

Visual Studio Team System

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Team of peers



Team Foundation Server

- Project Templates
- Version Control
- Work Item Tracking
- Team Portal
- Team Foundation Build
- Team Reporting
- Project Management
- Team Explorer

Demo



Шаблоны: MSF Agile, CMMI

Встроенная методология разработки ПО

- Поддержка быстрого (Agile) и детального (CMMI) процессов.
- Настройка проекта
- Каждый проект может иметь свой шаблон
- Поддержка шаблонов от сторонних компаний и партнеров

Project Portal

Overview Roles Work Items Index Glossary

Concepts

Cycles and Iterations Principles

Visual Studio Team System 2005

Process Guidance

Microsoft Solutions Framework (MSF) Agile is the process guidance for the current Team Project. This page introduces key concepts.

Team System

Team System provides tools that you can use to enact the MSF guidance.

Users and Groups


Team members log in as Users. Users belong to Groups, which enforce security privileges, and can be used to implement Roles.

Work Item Database and Metric Warehouse

Everything planned or tracked for the Team Project is managed in a database. Those records are called work items. They can track the state of activities or tasks within them.

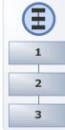
Roles

Team members assume one or more Roles.



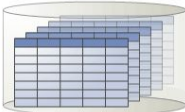
Work Streams and Activities

Roles do activities, which are grouped in Work Streams. Activities may produce certain Work Products and may require Work Products in certain states before they can be performed.




Work Products

Work Products are the documents, spreadsheets, project plans, source code, and other intangible output from the activities.



Queries and reports let you track your Project status health in real time.



Source Control and Project Portal

Team Foundation Source Control stores some of the Work Products, such as source code and text. The rest, such as documents, spreadsheets, and project plans are stored on the Project Portal. Spreadsheets and Project Plans may be linked to the Work Item Database.

Legal stuff : More legal : Blah blah blah

Demo

Изменение шаблона



Work Items

Work Item – общий термин для объекта информации в процессе разработки ПО. Примеры: Баг, Рабочее задание, SLA, Спецификация, Сценарий

- Встроен IDE
- Настраиваемый, может включать любую необходимую компании информацию
- Настраиваемый поток оборота, состояния, и нотификации
- Включает шаблоны процессов, т.е. разные проекты могут следовать общей методологии

The screenshot displays a web-based interface for tracking work items. The window title is 'Task 49: Create Vision Statement'. The main form includes the following fields:

- Title:** Create Vision Statement
- Type:** Analysis
- Classification:**
 - Area path:** KenTest
 - Iteration path:** KenTest\Iteration 0
- Status:**
 - Assigned to:** (empty)
 - Blocked:** No
 - Priority:** 3
 - State:** Closed
 - Severity:** Low
 - Reason:** Complete and Does Not Require Review/Test
 - Triage:** Pending

Below the form is a 'History' tab with a list of events:

- 12/20/2005 10:19:50 AM Edited (Active to Closed) by [user] (Show Changed Fields)
- 12/8/2005 1:21:25 PM Edited (Proposed to Active) by [user] (Show Changed Fields)
- 12/5/2005 1:56:29 PM Created by [user] (Show Changed Fields)

Microsoft Excel - All Items.xls

Title	Kind	State	Priority
Instore pickup: Customers should be able to pickup their online orders in a retail store.	Requirement	Active	1
Store locator: The website should provide the store locator functionality.	Requirement	Active	1
Store search: Customers can locate a store by City, State, Zip Code	Requirement	Active	1
Store Map: The website should assist the customer with map and driving directions to the store of their choice	Requirement	Active	1
Store inventory: Customers should be able to check inventory by store or a store within a specified radius.	Requirement	Active	1
Hold inventory: The website should allow customers to reserve inventory for 4 days	Requirement	Active	1
Confirmation: Customers should be notified upon the completion of the sale	Requirement	Active	1

Создание work items в Microsoft Excel

Присваивание ресурсам work items через Microsoft Project

Microsoft Project - All Items.mpp

Work Item ID	State	Task Name	Duration	Finish	Resource Names
1	Active	Development	3 days	Wed 4/28/04	Art Benson(6%)
2	Active	Design instore pickup, store locator and inventory services	2 days	Tue 4/27/04	Art Benson
3	Active	Identify implementation tasks for new services	1 day	Wed 4/28/04	Art Benson
4	Active	Testing	13 days	Mon 5/17/04	Renee Davis(6%)
5	Active	Scenario Tests	10 days	Wed 5/12/04	Renee Davis
6	Active	Test Instore pickup: Customers should be able to pickup their online orders in a retail st	3 days	Mon 5/3/04	Renee Davis
7	Active	Test Store locator: The website should provide the store locator functionality.	1 day	Tue 5/4/04	Renee Davis
8	Active	Test Store search: Customers can locate a store by City, State, Zip Code	1 day	Wed 5/5/04	Renee Davis
9	Active	Test Store Map: The website should assist the customer with map and driving directio	1 day	Thu 5/6/04	Renee Davis
10	Active	Test Store inventory: Customers should be able to check inventory by store or a store	1 day	Fri 5/7/04	Renee Davis

Microsoft Development Environment

Portfolio Explorer

Adventure Works

My Favorites

Tour Package Services v2.0

Tour Package Services v2.1

Work Item Queries

Public Queries

Active Items

All Items

My Active ...

My Items

All Bugs ...

All My Bug ...

Documents

Reports

Private Queries

Source Code

Advanced Query

ID	Status	Priority	Title	Kind
xxxxxx	Active	1	Instore pickup: Customers should be able to pick...	Requirement
xxxxxx	Active	1	Store locator: The website should provide the st...	Requirement
xxxxxx	Active	1	Store Search: Customers can locate a store by ...	Requirement
xxxxxx	Active	2	Store Map: The website should assist the custo...	Requirement
xxxxxx	Active	1	Store Inventory: Customer with map and driv...	Requirement
xxxxxx	Active	2	Hold Inventory: The website should allow custom...	Requirement
xxxxxx	Active	2	Confirmation: Customers should be notified up...	Requirement

Query Results: 7 results found

State: Active

Reason: New

Assigned To: JacquiAckerman

Kind: Requirement

Opened by JacquiA (Task 55559)

Donec posere dui eu erat lobortis commodo. Nunc sit amet purus quis tellus venen et ante. Nulla feugiat ante ut augus. Nunc egestas turpis vel nulla.

Work items в Visual Studio

Microsoft Excel - PhaseView

Title	Phase	Iteration	Status	Reason	Priority	Process	Docs	Reports
Activate	Plan	11	Open	Resolution Confirmed	1	PG	Project Structure	
Identify & Assign Team Resources	Plan	11	Closed	Resolution Confirmed	1	PG	Vision Scope	
Validate objectives	Plan	11	Closed	Resolution Confirmed	1	PG	Requirements	Reqmnts By
Gather requirements	Plan	11	Closed	Resolution Confirmed	1	PG		
Analyze	Plan	11	Closed	Resolution Confirmed	1	PG	Solution Concept	
Create usage scenarios	Plan	11	Closed	Resolution Confirmed	1	PG	Usage Scenarios	Scenarios
Build use cases	Plan	11	Closed	Resolution Confirmed	1	PG		
Document Solution Concept	Plan	11	Closed	Resolution Confirmed	1	PG		
Create architecture and design	Plan	11	Resolved	Fixed	1	PG		
Design Instore pickup, store locator and inventory services	Plan	11	Resolved	Fixed	1	PG	Feature Specifications	Prioritized Milestone
Specify Features	Plan	11	Resolved	Fixed	1	PG	Risk Driven Schedule	
Estimate Schedule and Costs	Plan	11	Resolved	Fixed	1	PG		
Code Features	Implement	11	Resolved	Fixed	1	PG		Workload
Implement Business Logic for Find Store	Implement	11	Resolved	Fixed	1	PG		
Unit Test Features	Implement	11	Resolved	Fixed	1	PG		Stress Test Code
Refactor Features	Implement	11	Resolved	Fixed	1	PG		
Test	Implement	11	Resolved	Fixed	1	PG		
Write Test cases	Implement	11	Resolved	Fixed	1	PG		Workload
Complete Test Passes (all other in-depth tests)	Implement	11	Resolved	Fixed	1	PG		Daily Build
Run Load Test on Lab Configuration	Implement	11	Resolved	Fixed	1	PG		
Resolve Bugs	Implement	11	Resolved	Fixed	1	PG		Resolved
Stabilize	Implement	11	Resolved	Fixed	1	PG		
Perform Integration Testing	Implement	11	Resolved	Fixed	1	PG	Build Convergence	ZBB Trend
Reach ZBB	Implement	11	Resolved	Fixed	1	PG		
Final Customer Acceptance Test	Implement	11	Active		1	PG		
Release	Deploy	11	Active		1	PG		
Identify Release candidates	Deploy	11	Active		1	PG		
Release to Production	Deploy	11	Active		1	PG	Release Signoff Form	
Transition	Deploy	11	Active		1	PG		
Complete final documentation	Deploy	11	Active		1	PG		
Transfer to operations	Deploy	11	Active		1	PG		
Closeout	Deploy	11	Active		1	PG		
Obtain customer approval	Deploy	11	Active		1	PG		
Post Project Review	Deploy	11	Active		1	PG		Post Project Analysis

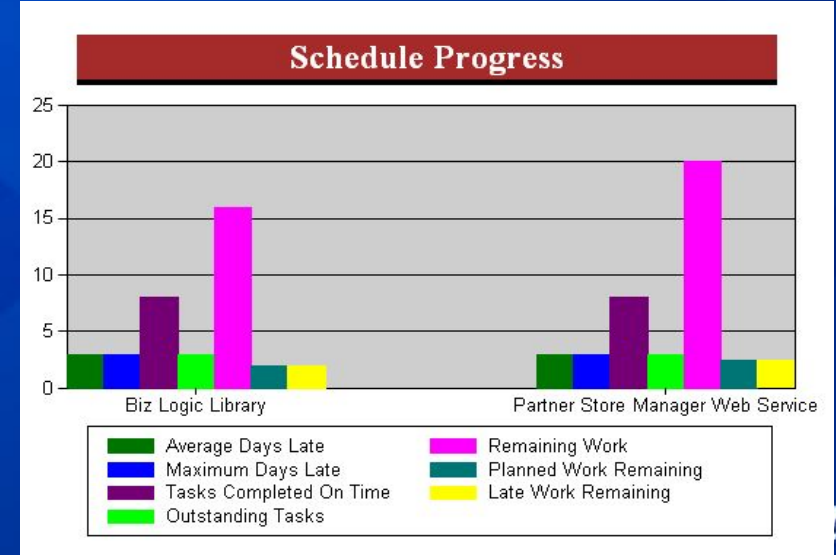
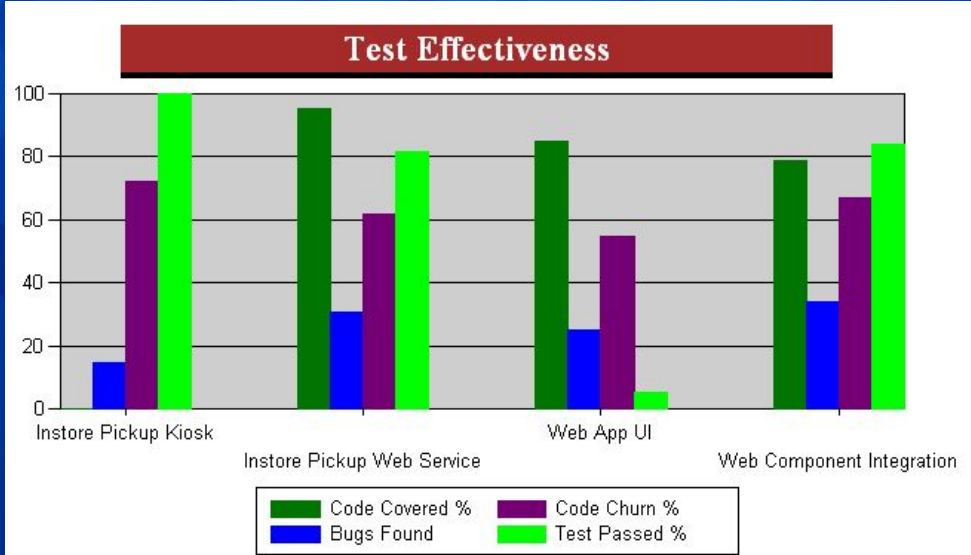
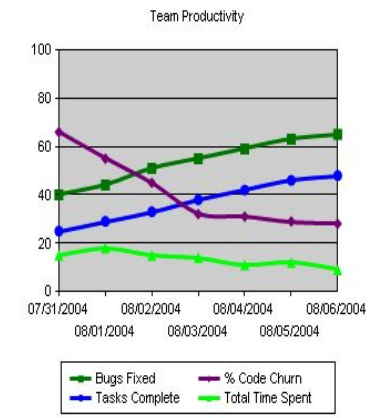
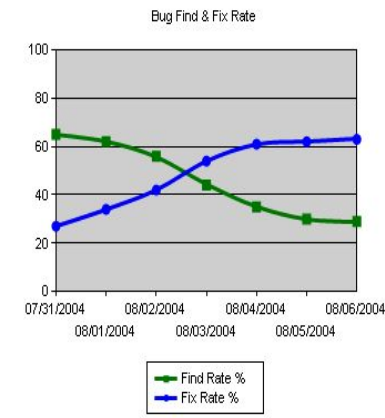
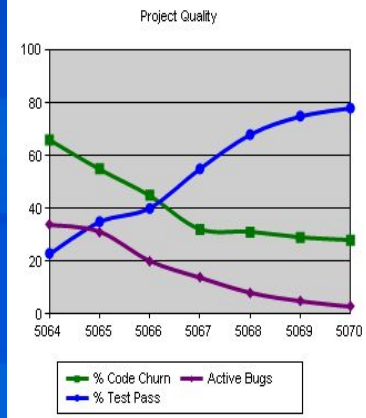
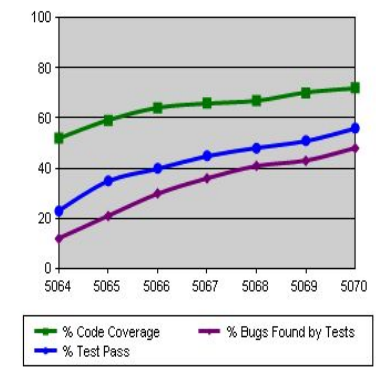
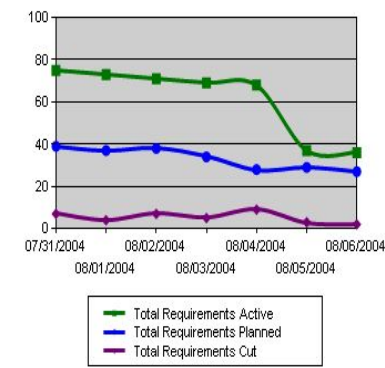
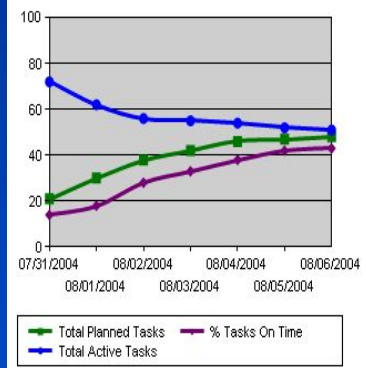
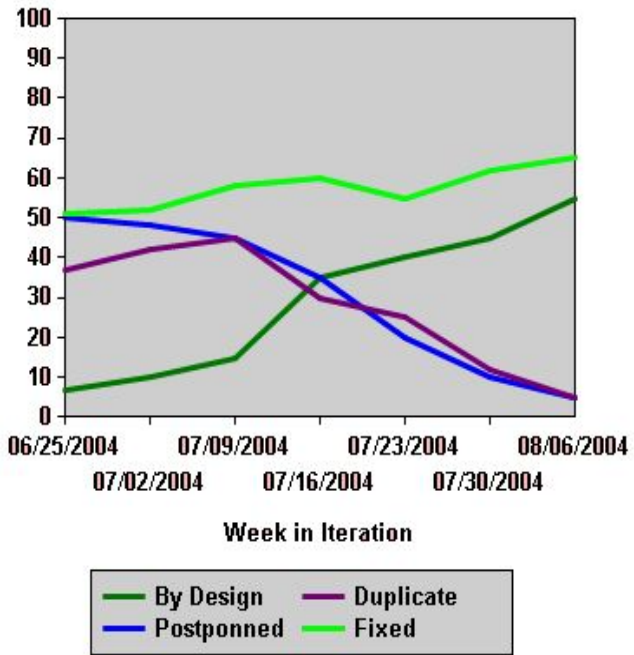
Состояние проекта в Microsoft Excel или Microsoft Project

Work Item Type Definition

- Name
- Description
- Fields
- Work Flow
- Field Rules
- Form
- Global Lists
- Transition Actions

```
<WITD application="my editor" version="1.0">
  <WORKITEMTYPE name="Custom Code Defect">
    <FIELDS>
      <FIELD name="Severity" refname="Custom.Severity"
type="Integer">
        <HELPTEXT>How severe the code defect is</HELPTEXT>
        <REQUIRED />
      </FIELD>
    </FIELDS>
    <WORKFLOW>
      <STATES>
        <STATE value="Active" />
      </STATES>
      <TRANSITIONS>
        <TRANSITION from="" to="Active">
          <REASONS>
            <DEFAULTREASON value="New" />
          </REASONS>
        </TRANSITION>
      </TRANSITIONS>
    </WORKFLOW>
    <FORM>
      <Layout>
        <Control Type="FieldControl" FieldName="Custom.Severity"
Label="Severity" LabelPosition="Left" />
      </Layout>
    </FORM>
  </WORKITEMTYPE>
</WITD>
```

Отчеты

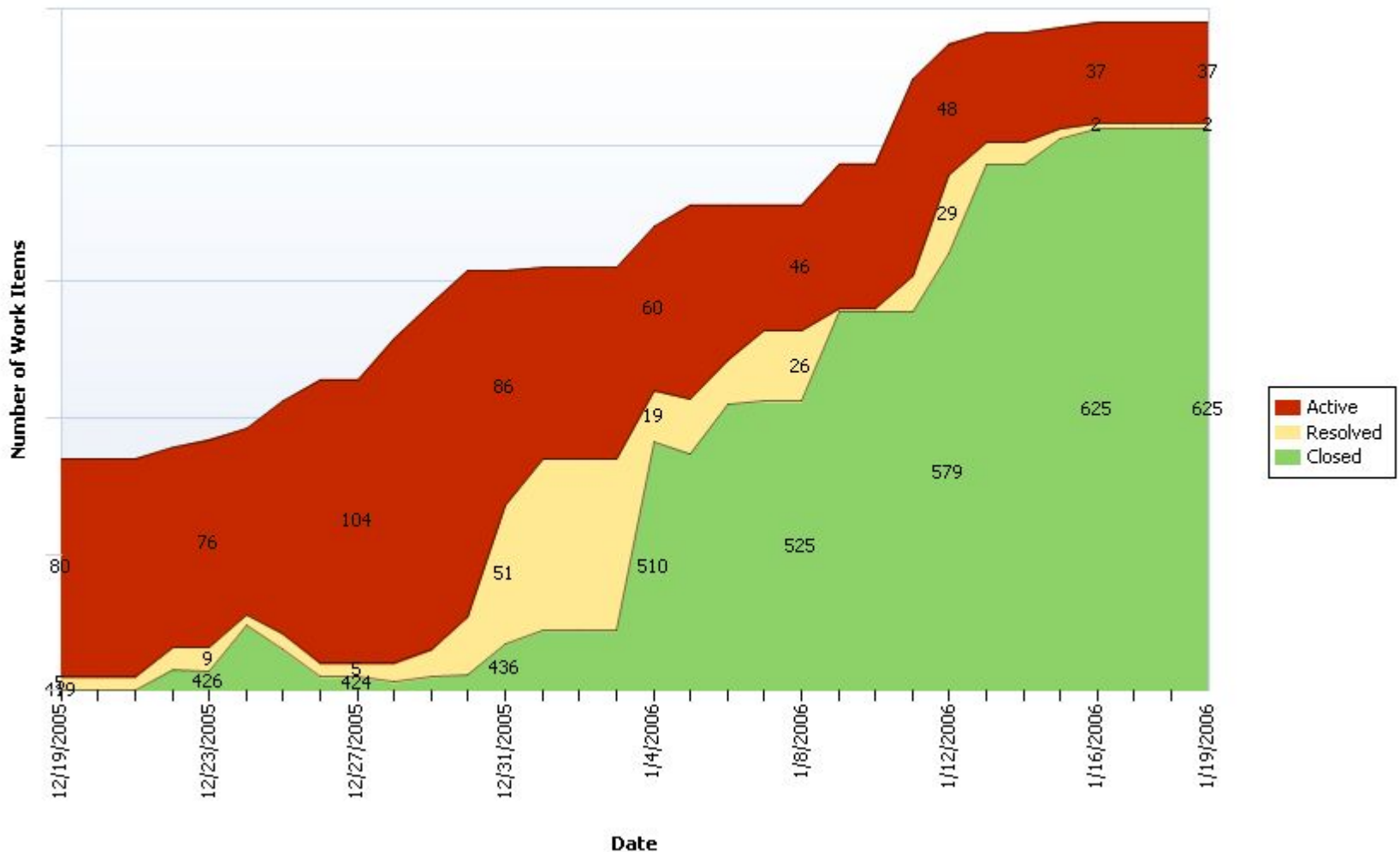


Незаконченная работа

Remaining Work

Report Generated: 1/19/2006 10:32:48 AM by REDMOND\tompat; Last Warehouse Update: 1/19/2006 9:49:52 AM

How much work is left and when will it be done?

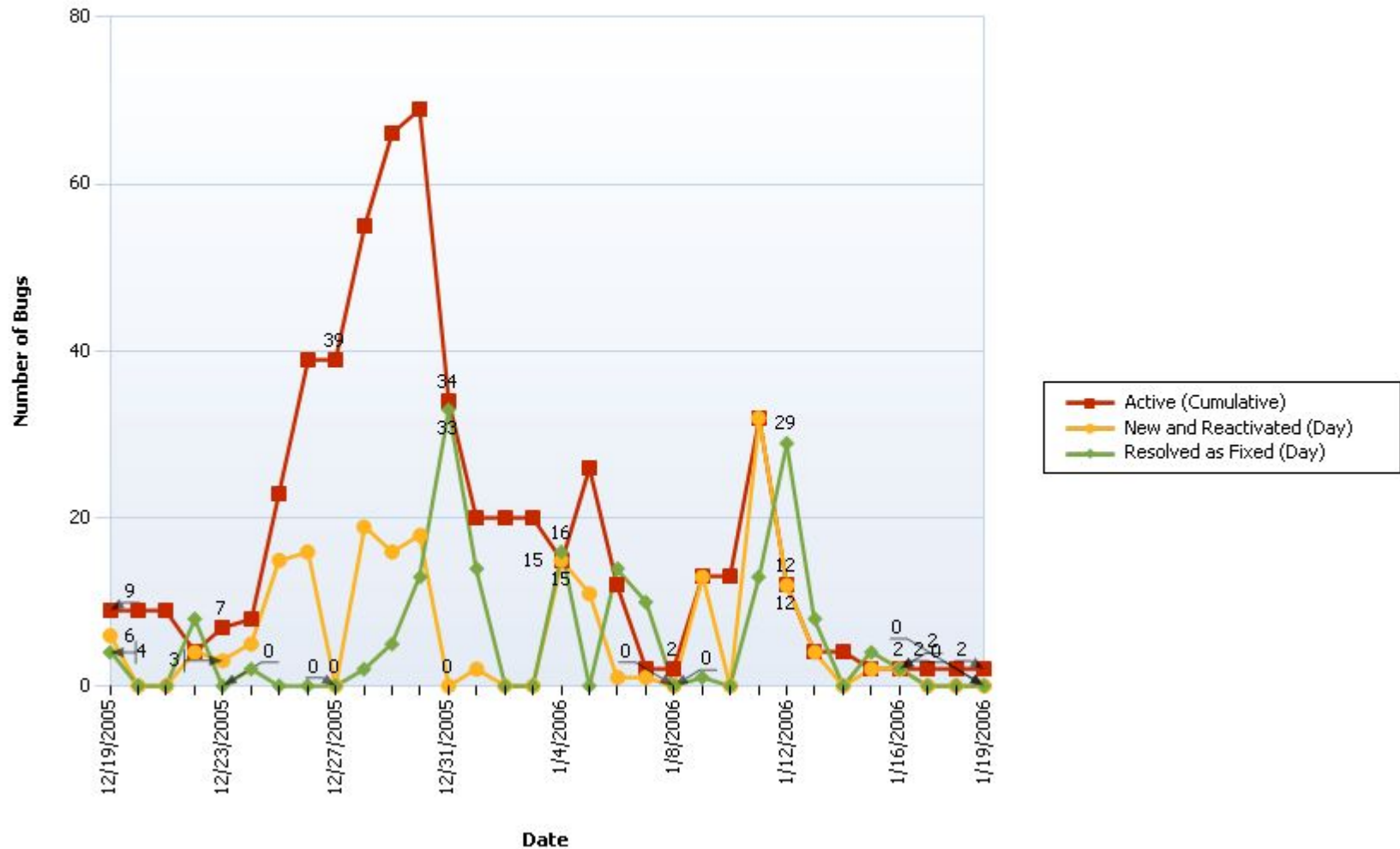


Баги

Bug Rates

Report Generated: 1/19/2006 10:08:04 AM by REDMOND\topat; Last Warehouse Update: 1/19/2006 9:49:52 AM

How effectively are we finding, fixing and closing bugs?

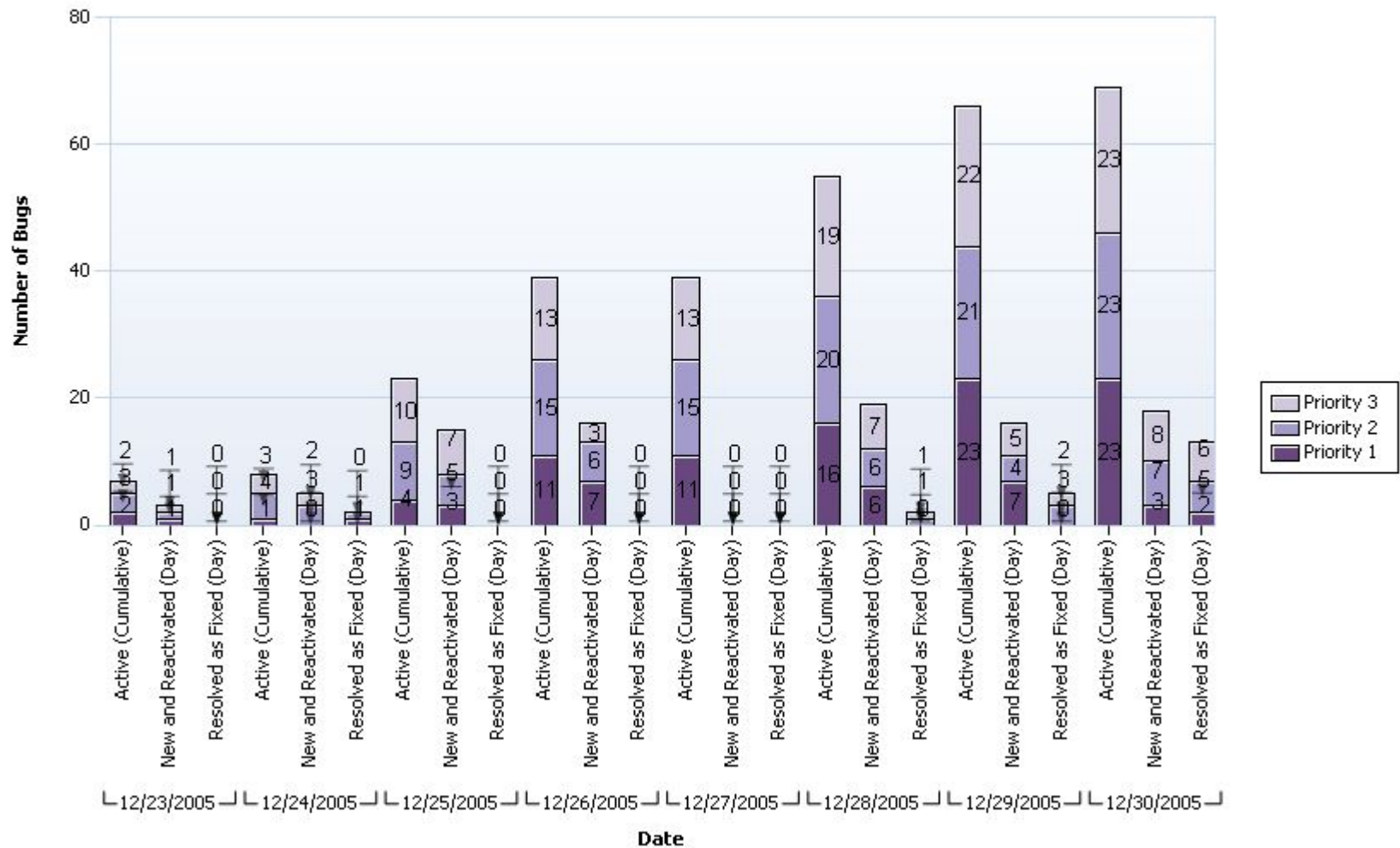


Баги по приоритету

Bugs by Priority

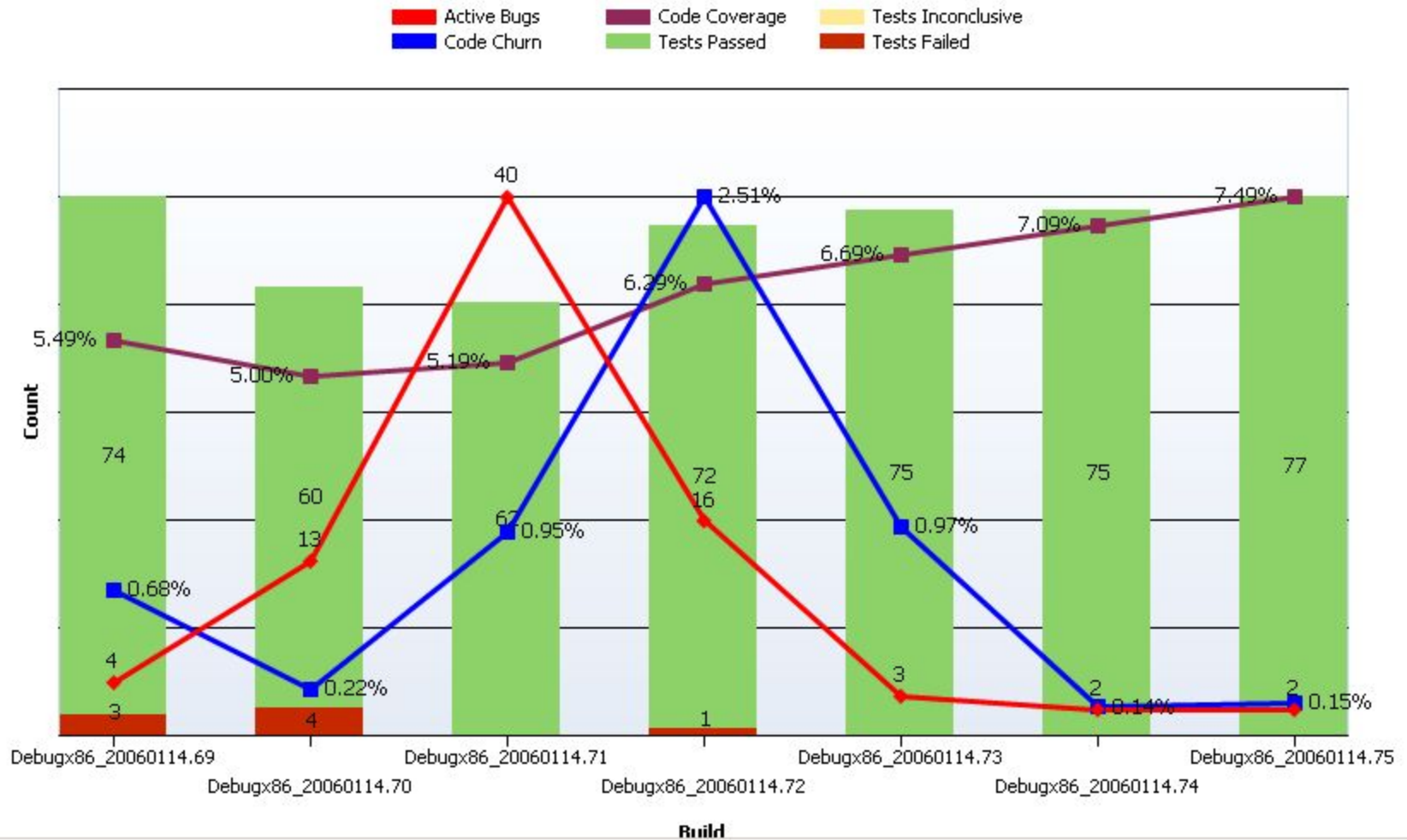
Report Generated: 1/19/2006 10:10:27 AM by REDMOND\{tompat; Last Warehouse Update: 1/19/2006 9:49:52 AM

Are we finding and triaging the right bugs?



Индикаторы Качества

What is the quality of the software?



Questions



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