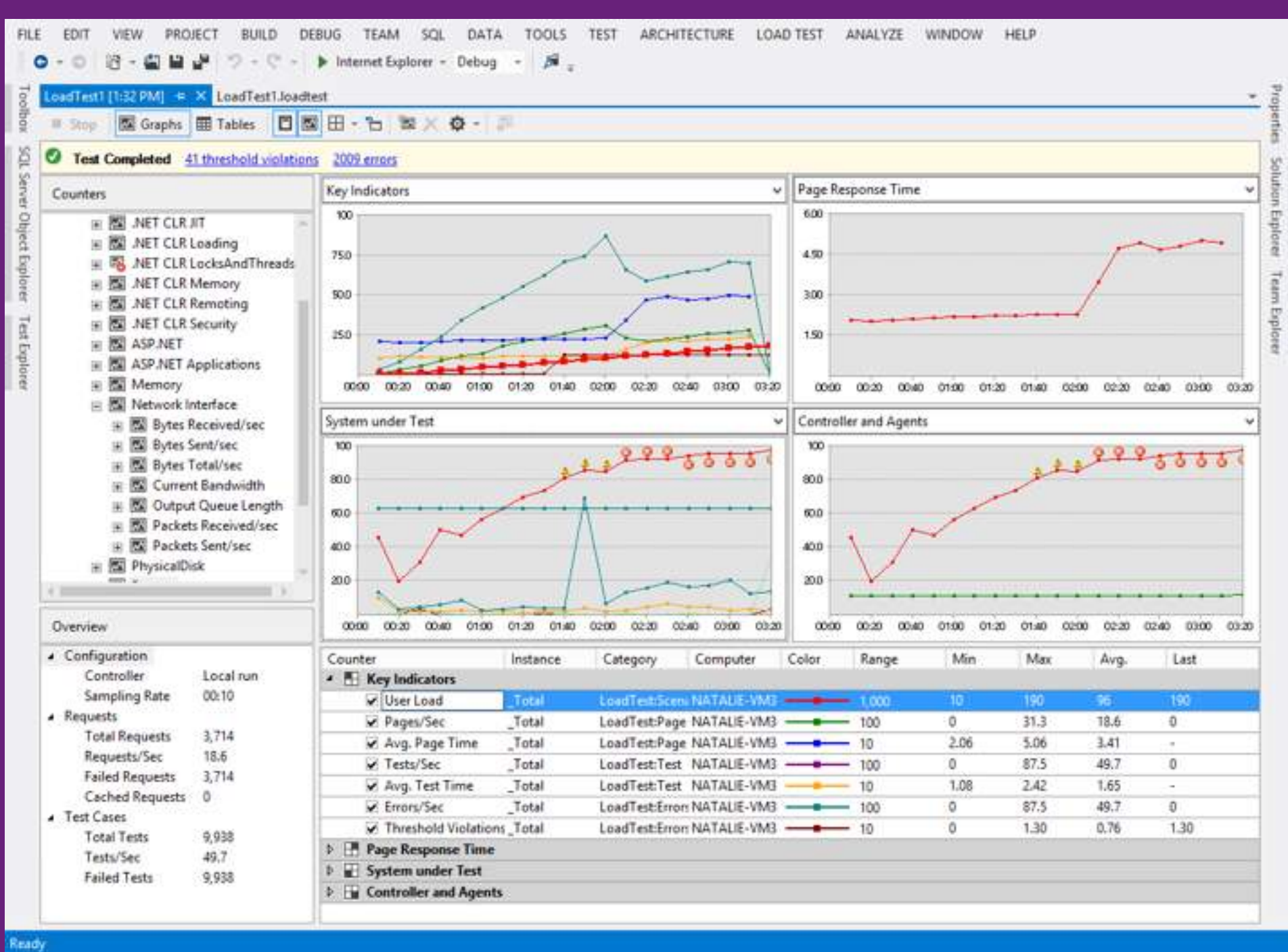
Drag a column header here to group by that column.

Order	ID	Title	Priority	Conf...	Testers	An
1	480110	Test that the outputs are the same for the same action done in different places	2	1	Joe Allan Muharsky	De
2	480101	Test all the outputs of your application	2	1	Joe Allan Muharsky	De
3	480094	Test the obvious for every window or feature in your application	2	1	Joe Allan Muharsky	De
4	480078	Verify inputs/outputs throughout your application	2	1	Joe Allan Muharsky	De
5	482722	Verify refresh behavior throughout your application	2	1	Joe Allan Muharsky	De

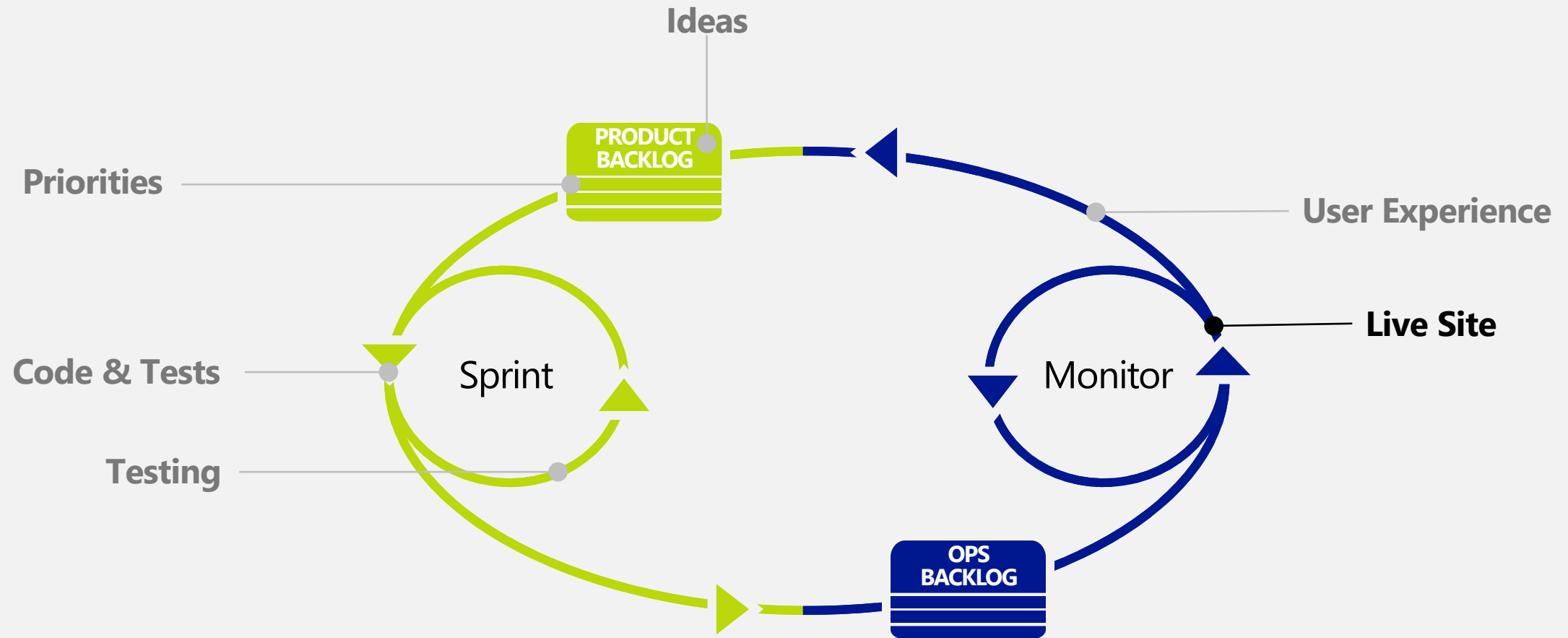
Exploratory Testing with Microsoft Test Manager

demo

Performance under Load

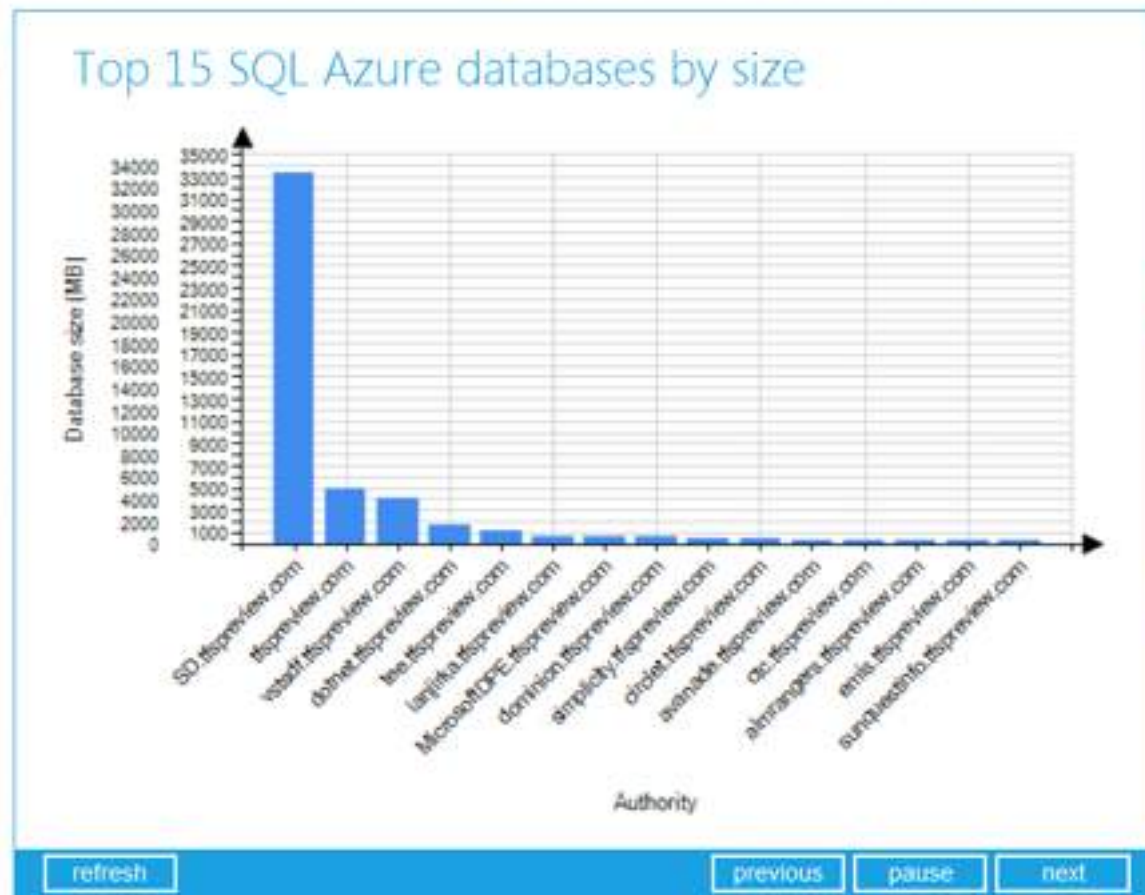


Live Site



Life Site Dashboard

Team Foundation Service dashboard



Data cached at 2/11/2012 12:35:16 AM UTC.

Notes

2/9/2012 20:00 UTC

Today we started seeing a wave of UnexpectedErrorsExceptions (10) - from 2/9/2012 5:03:34 PM -2/9/2012 5:16:03 PM UTC , 1 ServerInvalidResponseException at 2/9/2012 5:17:31 PM UTC, and TestTimeout exceptions starting at 2/9/2012 5:18:57 PM UTC to current. 101 TestTimeOut exceptions and counting. SQL Azure is investigating possible throttling which may be causing instances of dos guarding against our VIP. WA is also investigating if there are any network issues associated with our VIP, AT IPs.

IntelliTrace Collector

Free Download

Standalone tool

Supports IIS 7.0, 7.5, or 8.0

Supported Operating Systems

Windows 7 SP1, Windows 8,
Windows Server 2008, Windows Server 2008 R2
SP1, Windows Server 2012



Escalate
from
Production

Operational Issue 14 - Microsoft Visual Studio (Administrator)

FILE EDIT VIEW PROJECT DEBUG TEAM SQL TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP

Operational Issue 14: 'tailsrv2' on contoso1.contoso.local has had an application failure occur. An exception of type 'S

CLASSIFICATION

Title	'tailsrv2' on contoso1.contoso.local has had an application failure occur. An exception of type 'S		
Area	Contoso Web	STATE	State: Assigned
Iteration	Contoso Web	Reason	Assigned for review
		Assigned To	John Smith

STATUS

Priority	2	Resolution Notes	
Severity	3 - Medium		

PROPERTIES CUSTOM PROPERTIES PRODUCT KNOWLEDGE HISTORY LINKS ATTACHMENTS

Description

'tailsrv2' on contoso1.contoso.local has had an application failure occur. An exception of type 'System.Data.SqlClient.SqlException' with a message of 'MISSING TAX RATE' was thrown in 'MVC page : Order.Address'. For additional details please use the following link: <http://CONTOSO1/AppDiagnostics/Pages/login.aspx?m=ev&uid=84fef36b-f877-4ed2-9ba7-b9b51f2f7a38>

Repeat Count: 0

Time raised: 6/19/2012 8:17:15 PM

Aspect: ApplicationFailure

Team Explorer - Home

Search Work Items (Ctrl+)

Home | Contoso Web

My Work

Request Code Review

Pending Changes

Source Control Explorer

Work Items

New Query

Builds

Web Access

Settings

Solution Ex... Team Expl... Class View

Ready

Start

12:19 AM

Preemptive Analytics

Microsoft Visual Studio (Administrator) - All Incidents [Results]

FILE EDIT VIEW DEBUG TEAM TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP

Incident 4 | All Incidents [Results] | Start Page

Save Results | Save Query | Open in Microsoft Office | Edit Query | Column Options

Query Results: 1 items found (1 currently selected).

ID	Title	Severity	Raw ...	Exce...	Exception ...	Assigned To	State
4	PreEmptive Analytics - ErrorCountOverTime: 'System.ApplicationException - Uncaught' de...	3 - Medium	1	1	Uncaught		New

Incident 4: PreEmptive Analytics - ErrorCountOverTime: 'System.ApplicationException - Uncaught' detected in 'WPFChat'

Application Version: 1.0.0.0

Exception Count By Instance: 1

Accept New Data: Yes

EXCEPTION INCIDENT DETAILS HISTORY LINKS ATTACHMENTS

System.ApplicationException - You need to pick a screen name and image
at WPFChat.SignInControl.AddButton_Click(System.Void(System.Object sender, System.Windows.RoutedEventArgs e))
at System.Windows.EventRoute.InvokeHandlersImpl(System.Void(System.Object source, System.Windows.RoutedEventArgs args, Boolean reRaised))
at System.Windows.UIElement.RaiseEventImpl(System.Void(System.Windows.DependencyObject sender, System.Windows.RoutedEventArgs args))
at System.Windows.Controls.Button.OnClick(System.Void())
at System.Windows.Controls.Primitives.ButtonBase.OnMouseLeftButtonUp(System.Void(System.Windows.Input.MouseButtonEventArgs e))
at System.Windows.RoutedEventArgs.InvokeHandler(System.Void(System.Delegate handler, System.Object target))
at System.Windows.EventRoute.InvokeHandlersImpl(System.Void(System.Object source, System.Windows.RoutedEventArgs args, Boolean reRaised))
at System.Windows.UIElement.RaiseEventAsSystem.Void(System.Windows.DependencyObject sender, System.Windows.RoutedEventArgs args, System.Windows.RoutedEventArgs newEvent)
at System.Windows.UIElement.OnMouseUpThunk(System.Void(System.Object

Attachments

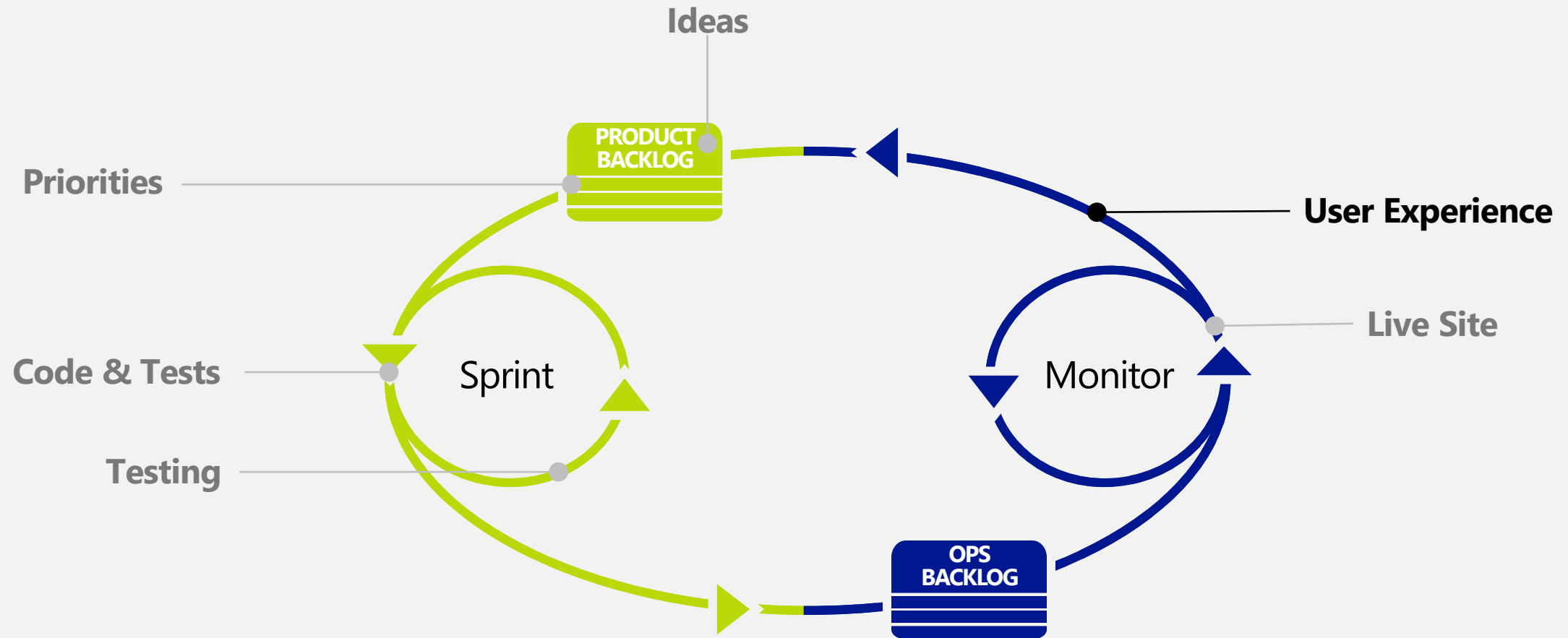
Name	Size	Date Attached	Com...
f45d2293-c110-4761-a2ae-f5cc0ddfb669.paas	11 KB	8/24/2012 9:51:35 AM	Aggr...
Custom_Attributes_(Continually_Updated)_4.csv	1 KB	8/24/2012 9:51:46 AM	Cust...

Output

Show output from:

Solution Explorer | Team Explorer | Class View

User Experience



Stakeholder Feedback

demo

User Voice



Visual Studio

I suggest you ...

← Visual Studio

12,625

votes

Vote

Add some color to Visual Studio 2012

Usability studies have shown that both shape and color help to distinguish visual elements in a UI. The upcoming/current beta release of Visual Studio 2011 has removed color from the toolbars and from icons in e.g. the Solution Explorer.

Please make this optional so those of us that want a more accessible and user friendly IDE can have their cake and eat it too.



Michiel shared this idea · Feb 23, 2012 · [Flag idea as inappropriate...](#)



Visual Studio team (Product Team, Microsoft) responded · Sep 7, 2012

Hi folks,

Take a look at the VS 2012 Color Theme Editor – it is an option for creating and editing your own Visual Studio themes.

<http://visualstudio.uservoice.com>

Respond To User Voice

Visual Studio Blog

The Visual Studio Blog

The official source of product insight from the Visual Studio Engineering Team

Visual Studio 11 User Interface Updates Coming in RC

Visual Studio Blog · 8 May 2012 10:00 AM · 1,152

With the release of Visual Studio 11 Beta back in February of this year, we introduced changes to the user experience based on two core design principles, the first being to give you more space for your content and the second being to draw more focus to that content. Since the debut of these changes there's been significant community response and feedback. We've taken this feedback and based on what we heard have made a number of changes planned for Visual Studio 11 RC. I want to thank you for your continued feedback through this blog, and also through the various other community channels - please keep it coming.

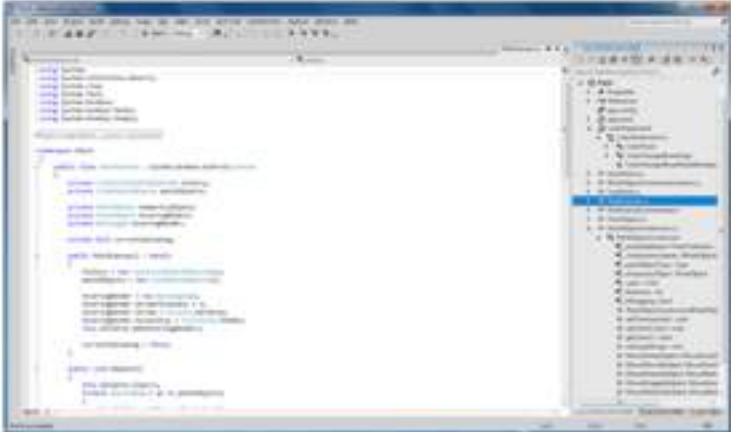
The purpose of this post is to provide you with an update on the changes we've made since beta. I've also included a brief summary of the beta feedback that we've leveraged in making these updates.

Beta Feedback

We have been fortunate in getting a lot of actionable user feedback relating to the Visual Studio 11 Beta release. In sorting through the feedback we found it to be primarily focused on three aspects of the new themes.

- An overall desire for more visual "energy" and contrast
- Calls for a more balanced application of Metro styling
- A desire for greater icon clarity and differentiation through the use of color

Here is a quick glimpse at the changes we've made from beta to RC in keeping with what we heard from you. Each of the changes reflected in these screenshots is called out in detail within the remainder of this post.



Visual Studio

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- Atom

Translate this page

Japanese

Microsoft Translator

Language options

Simplified Chinese (中国)

Recent Posts

- Improved Toolbox Performance Delivers Highly Responsive Visual Studio 2012
Posted 26 days ago
- The Visual Studio 2012 Feedback Tool: A better way to submit bugs
Posted 1 month ago
- A World of Samples at your Fingertips
Posted 2 months ago
- Visual Studio Express 2012 for Windows Desktop
Posted 2 months ago

Live Now on Developer Tools Blogs

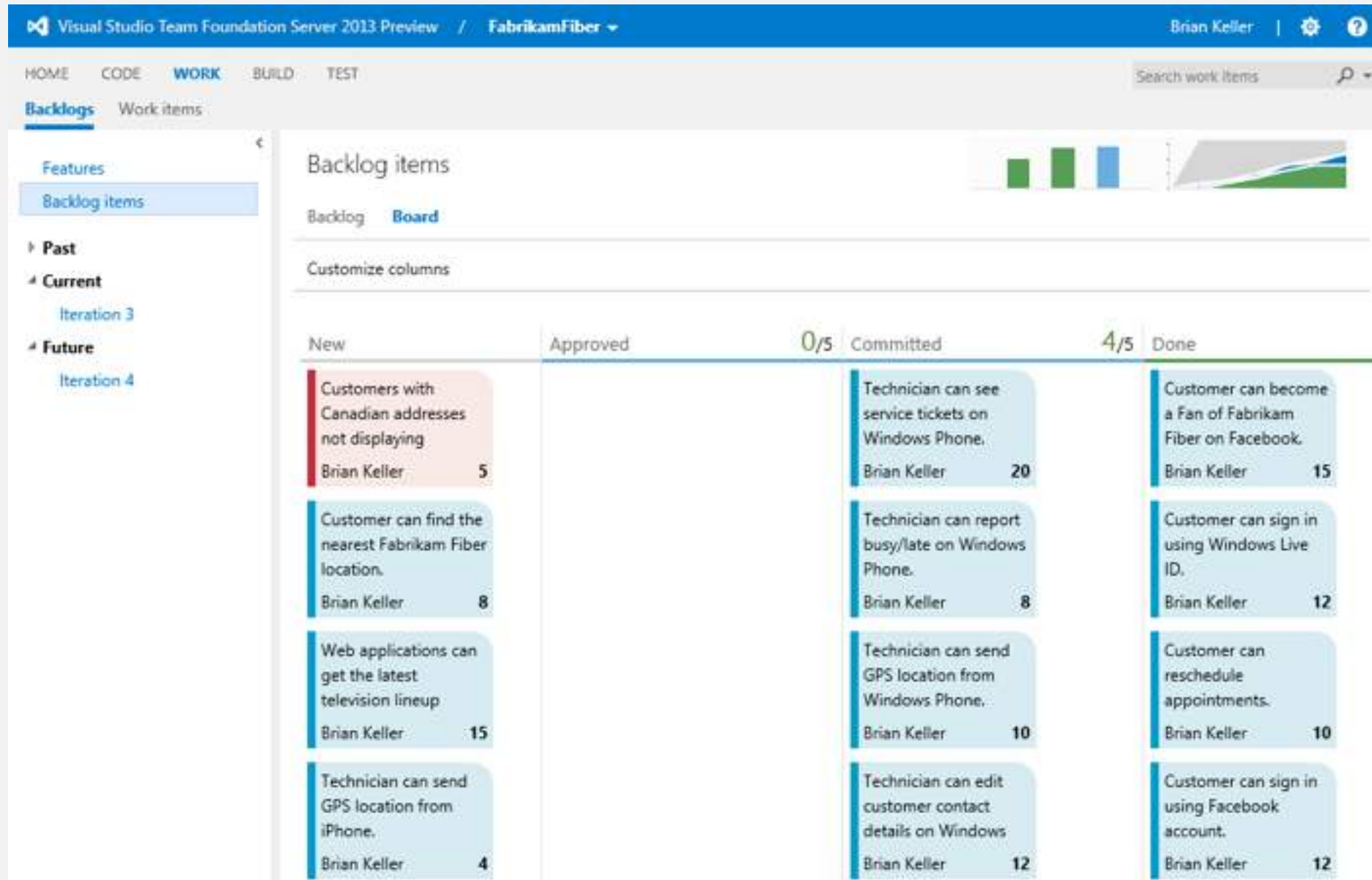
Compiler Bugs Fixed in Visual Studio 2012

Launching the Feedback client from a Windows 8 application using Team Foundation Server Preview

Tiny Happy Features #2 - ASP.NET Web API in Visual Studio 2012

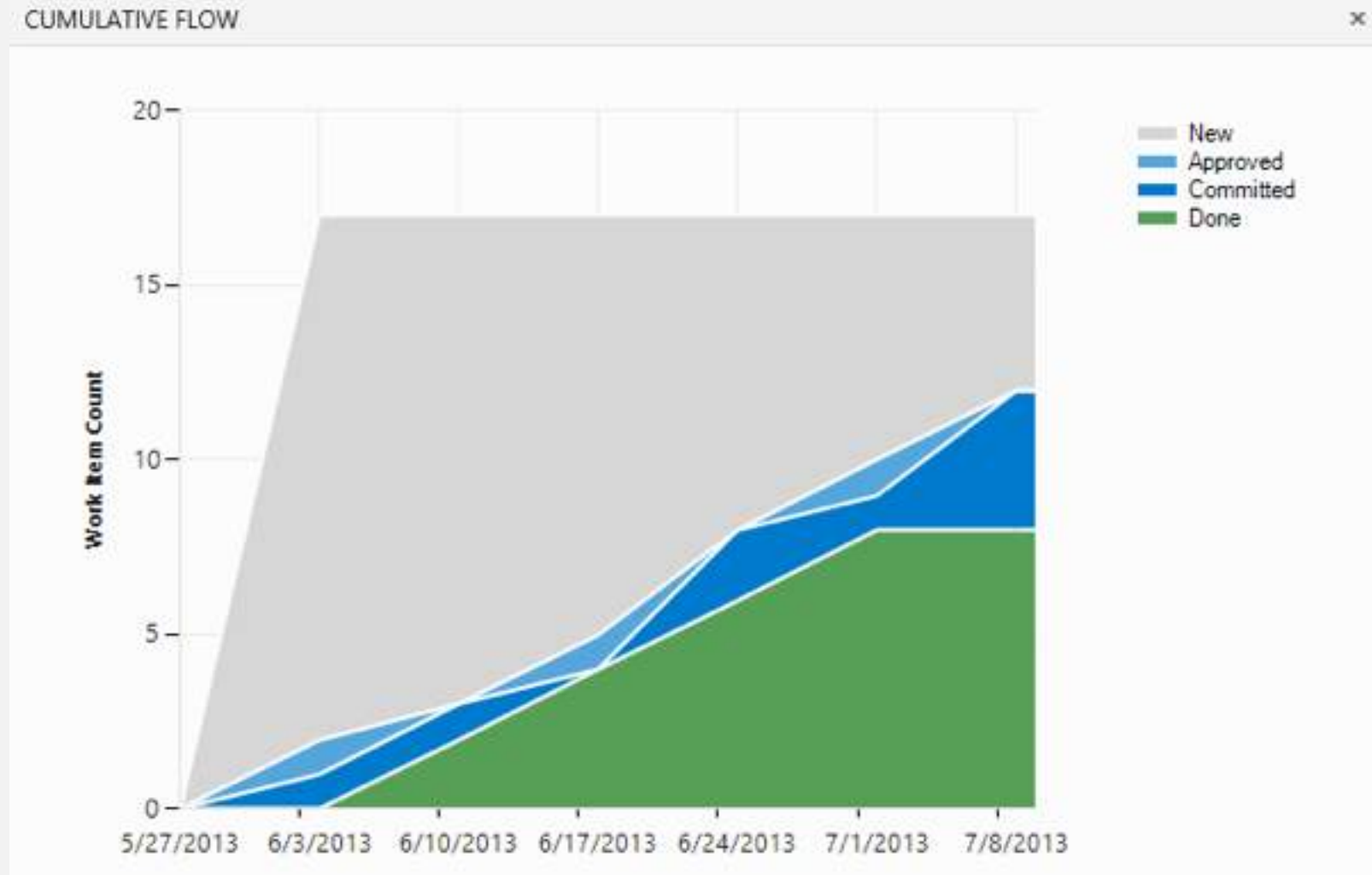
Kanban Board

Update 1



Cumulative Flow Diagram

Update 1



What is Team Foundation Server?

Planning • SCM • Work Item Tracking • Testing and Lab Management • Build Automation • Reporting and Analysis

TF Service details & subscriber benefits

Free Plan for up to 5 users

- ✓ Unlimited number of projects
- ✓ Version control
- ✓ Work item tracking
- ✓ Agile planning tools
- ✓ Build (limits apply)

Included for specified paid MSDN subscribers:



Additional information at <http://tfs.visualstudio.com>

Visual Studio Editions

Visual
Studio
Ultimate

Visual
Studio
Premium

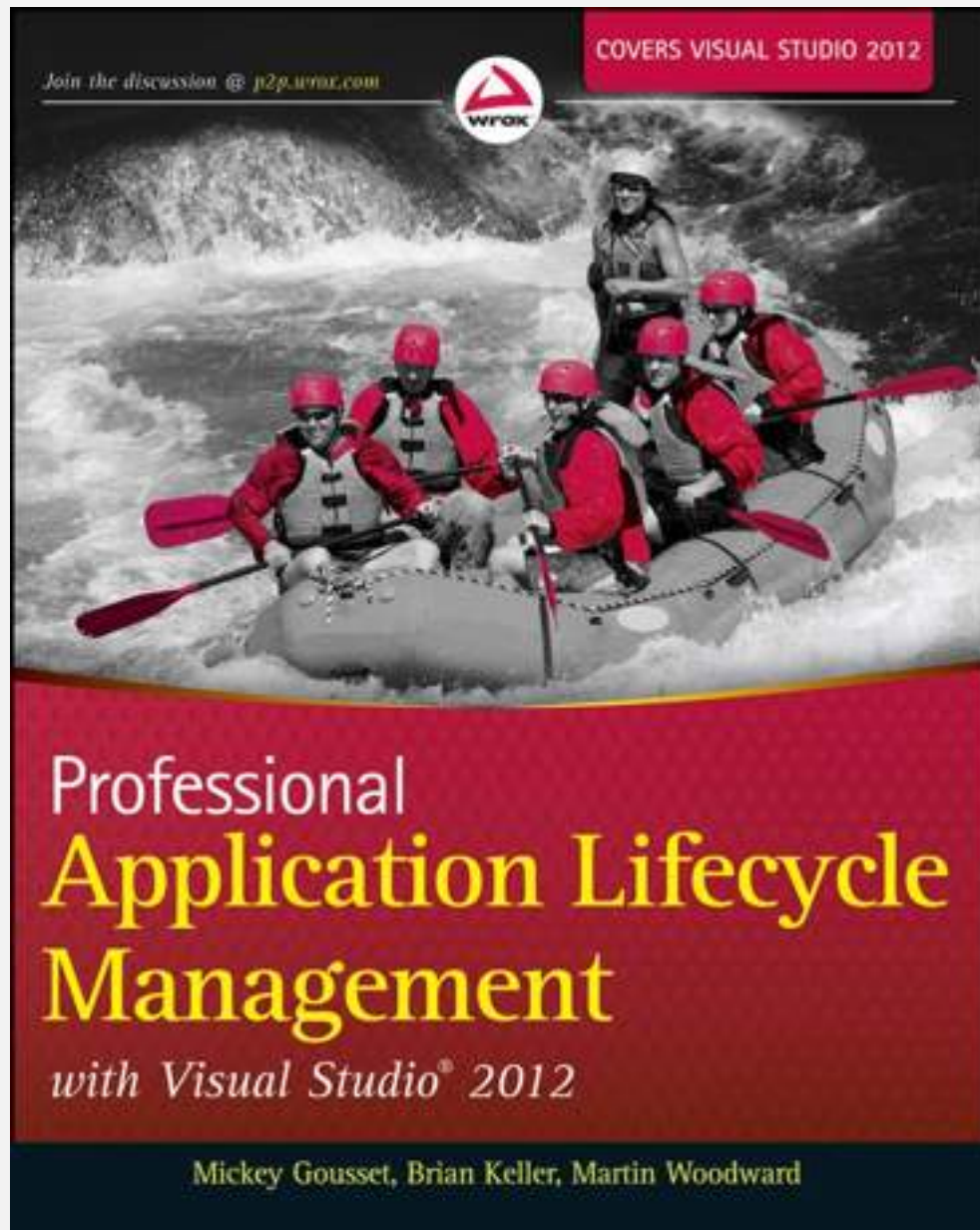
Test
Professional

Visual
Studio
Professional

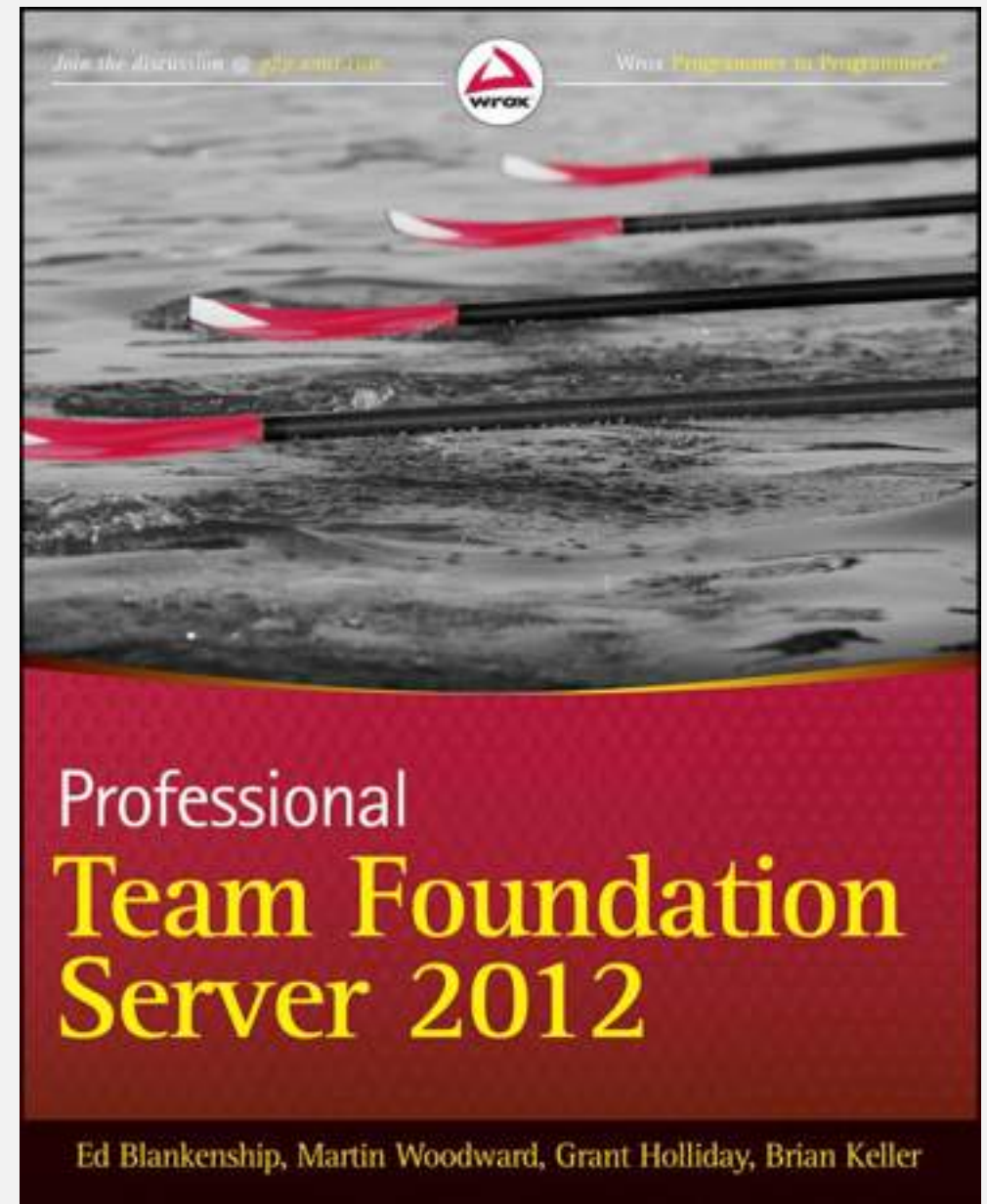
M S D N S u b s c r i p t i o n

Visual Studio Pro available without MSDN

Learn more: <http://aka.ms/VSCompare>



<http://tinyurl.com/ALM2012>



<http://tinyurl.com/ProTFS2012>

Visual Studio Information Days

Visual Studio

Home Agenda Anmeldung Referenten Weitere Informationen

Aktuelle Termine

17.09.2013 - Böblingen

01.10.2013 - Unterschleißheim

29.10.2013 - Hamburg

26.11.2013 - Berlin

11.12.2013 - Frankfurt

Melden Sie sich gleich [hier](#) an.
Die Agenda der Veranstaltung finden sie [hier](#).
Eine Anreiseplanung finden Sie [hier](#).

VISUAL STUDIO INFORMATION DAYS

Mit der Entwicklungsplattform Visual Studio 2013 stellt Ihnen Microsoft eine ganzheitliche und integrierte Application Lifecycle Management (ALM) Lösung für Ihre Softwareentwicklung zur Verfügung, die Sie im gesamten Entwicklungsprozess mit ihren professionellen Tools unterstützt.

Visual Studio

ACCESS DEVELOP INTEGRATE

Office
Web Access
SharePoint
Team Explorer Everywhere

Version Control
Requirements Management
Project Management
Analytics

Customizable Processes
Build Automation
Test Case Management
End-to-End Traceability
Lab Management

Project Server
System Center
Windows Azure
SQL Server

TEAM FOUNDATION SERVER

EXTENSIBLE APIs

<http://www.event-team.com/events/visualstudio/>

Visual Studio Evolution 2013



<http://event-team.com/Events/vs-evolution-2013/>

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