
CMConf / SubConf 2008

SCRUM and Collaboration Platforms - the Success-Duo

Uta Kapp
16. Oktober 2008



Agenda

SCRUM and Collaboration Platforms - the Success-Duo

- Introduction of the Speaker
- Presentation of the Topic
- Question and Answer



The Speaker



Uta Kapp

Consultant und Project Coach

for Software Development and IT

Email: info@utakapp.de

Web: www.utakapp.de



The Presentation

- What is SCRUM?
- What is a collaboration platform?
- How can we map SCRUM to a collaboration platform?
- Which collaboration platforms support SCRUM?



SCRUM



What is SCRUM?

- Rugby or ...
- An agile software development project management process.
- Implements the values of the agile manifesto.
- Has a fixed, well defined set of procedures.
- Introduced by Ken Schwaber



Manifesto for Agile Software Development

We are uncovering better ways of developing software by doing it and helping others do it. Through this work we have come to value:

- **Individuals and interactions over processes and tools**
- **Working software over comprehensive documentation**
- **Customer collaboration over contract negotiation**
- **Responding to change over following a plan**

That is, while there is value in the items on the right, we value the items on the left more.

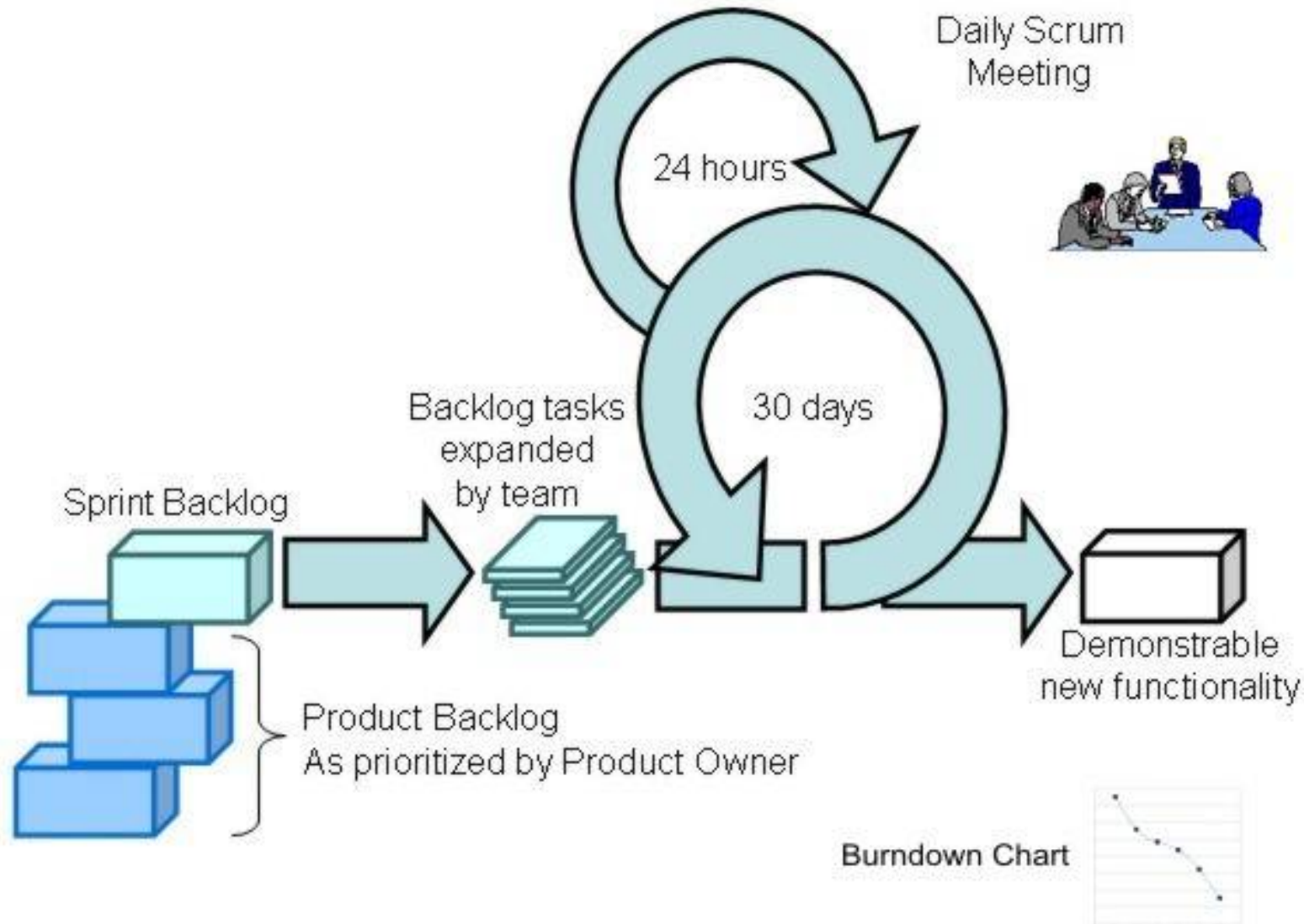


SCRUM Lessons Learned from Rugby

- There is a clear common vision: we want to win the game.
- Team spirit is the key to success.
- The role of each player is welldefined.
- There are clear rules for the game.
- Everybody knows the rules.

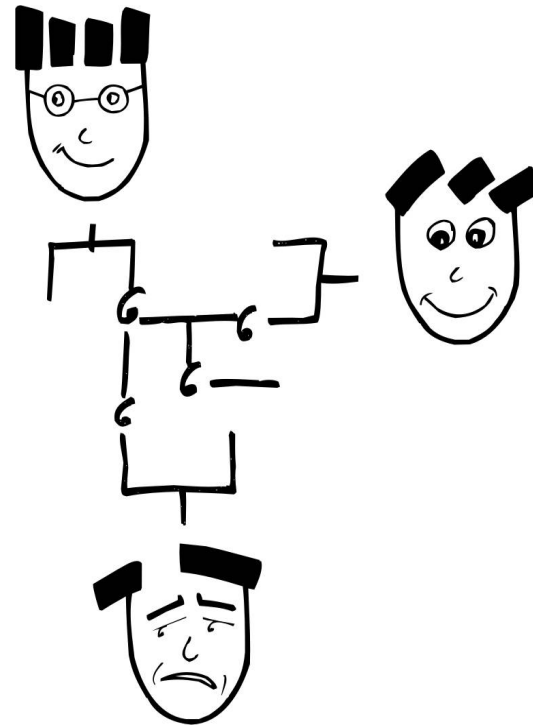


SCRUM Process Rules



SCRUM Roles

- SCRUM Master
- Developer
- User
- Product Owner



Agile Manifesto: People over Tools



Collaboration Platform Features

- Application lifecycle management
- Social Software
- Collaboration features
- Role management
- Communication platform

Only parts are „must have“ for a SCRUM process, but „nice to have“ for project management.

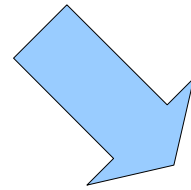


Collaboration Platform Essentials for SCRUM

- Issue-tracker (customizable).
 - ◆ Sprint-Tracker
 - ◆ Backlog-Tracker
- History for issue-tracker.
- History data is accessible by api or standard query list
- Reporting, that evaluates history.
- Export of data (Office formats)
 - ◆ Burndown Chart



Supporting SCRUM with Collaboration Platforms



Project Backlog Mapped to Issue Tracking

Login Projects Wiki Documents **Trackers** Reports Forums Builds SCM Repository Members

Projects » obScrumKit » Trackers » Backlog Tracker

Tracker: Backlog Tracker Actions

New Issue More actions...

Tracker: Backlog Tracker (7) Tracker View: Open New Filter: GO more details...

ID	P	Summary	Status	Submitted at	Assigned to	Submitted by	Modified at	SprintID	Aufwand getätigt	Aufwand geschätzt
7999		Ant Task to Start Burndown Chart	Resolved	May 30	TomDeveloper, uttakapp	uttakapp	Jun 05	1	10	10
7996		Subversion installation	Verified	May 28	TomDeveloper	uttakapp	Today 06:34	2	7	10
7995		Java Program to Produce Burndown-Chart	Resolved	May 28	TomDeveloper	uttakapp	Today 06:35	1	50	50
7994		Report for Burndown-Chart	Resolved	May 28	TomDeveloper	uttakapp	Today 06:36	1	5	5
7993		Define Backlog Tracker	Resolved	May 28	uttakapp	uttakapp	Today 06:37	1	5	5
7992		Maven2 POM	Resolved	May 28	TomDeveloper	uttakapp	Jun 06	1	10	10
7991		Customize IDE for Projekt	Resolved	May 28	TomDeveloper, uttakapp	uttakapp	Today 06:39	1	10	10

SPR-8001

Tracker Item (Example from SourceForge)

Title: Asset Manager 2.5 - Define status transition values

Description: Edgar is defining workflow for use with QA and Development. Linda has provided Edgar with a matrix of status values and their possible transition values. Edgar sets up the status field to ensure that only the specific status values identified by Linda are available based on the artifact's current status.

Submitted By: [SourceForge Administrator](#)

Submitted On: 05/31/2006 7:26 PM PDT

Last Modified: 06/26/2008 2:54 AM PDT

Edit

Status / Comments

Change Log

Associations

Dependencies

Attachments

Status


Group:

Status:*

Category:

Customer:

Priority:


Assigned To: 


Reported in Release:


Fixed in Release:

Estimated Hours:

Actual Hours:

Reviewed On:  (MM/dd/yyyy)

Reviewed By: 

Pair: 

Comment

Comment Text: Edgar is defining workflow for use with QA and Development. Linda has provided Edgar with a matrix of status values and their possible transition values. Edgar sets up the status field to ensure that only the specific status values identified by Linda are available based on the artifact's current status.

Attachments:

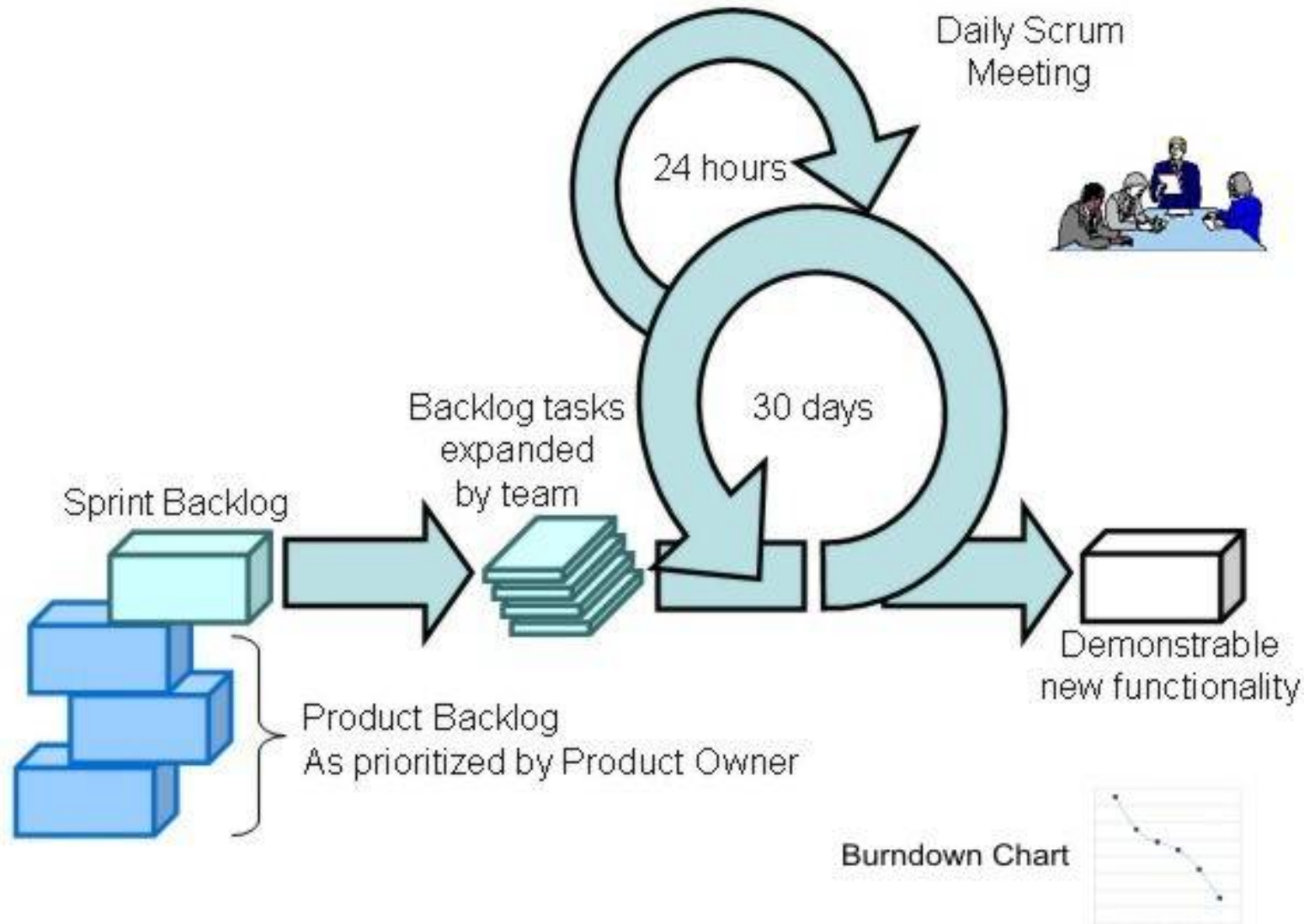
Cancel

Update And View

Update



SCRUM Process Rules



SPRINT

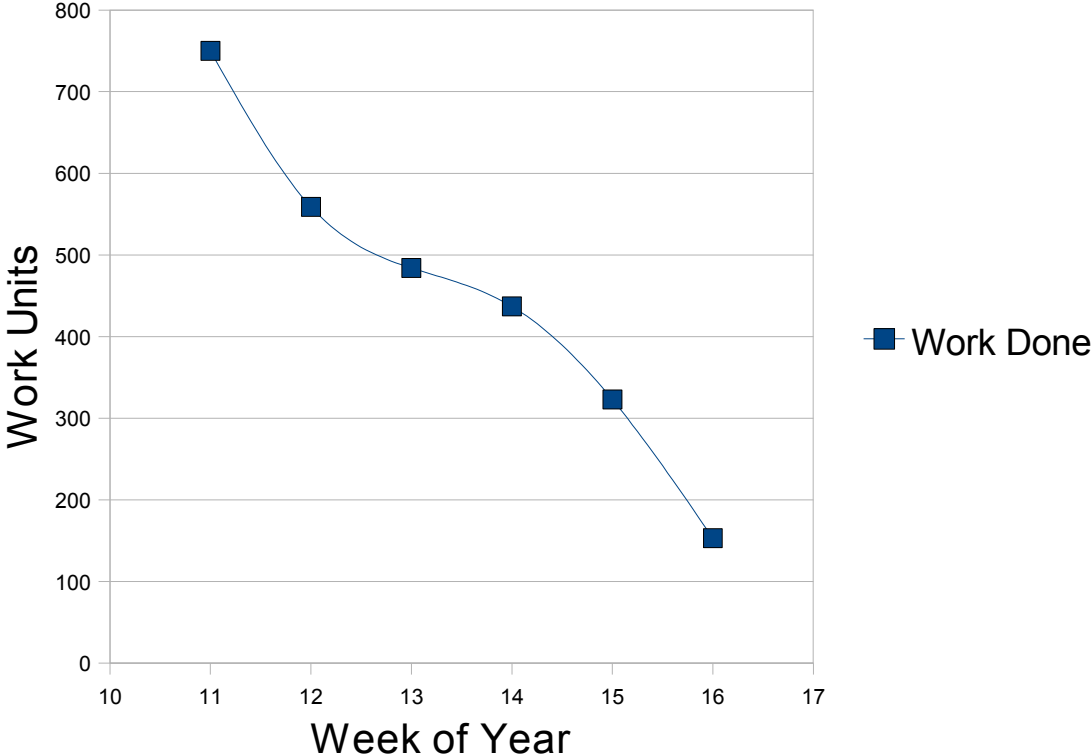


- Sprints have a specific beginning and end date
- Each Sprint has an unique identification
- We use a Sprint-Tracker to follow up on Sprints

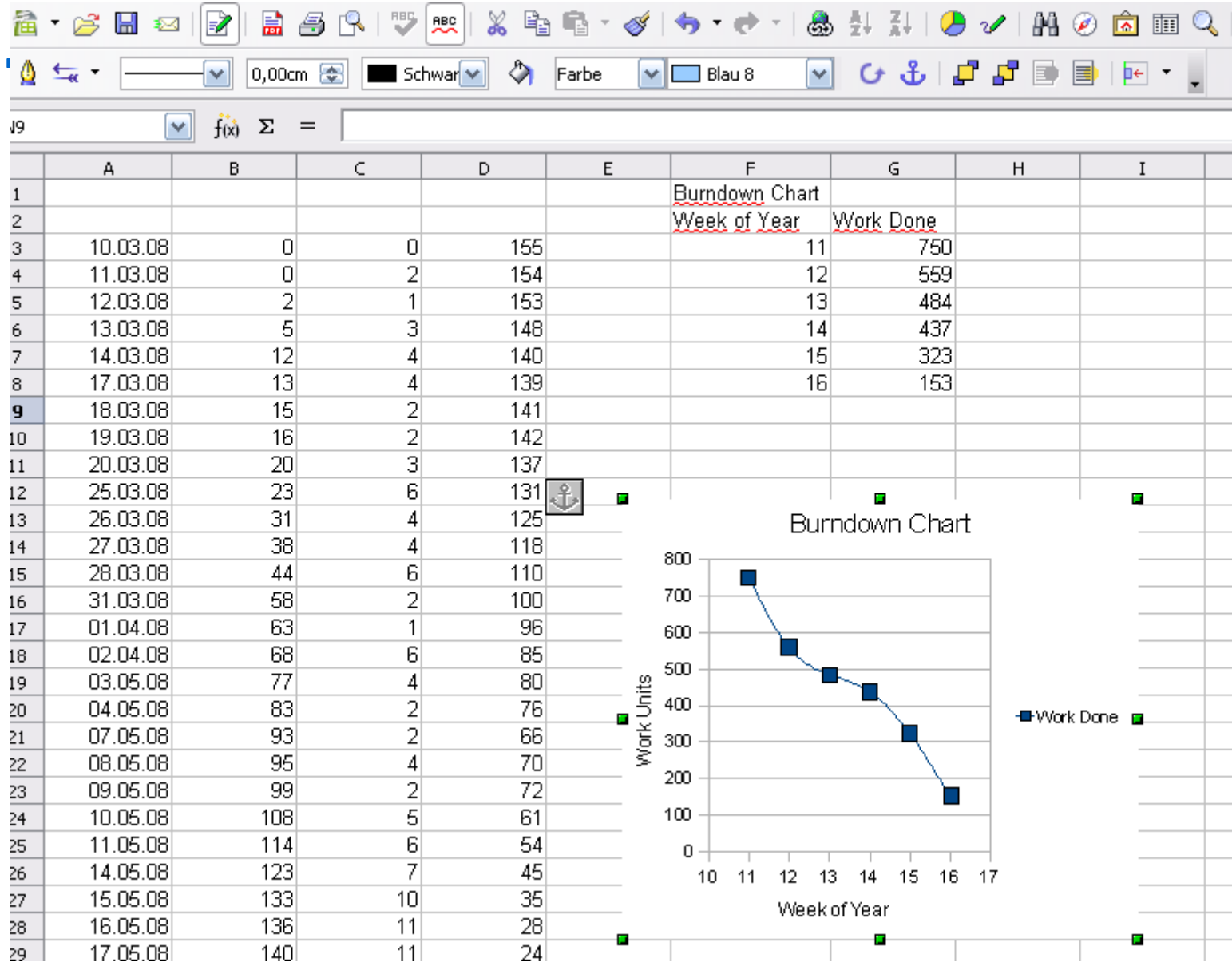


Burndown Chart

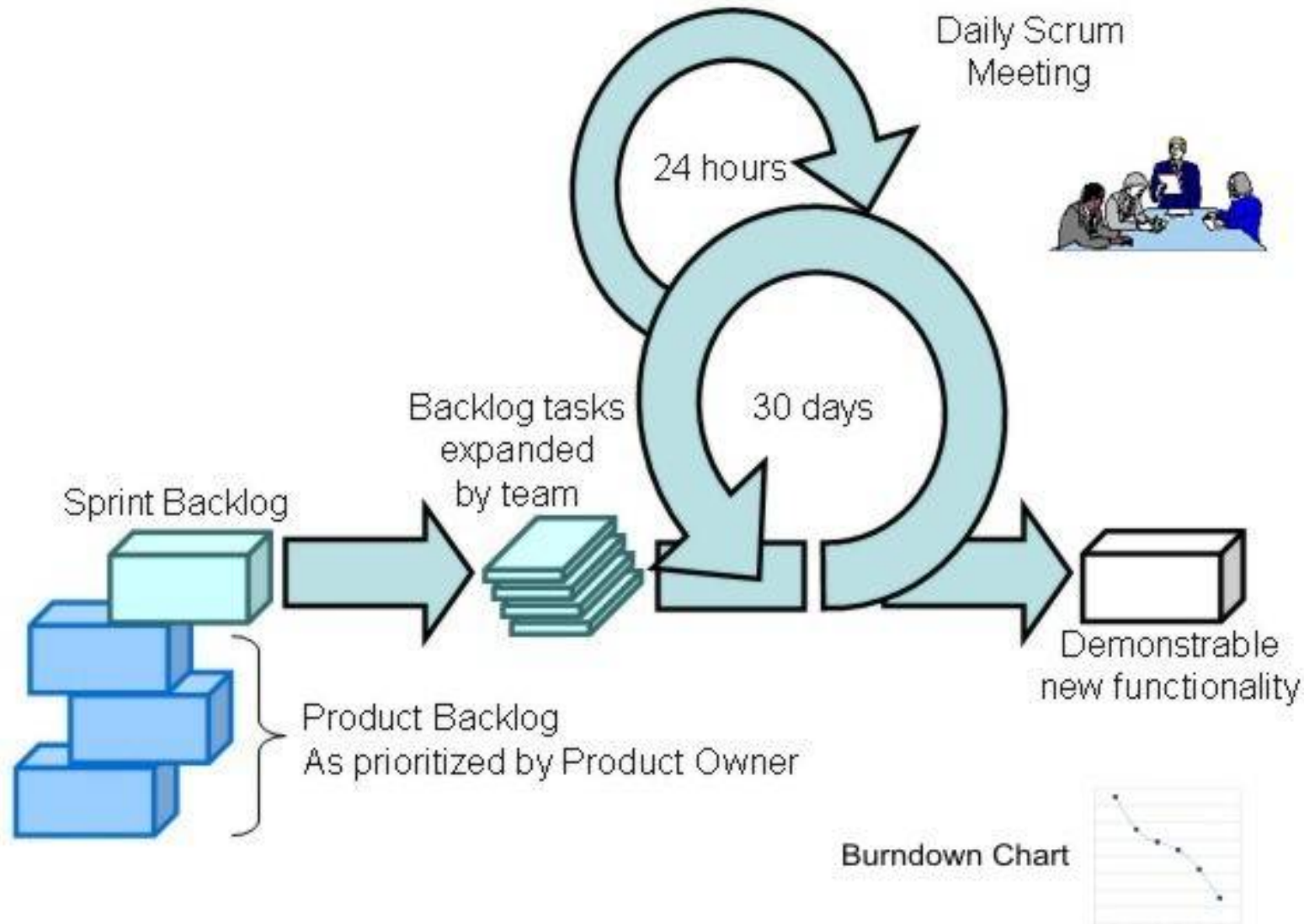
Burndown Chart



Burndown Chart with Office Program



SCRUM Process Rules

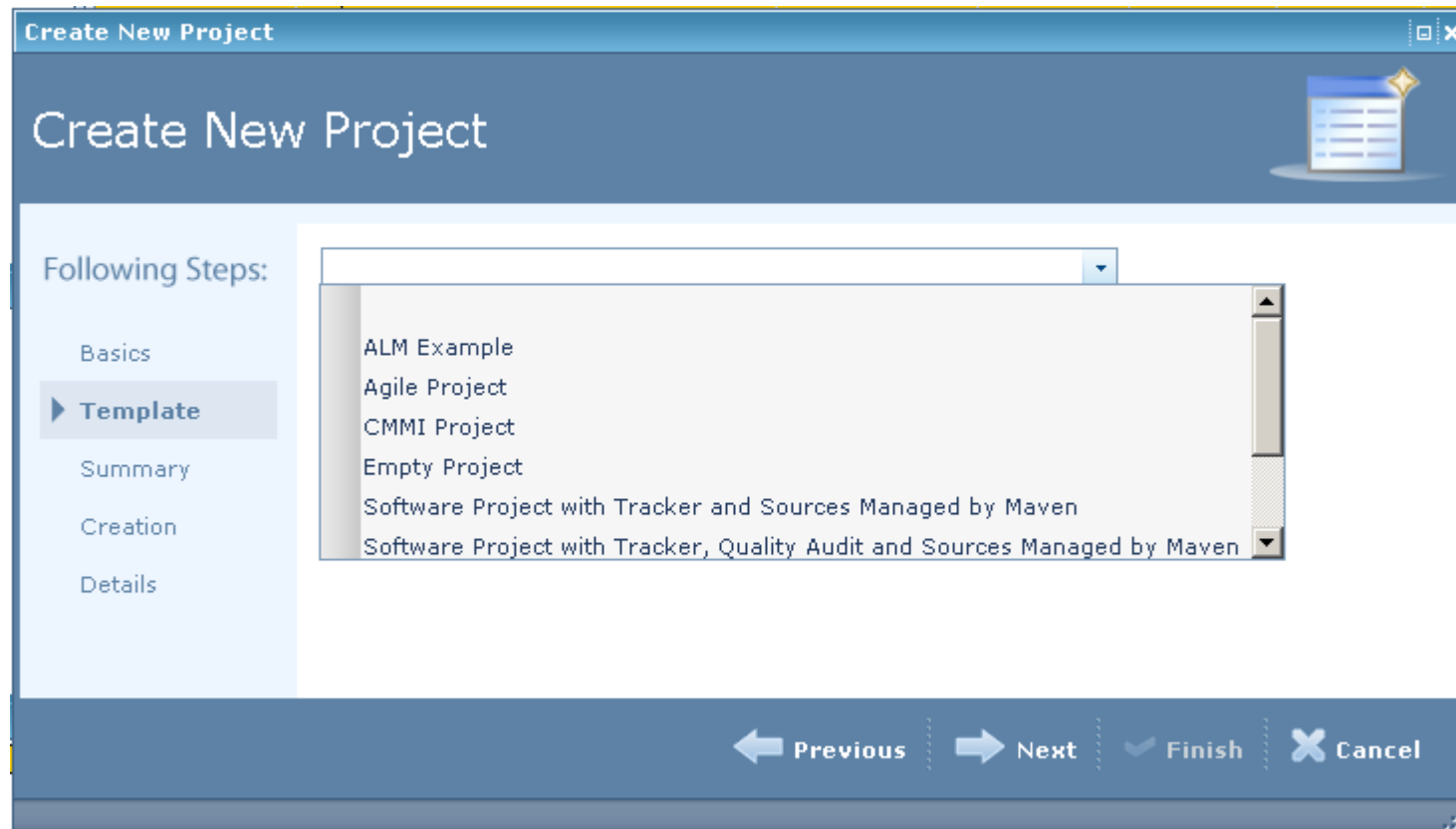


Integrated Collaboration Platform Vendors

- SourceForge by CollabNet (collab.net)
- Team Foundation Server / VSTS by Microsoft (microsoft.com)
- Polarion by Polarion Software (polarion.com)
- CodeBeamer by Intland GmbH (intland.com)
- JAZZ / Teamconcert by IBM (jazz.net)
- TRAC (Open Source Project trac.edgewall.org)



Polarion Example of Project Template



TFS Open Source Community



- ▶ Home
- ▶ Download
- ▶ Process Guidance
- ▶ Community
- ▶ Partners

Welcome to Scrum for Team System

Task Board for SFTS 1.2 Released!

Task Board for Team System Beta trial released!
[Task Board Info Page](#)

Scrum for Team System is a free Agile Software Development Methodology add-in for Visual Studio Team System, developed by Conchango, in collaboration with Ken Schwaber and the Microsoft Technology Centre UK. **Running Visual Studio 2008 Team Foundation Server? Version 2.2 is now available: [SFTS v2.2](#)**



Scrum for Team System features:

- ▶ Work Items for Sprint, Product Backlog, Sprint Backlog, Sprint Retrospectives and Impediments.
- ▶ Reports for Sprint and Product Burndown, and many more to help you monitor your project.
- ▶ Process Guidance which explains all the rules, roles and artefacts of Scrum.
- ▶ Multimedia Guidance from Ken Schwaber, the co-creator of Scrum.

Scrum for Team System provides development teams with deep support for the use of Scrum, when running projects using Visual Studio Team System's integrated suite of lifecycle tools.

Training Courses

- ▶ **Certified Scrum Master** - 2 Day Training Course with Mike Cohn - FULLY BOOKED, 30 Jun 2008, London UK
- ▶ **Agile User Stories Applied** - 1 Day Training Course with Mike Cohn, 02 Jul 2008, London UK
- ▶ **Certified Scrum Master Course/Certified Product Owner Course** 03 Jul 2008, London UK - FULLY BOOKED
- ▶ **Agile User Stories Applied** - 1 Day Training Course with Mike Cohn, 07 Oct 2008, London UK
- ▶ **Certified Scrum Master** - 2 Day Training Course with Mike Cohn, 08 October 2008, London UK
- ▶ **Agile Estimating and Planning** - 1 Day Training



CodeBeamer / Scrum Open Source Community



CodeBeamer 5 - Collaborative Software Development Solution

My Start Projects ▾ Wiki ▾ Documents Trackers ▾ Reports Forums ▾ Chats Builds SCM Repository Members Admin

Projects » cbScrumKit

 Tracker Summary

Tracker Name	Key	Open	Total	Assigned to Me	Submitted
<input type="checkbox"/> Backlog Tracker Project Backlog Tracker for Scrum Project. This is the template to use with codebeamer plugin.	BLK	7	8	3	
<input type="checkbox"/> Bug Bug Tracker	BUG	1	1	0	
<input type="checkbox"/> Sprint-Tracker Sprint Tracker	SPR	2	2	2	
Summary:		10	11	5	



SourceForge by CollabNet - Tracker Item

Title: Asset Manager 2.5 - Define status transition values

Description: Edgar is defining workflow for use with QA and Development. Linda has provided Edgar with a matrix of status values and their possible transition values. Edgar sets up the status field to ensure that only the specific status values identified by Linda are available based on the artifact's current status.

Submitted By: [SourceForge Administrator](#)

Submitted On: 05/31/2006 7:26 PM PDT

Last Modified: 06/26/2008 2:54 AM PDT

Edit

Status / Comments

Change Log

Associations

Dependencies

Attachments

Status


Group:

Status:*

Category:

Customer:

Priority:


Assigned To: 


Reported in Release:


Fixed in Release:

Estimated Hours:

Actual Hours:

Reviewed On:  (MM/dd/yyyy)

Reviewed By: 

Pair: 

Comment

Comment Text: Edgar is defining workflow for use with QA and Development. Linda has provided Edgar with a matrix of status values and their possible transition values. Edgar sets up the status field to ensure that only the specific status values identified by Linda are available based on the artifact's current status.

Attachments:

Cancel

Update And View

Update



Trac / Agilo for Scrum Open Source Project

Wiki
Scrum
Timeline
Roadmap
View Tickets
Search

Search

42
agile

Test Project

Login | Settings | Help/Guide | About Trac | Register

Burndown for "Test Sprint 18.12.2007"

Start Date: 2007-12-05 00:00:00
End Date: 2007-12-18 00:00:00
Duration: 14 calendar days, 10 working days

Sprint Burndown Chart

Tasks Hide Completed Tasks...

ID	Task	Owner	Resources	11.12	14.12	15.12	16.12	17.12	18.12
4728	Requirement 1.2								
4729	User Story 1.2.1								
4729	Analyze Dependencies	Bill	John, Jennifer	3	3	3	3		
4730	Task 1.2.2.1	John							
4731	Task 1.2.2.2	Ann							
4732	Task 1.2.2.4	Bill							
4733	Task 1.2.2.5	Mary							
4734	verify Task/owner	Jennifer	Bill, Tom	2	2	2	2		
4735	Task 1.2.2.7	Bill	Jennifer						
4736	Task 1.2.2.8 Changed	Jennifer	Tom, John						
4737	Task 1.2.2.9 Fixed	Ann	Tom, Bill						
4739	User Story 1.2.4								
4740	Task 1.2.4.1	John	Bill						
4741	Task 1.2.4.2	Bill	John, Jennifer	8	8	8	8	8	4
4742	Task 1.2.4.3	John	Jennifer, Bill	8	8	8	8	8	2
4743	Task 1.2.4.4	Jennifer	John, Bill	20	20	20	20	20	12
4744	Task 1.2.4.5	Jennifer	Bill, John	8	8	8	8	8	4



Integrated Collaboration Platform and SCRUM

- **Team Foundation Server / VSTS by Microsoft (microsoft.com)**
 - ◆ **SCRUM Template by open source community (see scrumforteamssystem.com)**
 - ◆ **History**
 - ◆ **Burndown Chart prepared from „Data Warehouse“**
- **Polarion by Polarion Software (polarion.com)**
 - ◆ **SCRUM Template**
 - ◆ **History**
 - ◆ **Data for Burndown Chart can be generated from metrics**
- **CodeBeamer by Intland GmbH (intland.com)**
 - ◆ **Customizable Issue Tracking**
 - ◆ **History**
 - ◆ **Open Source Project with Burndown Chart (see JavaForge.com/cbScrumkit)**
- **SourceForge by Collabnet Inc. (collab.net)**
 - ◆ **Agile Template**
 - ◆ **History (not accessible via api)**
 - ◆ **Data for Burndown Chart is collected with daily backup**



Integrated Collaboration Platform and SCRUM

- **JAZZ / Teamconcert by IBM (jazz.net)**
 - ◆ **SCRUM Template for Issue Tracking**
 - ◆ **History**
 - ◆ **Burndown Chart (Standard Edition)**
- **TRAC**
 - ◆ **Customizable Template**
 - ◆ **History**
 - ◆ **Open Source Plugin Agilo for SCRUM**
- **Many others are available**



SCRUM with Multiple Teams

- Distributed Teams
 - ◆ Large projects
 - ◆ NearShoring
 - ◆ OffShoring
- Collaboration platforms support
 - ◆ Communication platform (meetings)
 - ◆ Accumulated product backlog
 - ◆ Accumulated burndown chart
 - ◆ Online visibility of product backlog



Questions and Answers

Q & A Session



End of Presentation

Good Bye

