A background image showing two hands, one from the left and one from the right, holding a glowing yellow rod. The hands are slightly blurred, suggesting motion. The rod is bright yellow and appears to be made of a translucent material.

# Проактивное управление проектами в среде Microsoft<sup>®</sup> Visual Studio<sup>®</sup> 2010 Дмитрий Андреев

Twitter: @dmandreev

# Development Leads and Leaders

1

## WHAT ARE THEY LIKE?

Software developers are problem solvers, tinkerers, artists and engineers all rolled up in one. No matter what they are building, there is some element of it—or all of it—that is new. They love their job when stuff they are getting something and their work is not fragmented. Development takes clear thinking time, so they don't want constant interruptions. Development leads understand this and don't want to bug their team constantly for updates.

2

## WHY ARE THEY HERE?

There has been a lot of buzz about agile development and they want to learn more. It would be great if it lived up to the promises to help them deliver projects more successfully, without focusing on being a project manager or inflicting a lot of work on the team. Many are in the process of adopting agile practices—Scrum in particular. They are looking for tools to help. Some in the audience may have already tried adopting agile practices, but they could be experiencing issues. They need tools, or have possibly started using tools, and they'd like to know why one toolset is better than another is.

3

## WHAT KEEPS THEM UP AT NIGHT?

Are they going to deliver a quality project on time? What do they need to know now to course correct and get there? What can they do to reduce the risk and be more sure of this? There are so many factors out of their control. Something unexpected always comes up every project cycle and they have to firefight to get through it. Many projects outright fail and don't deliver. This is one of their greatest concerns.

4

## HOW CAN YOU SOLVE THEIR PROBLEM?

Automation of simple tasks makes them happen (e.g., developer updates a work item, which updates a report). Planning tools help estimation and work allocation. Reporting tools boost certainly on delivery. Work item integration with Microsoft Project, and custom reports, 'open the kimono' to others. This results in less random requests of the team.

5

## WHAT DO YOU WANT THEM TO DO?

Try it out for themselves: play with the tools, pilot a small project on your team, drive a rollout in your team.

6

## HOW MIGHT THEY RESIST?

Team Foundation Server is too heavyweight: way too much to learn, too much stuff. It's not "Scrum" enough. Many tools are more scenario focused (with less flexibility), and have features like planning boards and task-boards. Where are those?

I've tried Scrum before in my org and it was a disaster. I don't want to do anything like that ever again.

7

## WHAT'S THE BEST WAY TO REACH THEM?

Honesty. This doesn't create world peace. Be clear about what it does and what it doesn't do. They love to know how other people were successful: our adopters, internal dog food efforts, how we rolled it out, how it can work for teams of all sizes. They will read books, and case studies more so than developers. They want to enhance themselves and not just write code.

*Target Audience*

# S2S: Situation to Solution

## 1 SITUATION

Successful software projects manifest themselves when teams work together. When a team has good communication and transparency, it tends to find problems sooner. Teams want to come to work and are excited about what they're building when things are going right. Those in the audience have heard that many successful projects are using agile techniques. They want to know if Visual Studio and Team Foundation Server mixed with agile can help bring success to their team. The bottom line is they want success but they don't want to spend tons of time managing projects. They really want to focus on getting work done.

## 2 PROBLEM

Simply put, project management has often been about magic formulas and predictions without regard for team dynamics. Detached individuals providing unrealistic schedules based upon inaccurate data. Add to that micromanagement and a disregard for the humans—they're people not resources. Finally, there's a general lack of good, integrated tools. This has made it difficult for the development leads and leaders to (a) plan accurately in order to deliver on time, (b) have visibility into the project as it is running to discover indicators of potential issues, and (c) easily report on project status and health during and after the project.

## 3 IMPLICATION

They can hear the sounds of the Agile Manifesto ringing in the ears. In the industry, we've found many ways get more work done. The Manifesto calls them out well: individuals over processes; working software over documentation; customer collaboration over contract negotiation; responding to change over following a plan. Whether they're doing agile or not, they ultimately want to focus on the people, both their team and customers. They want to ship working software on time. They want to start doing that today. But how?

## 4 SOLUTION

Visual Studio 2010 and Team Foundation Server enable you to easily plan projects. This integrated set of tools lets you leverage historical data so you can continuously improve your planning effort. They help you gain visibility into projects in flight. This provides easy discovery of indicators of potential issues. And, it lets you report on project status and health with an integrated application lifecycle management solution. This ensures you won't be disrupted, or disrupt others, in order to provide information about the project to key stakeholders.



# Счастливые команды создают великий софт



Качественные  
коммуникации  
Прозрачность  
Удовлетворенность



# Проектное управление



В общем это  
болезненно  
Не реальные  
сроки  
«Ресурсы» а не  
люди

# Не должно ли это быть ...

- **люди** а не процессы?
- **работающий софт** а не документация к продукту?
- **кооперация** а не согласование?
- **ответ изменениям** а не планирование?





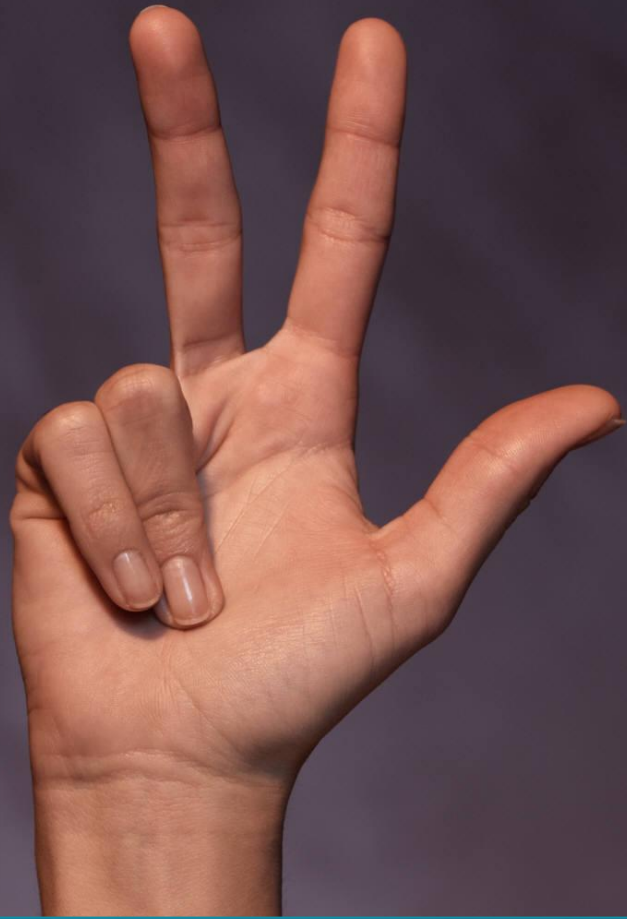
# Фундаментальные принципы



Фокус на людях  
Надежный софт  
Счастливые  
клиенты



# Visual Studio 2010 позволит вам...



- *Планировать* проекты с *уверенностью*
- *Вести* проекты с *большей прозрачностью*
- *Диагностировать* источник проблем и *исправлять курс* ваших проектов *прозрачно*

Iteration 3 Backlog - Microsoft Excel

Table Tools

Home Insert Page Layout Formulas Data Review View Developer Team Design

Get Work Items Links and Attachments Add Tree Level Team Foundation Help  
 Configure List Edit Areas and Iterations Add Child New Report  
 Choose Columns Work Items Tree Reports Help

N4

Project: Agile4 Server: tfs2010moss\DefaultCollection Query: Iteration 3 Backlog List type: Tree

| ID  | Work Item  | Stack | Title 1  | Title 2 | State  | Story Points | Assigned To        | Remaining Work | Completed Work |
|-----|------------|-------|--|---------|--------|--------------|--------------------|----------------|----------------|
| 54  | User Story | 1     | As a customer I want to customize my landing page            |         | Active | 5            | Sunder Raman       |                |                |
| 26  | Task       |       | Test all the login scenarios                                 |         | Active |              | Gregg Boer         |                | 3              |
| 27  | Task       |       | Add error handling to all navigation elements                |         | Active |              | Jeff Beehler       |                | 4              |
| 28  | Task       |       | Add transaction handling to all stored procedures            |         | Active |              | Aaron Bjork        |                | 5              |
| 29  | Task       |       | Run perf analysis on all database calls for login            |         | Active |              | Jeff Beehler       |                | 6              |
| 30  | Task       |       | Test the login screen  |         | Active |              | Jeff Beehler       |                | 5              |
| 56  | Task       |       | Test all the navigation from the main menu                   |         | Active |              | Stephanie Cuthbert |                | 4              |
| 9   | User Story | 2     | As a new customer I want log in so that I can use the system |         | Active | 8            | Sunder Raman       |                |                |
| 20  | Task       |       | Build the login screen                                       |         | Active |              | Aaron Bjork        |                | 6              |
| 21  | Task       |       | Add validation to the login screen                           |         | Active |              | Aaron Bjork        |                | 5              |
| 22  | Task       |       | Design the getting started screens                           |         | Active |              | Gregg Boer         |                | 4              |
| 23  | Task       |       | Build the welcome menu                                       |         | Active |              | Gregg Boer         |                | 6              |
| 24  | Task       |       | Build the getting started wizard                             |         | Active |              | Aaron Bjork        |                | 8              |
| 25  | Task       |       | Test the getting started wizard                              |         | Active |              | Aaron Bjork        |                | 8              |
| 33  | Task       |       | Stress test the login screen                                 |         | Active |              | Gregg Boer         |                | 3              |
| 34  | Task       |       | Build the help/more info screens                             |         | Active |              | Gregg Boer         |                | 8              |
| 15  | User Story | 4     | As a new customer I want sign up for delivery.               |         | Active | 3            | Aaron Bjork        |                |                |
| 124 | Task       |       | Design the deliver sign up page                              |         | Active |              | Aaron Bjork        |                | 4              |
| 125 | Task       |       | Build the delivery sign up page                              |         | Active |              | Aaron Bjork        |                | 3              |
| 126 | Task       |       | Build the delivery details screens                           |         | Active |              | Aaron Bjork        |                | 4              |
| 127 | Task       |       | Test the ability to sign up for delivery                     |         | Active |              | Aaron Bjork        |                | 2              |

Iteration Backlog Settings Interruptions Capacity Burndown

Ready

Планируйте  
более  
Аккуратно



# Планировать тяжело

- Оценка даже в лучшем случае это угадывание.
- Очень трудно понять сколько еще предстоит работы
- Неудачи в прогнозировании задержек

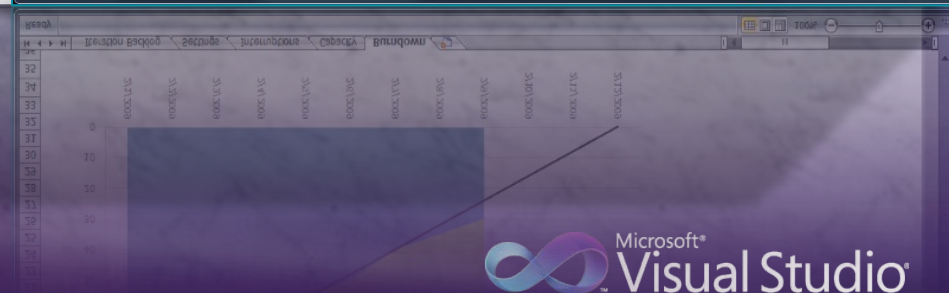
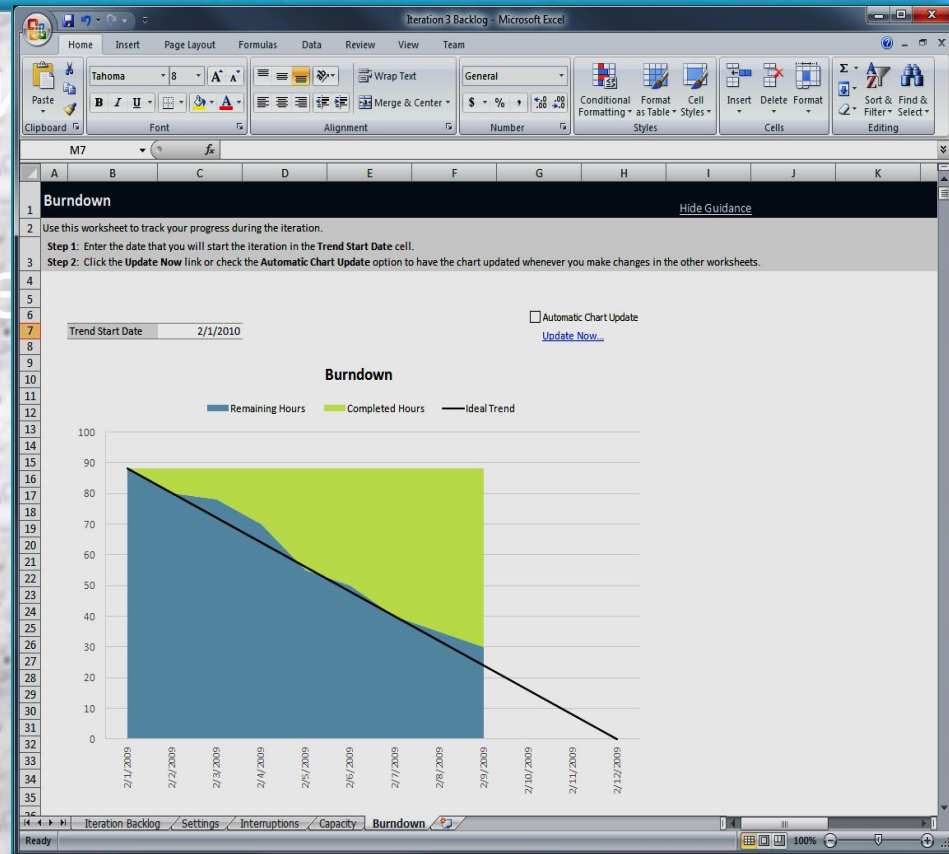




# Рабочая тетрадь

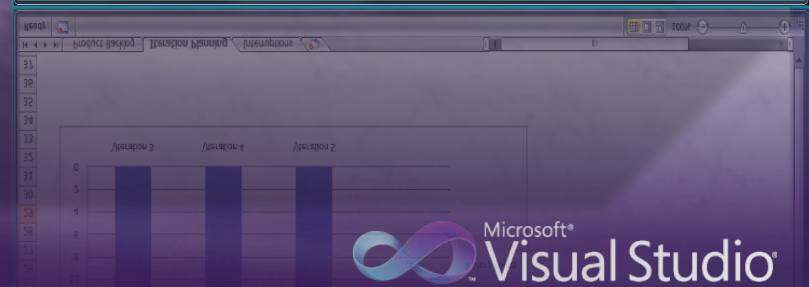
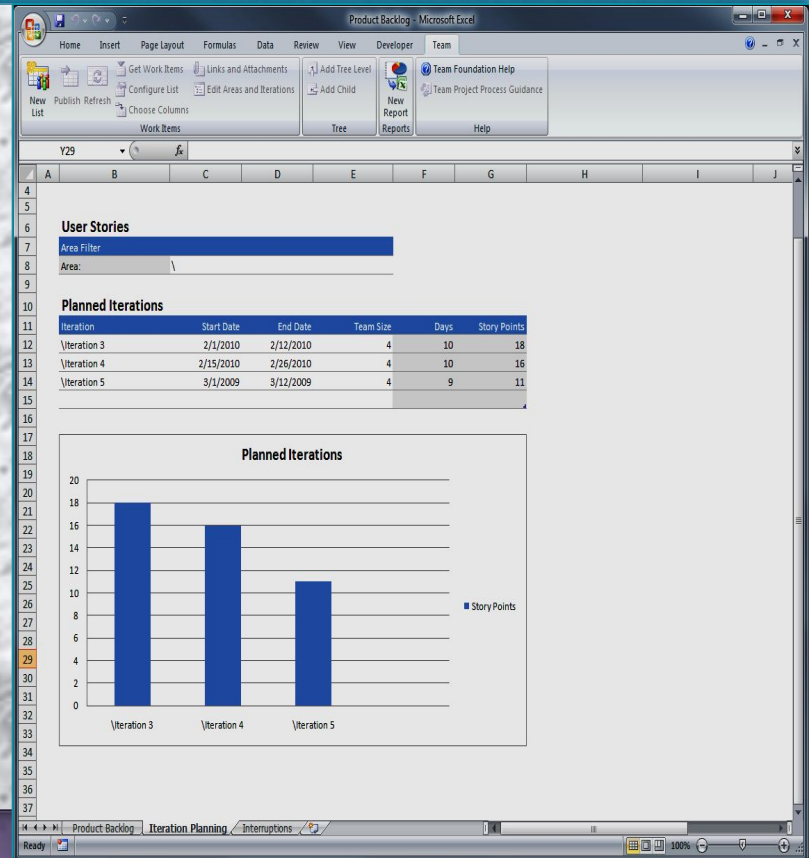
## планирования

- Поддержка Agile «мозговых» коробки».
- Создана на основе лучших практик.
- Два раздела:
  - Список задач всего проекта
  - Список задач итерации



# Список задач проекта

- Файл Excel.
- Интегрированный с Team Foundation Server.
- Позволяет вам легко вводить пользовательские сценарии





# Планирование итерации

- Сравнение текущего плана с предыдущими результатами.
- Позволяет легко балансировать на уровне команды.
- Включенные возможности по планированию прерываний.

Project: Agile4 Server: tfs2010moss/DefaultCollection Query: Iteration 3 Backlog List type: Tree

| ID | Work Item     | Stack | Title 1   | Title 2 | State  | Story Points | Assigned To        | Remaining Work | Completed Work |
|----|---------------|-------|---|---------|--------|--------------|--------------------|----------------|----------------|
| 3  | 54 User Story | 1     | As a customer I want to customize my landing page     |         | Active |              | 5 Sunder Raman     |                |                |
| 4  | 26 Task       |       | Test all the login scenarios                          |         | Active |              | Gregg Boer         |                | 3              |
| 5  | 27 Task       |       | Add error handling to all navigation elen             |         | Active |              | Jeff Beehler       |                | 4              |
| 6  | 28 Task       |       | Add transaction handling to all stored pr             |         | Active |              | Aaron Bjork        |                | 5              |
| 7  | 29 Task       |       | Run perf analysis on all database calls fo            |         | Active |              | Jeff Beehler       |                | 6              |
| 8  | 30 Task       |       | Test the login screen                                 |         | Active |              | Jeff Beehler       |                | 5              |
| 9  | 56 Task       |       | Test all the navigation from the main me              |         | Active |              | Stephanie Cuthbert |                | 4              |
| 10 | 9 User Story  | 2     | As a new customer I want log in so that I can use the |         | Active |              | 8 Sunder Raman     |                |                |
| 11 | 20 Task       |       | Build the login screen                                |         | Active |              | Aaron Bjork        |                | 6              |
| 12 | 21 Task       |       | Add validation to the login screen                    |         | Active |              | Aaron Bjork        |                | 5              |
| 13 | 22 Task       |       | Design the getting started screens                    |         | Active |              | Gregg Boer         |                | 4              |
| 14 | 23 Task       |       | Build the welcome menu                                |         | Active |              | Gregg Boer         |                | 6              |
| 15 | 24 Task       |       | Build the getting started wizard                      |         | Active |              | Aaron Bjork        |                | 8              |
| 16 | 25 Task       |       | Test the getting started wizard                       |         | Active |              | Aaron Bjork        |                | 8              |
| 17 | 33 Task       |       | Stress test the login screen                          |         | Active |              | Gregg Boer         |                | 3              |
| 18 | 34 Task       |       | Build the help/more info screens                      |         | Active |              | Gregg Boer         |                | 8              |
| 19 | 15 User Story | 4     | As a new customer I want sign up for delivery.        |         | Active |              | 3 Aaron Bjork      |                |                |
| 20 | 124 Task      |       | Design the deliver sign up page                       |         | Active |              | Aaron Bjork        |                | 4              |
| 21 | 125 Task      |       | Build the delivery sign up page                       |         | Active |              | Aaron Bjork        |                | 3              |
| 22 | 126 Task      |       | Build the delivery details screens                    |         | Active |              | Aaron Bjork        |                | 4              |
| 23 | 127 Task      |       | Test the ability to sign up for delivery              |         | Active |              | Aaron Bjork        |                | 2              |



# Демонстрация: Agile Workbooks

Iteration 3 Backlog [Results]\* - Microsoft Visual Studio

File Edit View Build Team Tools Window Help

New Work Item

Task 28\* Iteration 3 Backlog [Results]\*

Save Results Refresh Open in Microsoft Office Edit Query Column Options

Query Results: 21 items found (3 top level, 18 linked items, 1 currently selected).

| ID | Work Item... | Title  | State  | Assigned To   | Remainin... | Complete... |
|----|--------------|--|--------|---------------|-------------|-------------|
| 54 | User Story   | As a customer I want to customize my landing page          | Active | Sunder Raman  |             |             |
| 26 | Task         | Test all the login scenarios                               | Active | Gregg Boer    | 3           |             |
| 27 | Task         | Add error handling to all navigation elements              | Active | Jeff Beehler  | 4           |             |
| 28 | Task         | Add transaction handling to all stored procedure calls     | Active | Aaron Bjork   | 3           | 2           |
| 29 | Task         | Run perf analysis on all database calls for main scenarios | Active | Jeff Beehler  | 6           |             |
| 30 | Task         | Test the login screen                                      | Active | Jeff Beehler  | 5           |             |
| 56 | Task         | Test all the navigation from the main menu                 | Active | Stephanie Cut | 4           |             |

Save Work Item Previous Next

Task 28 (Modified): Add transaction handling to all stored procedure calls

Title: Add transaction handling to all stored procedure calls Activity:

Status

Assigned To: Aaron Bjork

State: Active

Reason: New

Planning

Stack Rank: Priority: 2

Classification

Area: Agile4

Iteration: Agile4\Iteration 3

Effort (Hours)

Original Estimate: 5 Remaining: 3 Completed: 2

Details Implementation All Links Attachments

Description:

Include transaction handling on all the stored procedures which insert, update, or delete data.

Please update this task with the name of the sproc when complete.

History:

Type your comment here.

- 9/21/2009 7:27:54 AM Edited by Aaron Bjork
- 9/14/2009 8:10:46 AM Edited by Aaron Bjork
- 9/11/2009 7:11:27 AM Edited by Aaron Bjork
- 9/3/2009 6:55:25 AM Edited by Aaron Bjork

Item(s) Saved

# Выполняйте проекты Прозрачно

Item(s) Saved

Microsoft

Предвидение – это  
искусство видеть то что не  
видно другим.

Джонатан Свифт.



# Правильные средства



Отслеживайте прогресс  
зная чем занимается  
ваша команда.

Собирайте данные  
постоянно.

Средства не должны  
быть обузой в ваших  
процессах.

# Отслеживание задач

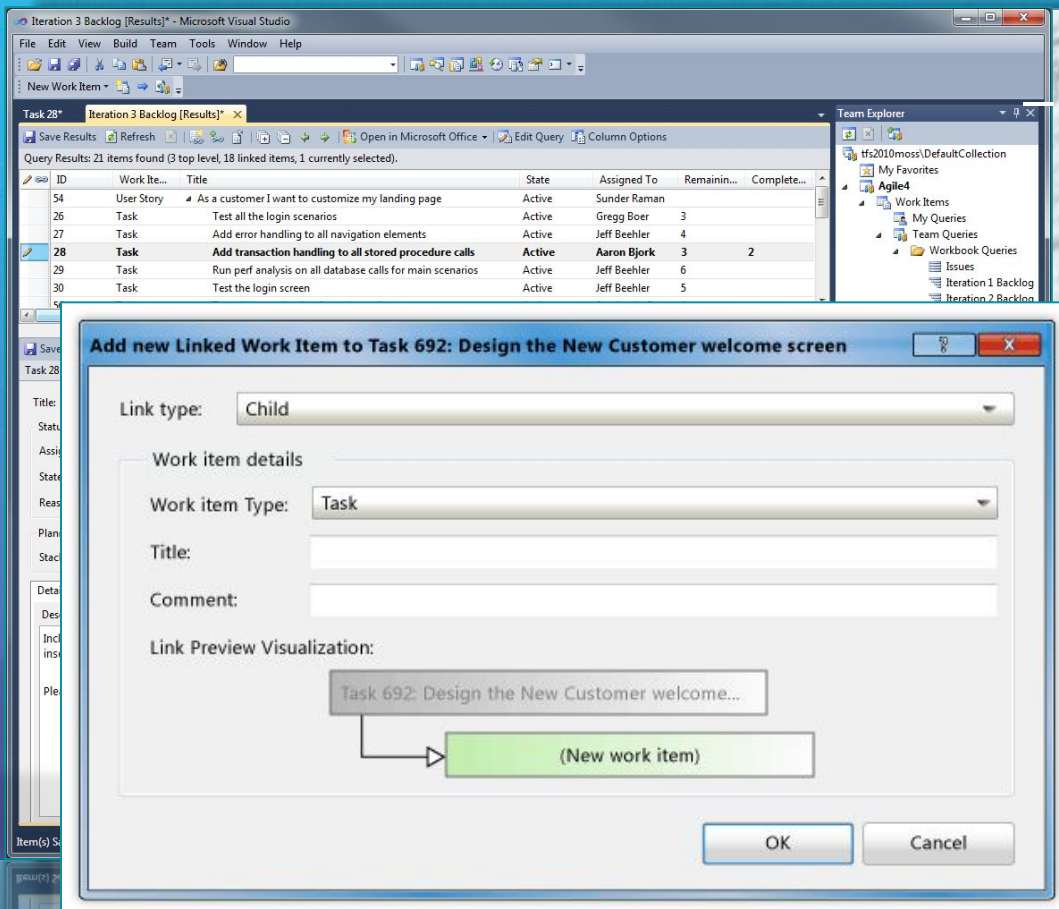


- Рабочие элементы интегрированы в весь процесс.
- Задачи и их статусы меняются с каждым действием
  - Изменения в коде, сборка проекта, и.т.д.
- Автоматические отчеты по прогрессу.

# Всё взаимосвязано

Рабочие элементы предоставляют возможность отследить все связи.

Отношения выявляют ранние индикаторы проблем.





# Управляйте работой где УДОБНО

The image displays four overlapping screenshots of the Microsoft Visual Studio 2010 interface, illustrating various tools for managing work.

- Leftmost screenshot:** Shows the Visual Studio IDE with the Solution Explorer on the left, displaying a project structure for 'Agile4'. The 'Team Explorer' pane on the right shows a list of work items, including 'Bug', 'User Story', 'Issue', and 'Task'.
- Second screenshot from left:** Shows the 'My Dashboard' view, which provides a central hub for accessing various tools and reports. It includes sections for 'Team Web Access', 'Dashboards', 'My Tasks', 'My Bugs', and 'My Test Cases'.
- Third screenshot from left:** Shows the 'Task Backlog' view, which displays a list of tasks. The table below shows the data for the tasks listed in the screenshot.
- Rightmost screenshot:** Shows the 'Task Details' view for a specific task (Task 28). It includes fields for 'Title', 'Status', 'Assigned To', 'State', 'Reason', 'Planning', 'Stack Rank', 'Priority', 'Classification', 'Area', 'Iteration', 'Effort (Hours)', 'Original Estimate', 'Remaining', and 'Completed'. It also includes a 'Description' field and a 'History' section.

| ID | Work Item... | Title  | State  | Assigned To    | Remain... | Complete... |
|----|--------------|--|--------|----------------|-----------|-------------|
| 54 | User Story   | As a customer I want to customize my landing page          | Active | Sunder Raman   |           |             |
| 26 | Task         | Test all the login scenarios                               | Active | Gregg Boer     | 3         |             |
| 27 | Task         | Add error handling to all navigation elements              | Active | Jeff Beehler   | 4         |             |
| 28 | Task         | Add transaction handling to all stored procedure calls     | Active | Aaron Bjork    | 3         | 2           |
| 29 | Task         | Run perf analysis on all database calls for main scenarios | Active | Jeff Beehler   | 6         |             |
| 30 | Task         | Test the login screen                                      | Active | Jeff Beehler   | 5         |             |
| 56 | Task         | Test all the navigation from the main menu                 | Active | Stefhanie C... | 4         |             |

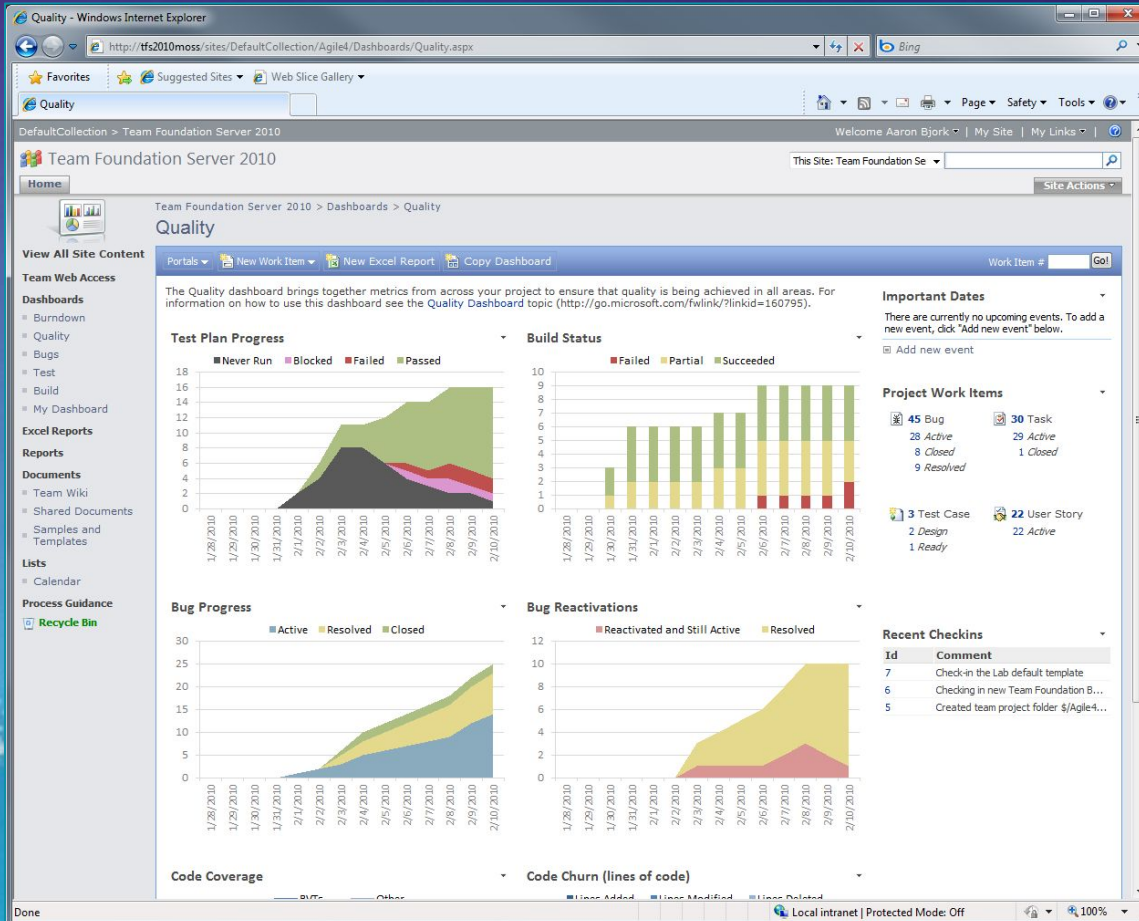
| ID | Priority |
|----|----------|
| 24 | 2        |
| 25 | 2        |
| 28 | 2        |

| ID  | Priority |
|-----|----------|
| 39  | 1        |
| 43  | 1        |
| 102 | 1        |
| 47  | 1        |
| 101 | 2        |
| 103 | 2        |
| 44  | 3        |

| Date      | Time       | Edited by   |
|-----------|------------|-------------|
| 9/21/2009 | 7:27:54 AM | Aaron Bjork |
| 9/14/2009 | 8:10:46 AM | Aaron Bjork |
| 9/11/2009 | 7:11:27 AM | Aaron Bjork |
| 9/3/2009  | 6:55:25 AM | Aaron Bjork |

# Демонстрация: Рабочие элементы повсеместно



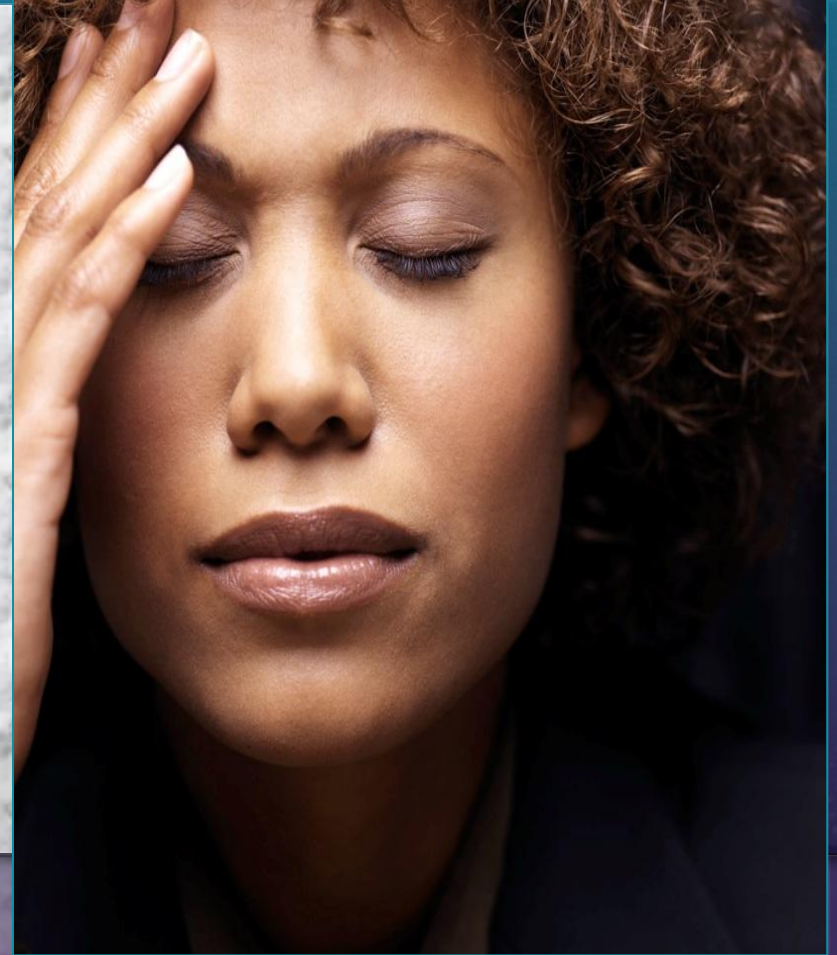


Проверяйте  
проекты  
прозрачно

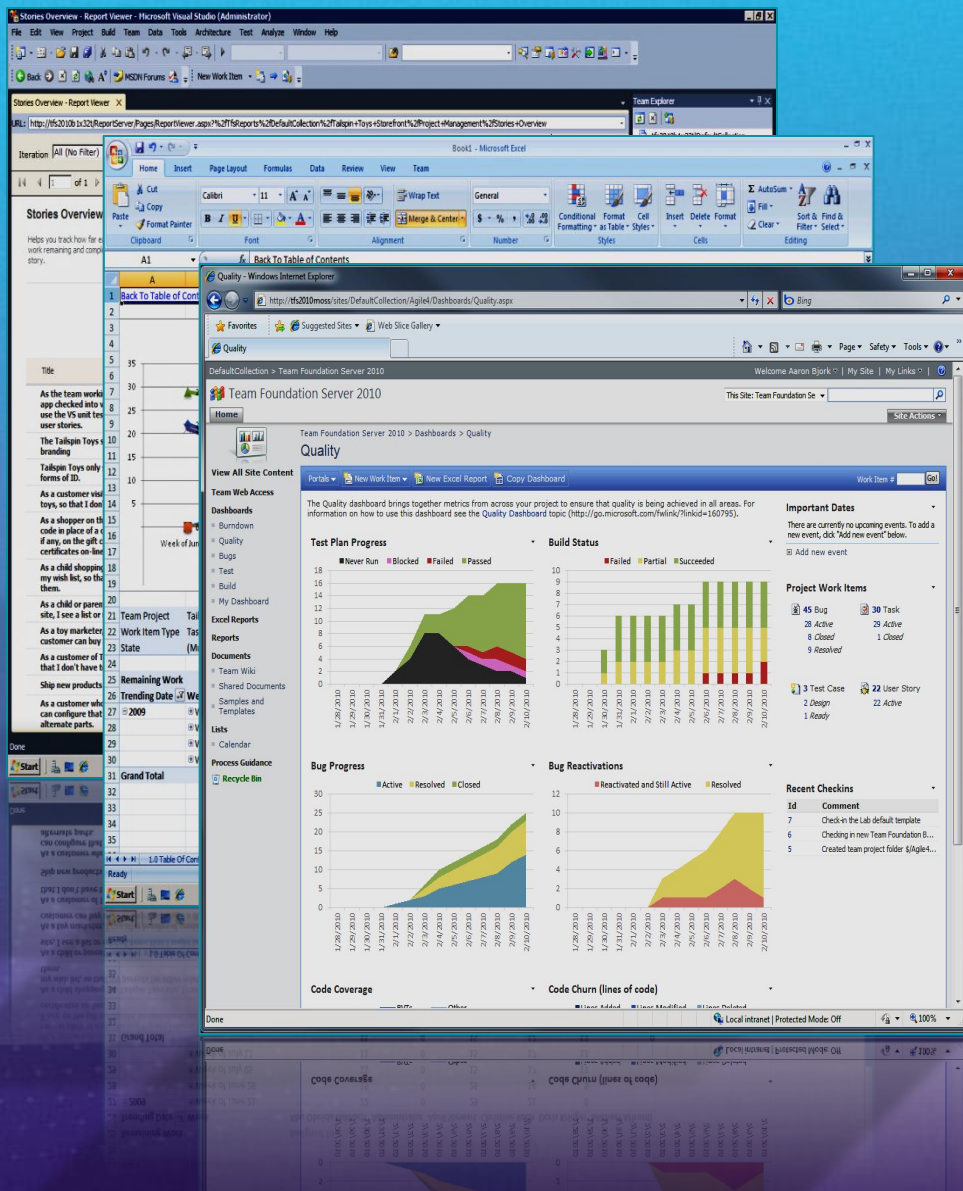


# Что только что случилось?

- Составление отчетов сложная и длительная задача.
- Необходимые данные трудно собрать и еще труднее понять.
- Вы не должны быть аналитиком данных чтобы отчитаться по прогрессу.



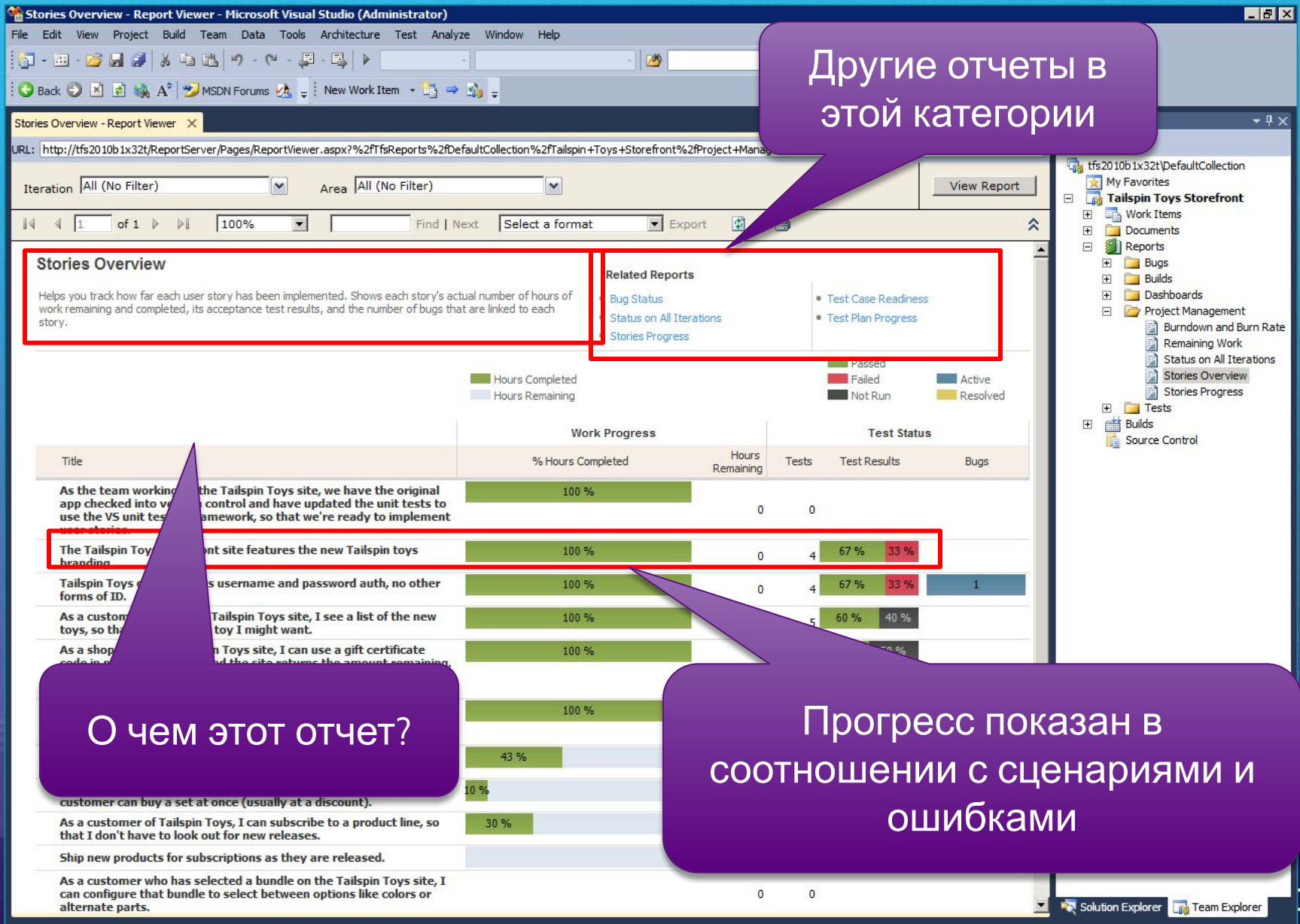
# Работающие средства



- SQL Server 2008 Reporting Services из коробки
- Функциональность!
- Отчеты Excel на основе рабочих элементов
- Быстрота!
- Индикаторы производительности SharePoint
- Прозрачность!



# Отчеты на базе SQL Server Reporting Services





# Отчеты Rich SQL Server Reporting Services

**Вопросы на которые отвечает этот отчет**

**Дополнительные параметры для уточнения деталей**

**Насколько актуален этот отчет?**

**Questions This Report Helps Answer**

- How much work does each story require?
- How much work has the team completed for each story?
- Are the tests for each story passing?
- How many active bugs does each story have?

**How to Use This Report**

**Parameter Values**

Iteration: A

Area: A

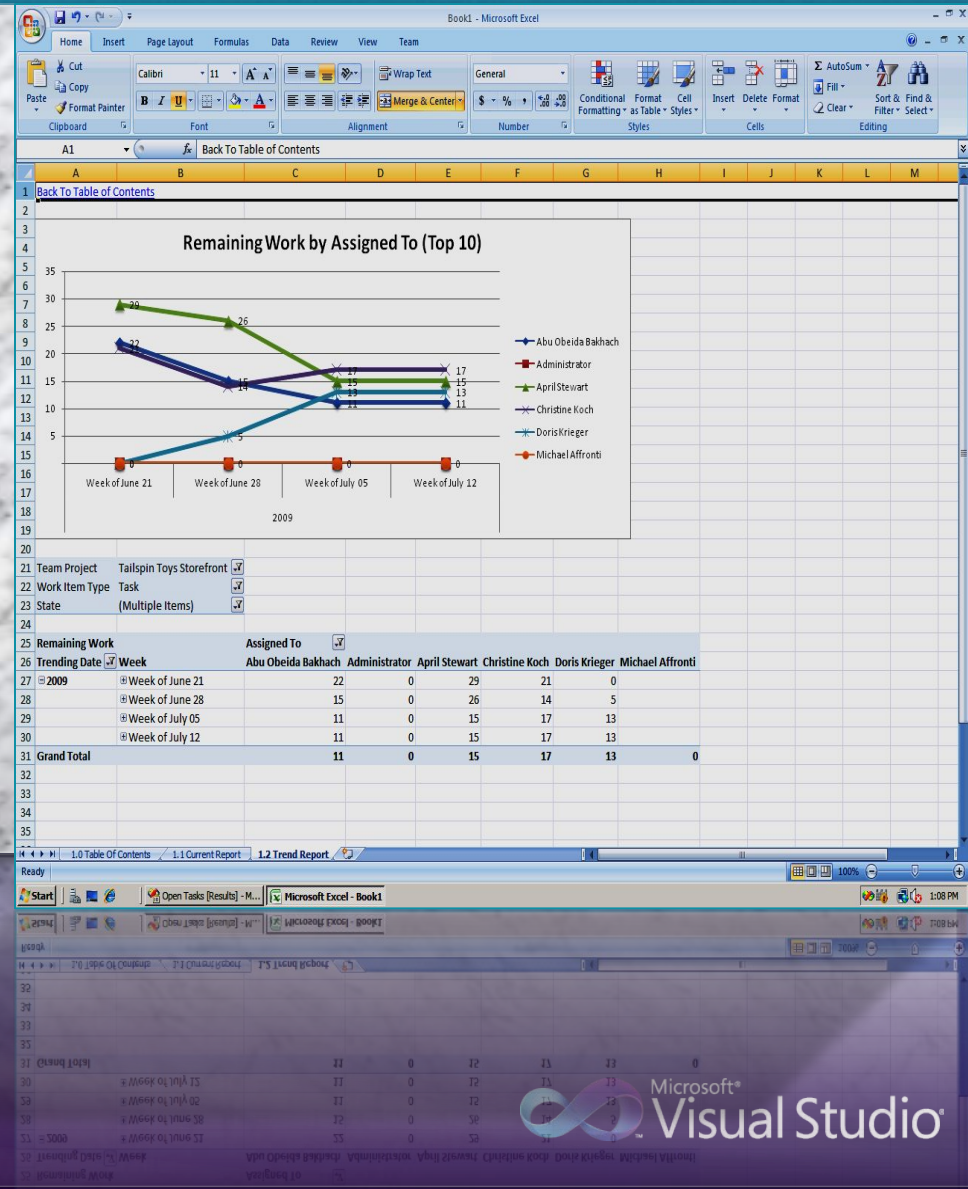
Generated: 9/24/2009 8:34:03 PM

By: TFS2010B1X32T\Administrator

Warehouse Update: 9/24/2009 8:08:24 PM

# Отчеты на базе Excel

- Простые в использовании средства.
- Низкие затраты
- Знакомый инструмент
- Легко менять





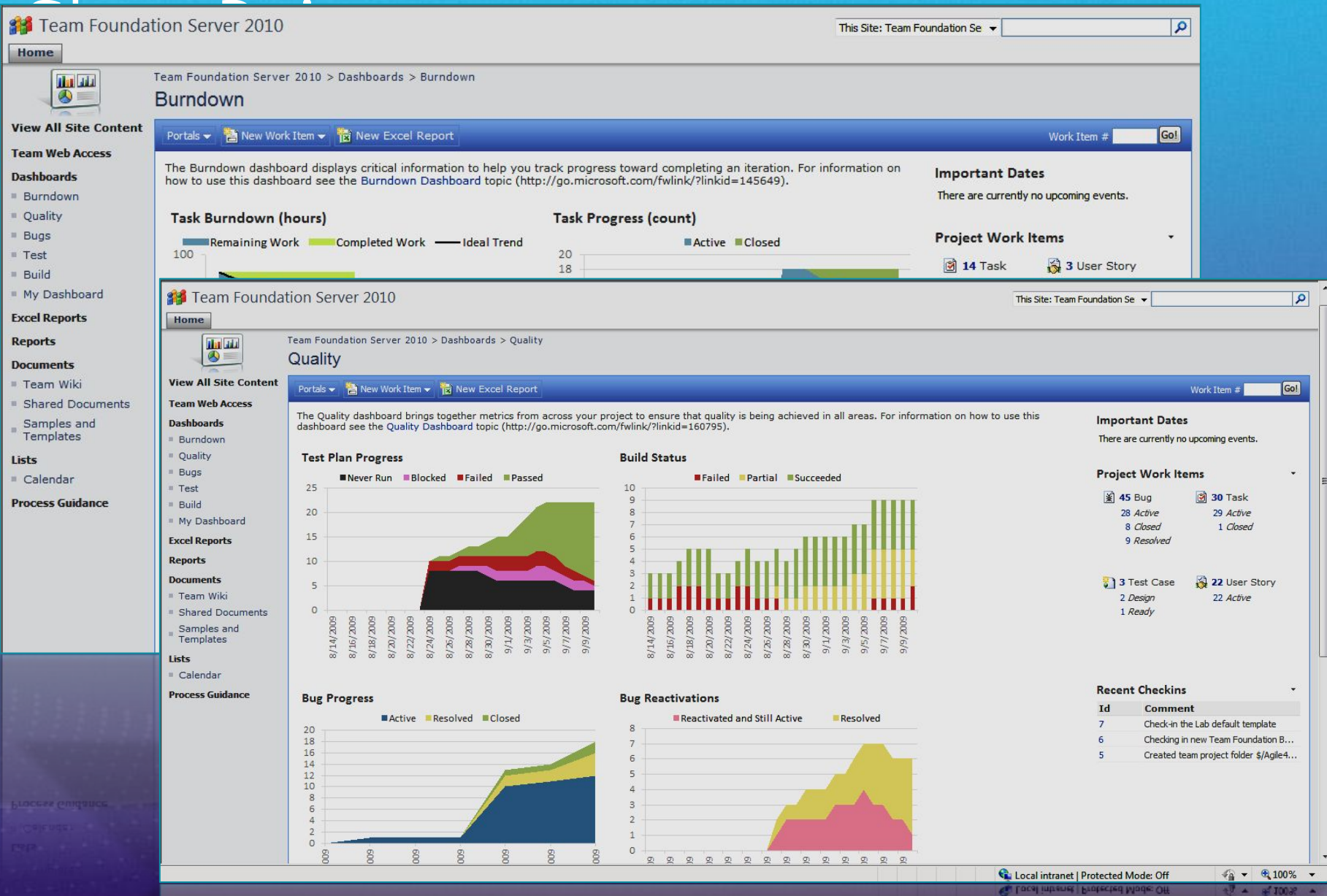
# Информационные панели SharePoint

- Выбирайте...
  - SharePoint Foundation
  - SharePoint Server
- Готовые панели из коробки.
- Настраиваемые и позволяющие создавать новые.





# Информационные панели



# Как дела?

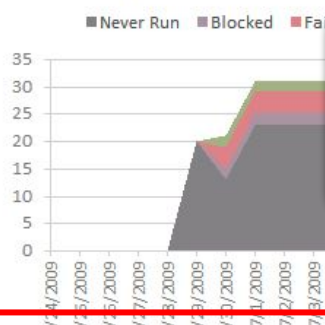
Какой у нас прогресс по тестовым планам?

Готовы ли мы выпустить продукт?

Исправляем ли мы ошибки?

Насколько хорошо мы исправляем ошибки?

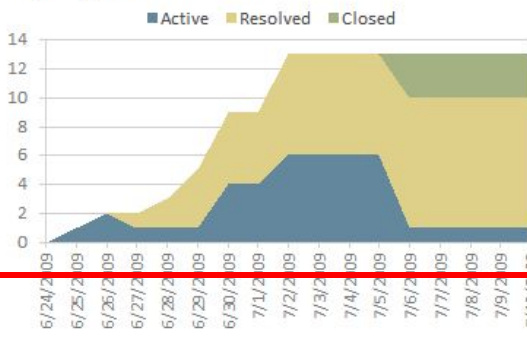
Test Plan Progress



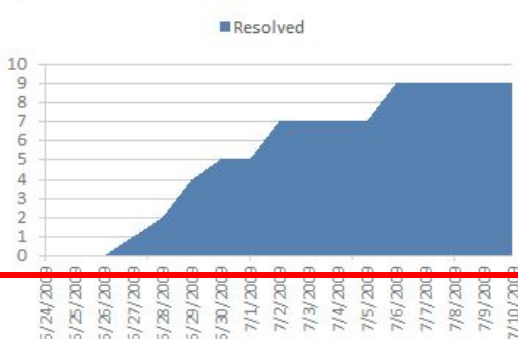
Build Status



Bug Progress



Bug Reactivations



Important Dates

There are currently no upcoming events. To add a new event, click "Add new event" below.

66 Task  
18 Active  
48 Closed

25 Test Case  
25 Design  
15 User Story  
9 Active  
6 Closed

Recent Builds

| Name                              |
|-----------------------------------|
| 37                                |
| Continuous Integration_2009070... |
| Continuous Integration_2009070... |
| Storefront I2 Nightly_20090708.1  |
| Continuous Integration_2009070... |

Recent Checkins

| Id | Comment |
|----|---------|
| 19 | Comment |

# Демонстрация: Отчетность



# Visual Studio 2010 позволит вам...

- *Планировать* проекты с *уверенностью*
- *Вести* проекты с *большей прозрачностью*
- *Диагностировать* источник проблем и *исправлять курс* ваших проектов *прозрачно*

# Вопросы?

# Заполните анкету!

- Анкеты Вы можете получить на выходе из зала.
- В анкете пишутся доклады одного трека.
- Вы можете взять анкеты за каждый трек и поставить оценки за те доклады, на которых Вы присутствовали.
- Нам важна Ваша оценка!



# **Microsoft<sup>®</sup>**

*Your potential. Our passion.<sup>®</sup>*

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