agileMantis

Getting Started:

Why Scrum with **agileMantis**
View the Demo
Installation
Performing the first Sprint

Version: 1.2.0

Date: 25.03.2014

Classification: gadiv-extern
Division: agileMantis

Filename: Kurzdokumentation.agileMantis.en

1 Scrum with agileMantis in MantisBT. Why and how?

You
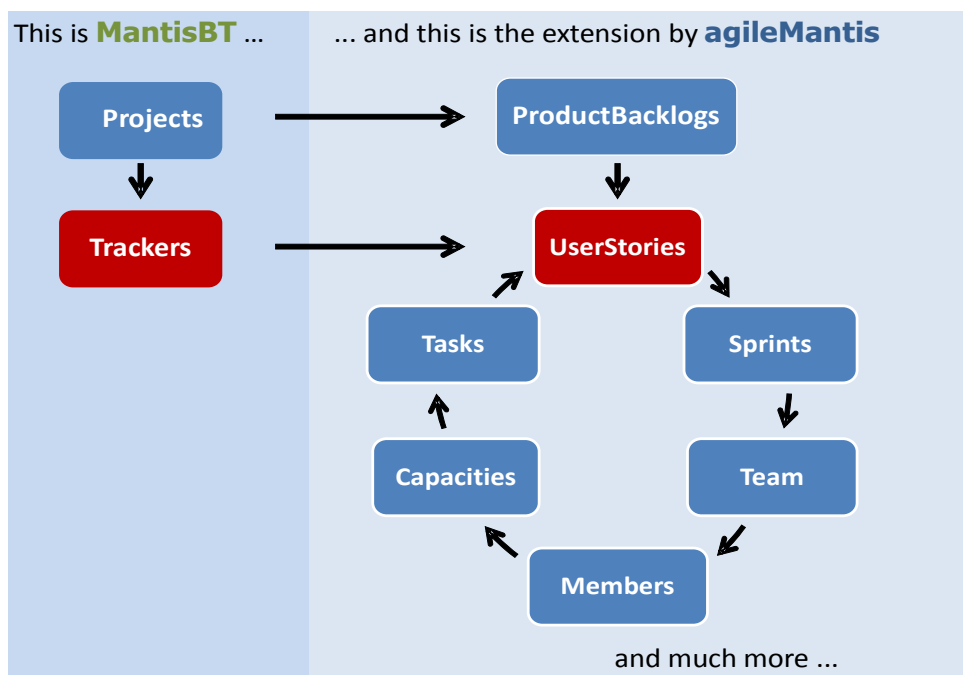are organizing or developing software products.

Scrum
is the way you organize or want to organize your development-cycles.

MantisBT
is optimally your current bugtracking-system (or must be installed).

agileMantis then is your choice to implement Scrum, since ..

This is **MantisBT** ... ... and this is the extension by **agileMantis**

Projects → ProductBacklogs

Trackers → UserStories

Tasks | UserStories | Sprints

Capacities | Team

Members

and much more ...

- **agileMantis** is a plugin for MantisBT which embeds MantisBT-issues as User Stories into the full environment of all **Scrum** artefacts.

- **agileMantis** is Open Source and will soon be extended by expert components as there are Task Board, Burndown Charts, statistics etc...

- Just assign a MantisBT-issue to a Product Backlog. This defines ist as a User Story for the Scrum-process.

- Note: You are able to use MantiBT in the common way without any restrictions. Existing MantisBT data will not be modified.

In the following we guide you to

- visit the demo project

- install **agileMantis**.

- drive an elementary Sprint in **agileMantis**.

Contents

2 Daily work in **agileMantis**: visit the Demo project

You might wish to see, how the various artefacts of Scrum come along in agileMantis and how to navigate between them.You can explore this in the Demo-project. For simplicity, the data of this Demo contain a single Product Backlog only.
Please open

http://agilemantis.sourceforge.net/plugin.php?page=agileMantis/info.php

2.1 Menu structure

Please log in as „developer".

You now see the main menu:
The menu contains the traditional items of MantisBT, extended by **bold** items of agileMantis. In agileMantis, this is the *viewing*-section of the Menu:

... | Summary | **Product Backlog** | **Sprint Backlog** | My Account | ...

2.2 Display issues and User Stories

- To view any MantisBT-issue, click **View Issues**, configure the filter and click Filter.

- To view User Stories of the Product Backlog, click **Product Backlog**.

Product Backlog	Choose a Product Backlog	Create a Sprint			
Name	**Description**	**Team**	**Product Owner**	**Scrum Master**	**Current Sprint**
Demo Product Backlog	This is a demo product backlog.	Demo Team	ProductOwner	ScrumMaster	Demo Sprint Running

User Stories ☐ User Stories without Story Points only ☑ Completed User Stories too ☐ Closed User Stories too ☐ User Stories without Sprint only ☐ User Stories for current Project only ☑ Display Project / Target Version

Ranking Order	Business Value	Story Points		ID	Category	Target version	Summary	Sprint
3	3000	21	✎	16	Prototyping	Demoversion 1.0.0	Create a basic GUI with a menu, an input field and a digit panel	Demo Sprint Running
5	300	3	✎	3	Realisation	Demoversion 1.0.0	Create a menu with copy and paste functions	Demo Sprint Running
	1200	34	✎	22	Prototyping	Demoversion 1.0.0	Create a panel with arithmetical operations	test_Sprint
	300		✎	20	Installation	Demoversion 1.0.0	Create a Windows setup file	

2.3 Daily work in running Sprints

To view User Stories of the currently running Sprint, click **Sprint Backlog**.

- The headline displays the duration of the Sprint.

- The listing below shows the User Stories and for each the associated Tasks.

In other words, here we see the Sprint's Task Board.

Sprint	Edit Sprint	Confirm Sprint	Close Sprint	Split Incomplete User Stories		Choose a Sprint		

Sprint	Begin	End	Story Points	Remaining Time	Remaining Work (h)	Remaining Capacity (h)	Team	Product Backlog
Demo Sprint Running	11.02.2014	25.02.2014	32	4 Days	55.30	0.00	Demo Team	Demo Product Backlog

User Stories & Tasks ☑ Display Project / Target Version ☐ Incomplete User Stories only ☐ Your own User Stories only

	ID	Summary	Developer	Planned (h)	Performed (h)	Enter performed work (h)	Rest (h)	SP	R	Target Version	Actions
✏	#2	Create an input field for arithmetic operations						3	4	Demoversion 1.0.0	Add Task / Split Story
		Create Input Field	Entwickler	3.25	0.00	[ ] Enter	3.25				Edit / Adopt / Resolve
		QA Test Input Field	Developer	2.00	0.00	[ ] Enter	2.00				Edit / Adopt / Resolve
✏	#3	Create a menu with copy and paste functions						3	5	Demoversion 1.0.0	Add Task / Split Story
		Create Menu	Entwickler	4.00	4.00	[ ] Enter	0.00				Edit / Adopt / Resolve

The daily work of the Developer Team consists just of these simple inputs:
- Details of a UserStory show up on clicking its **#ID**.
- Success of each Task can be typed in via the performed work (0 is allowed), then pressing Enter.
- The Task is finished by pressing Resolve.

2.4 Creating Scrum artefacts

Please login as administrator.

You see immediately the extended main menu:

... | Summary | **Product Backlog | Sprint Backlog | agileMantis** | My Account | …

A click on **agileMantis** opens the central Scrum-submenu for agileMantis administrators, This is the *creation*-section of agileMantis where Teams etc. are instantiated.

… [Manage Product Backlogs] [Manage Teams] [Manage Sprints] …

If you like, just try yourself now. But this more elaborate work is easier to explore following part 4 of this manual. Just download agileMantis and then follow the instructions.
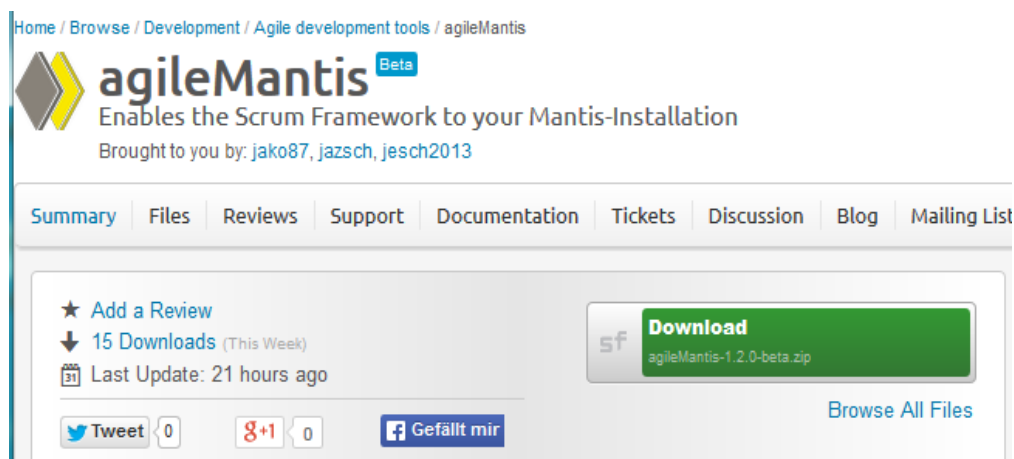
3 Installation

Installation has two steps:
- System requirements (Steps 1-2)
- Plugin installation (Steps 3-10)

Note: The system requirements of agileMantis are essentially covered by those of MantisBT. In the current version agileMantis can only be used in connection with a MySQL database. Other databases will be supported in a later version.

1. Optimally you are already user of MantisBT Version 1.2.5. or newer using a MySQL database.

   - If MantisBT is not installed, install or update it first from

     http://www.mantisbt.org/manual/admin.install.html

   - If MySQL is not installed, we recommend to install from

     http://dev.mysql.com/downloads/mysql/5.5.html#downloads

2. *Notes:* MantisBT recommends to use a MySQL database. Installing MantisBT is an advanced task that should be given to a system manager.

3. Download agileMantis from our Sourceforge project page
   http://sourceforge.net/projects/agilemantis/.
   By clicking the download button there you get the newest version.

   Keep care to remember the destination directory of the download soon.

4. Unzip agileMantis files in the download-folder. The unzipped agileMantis folder appears.

5. Log into your MantisBT Installation as an administrator.

6. Click **Manage.**
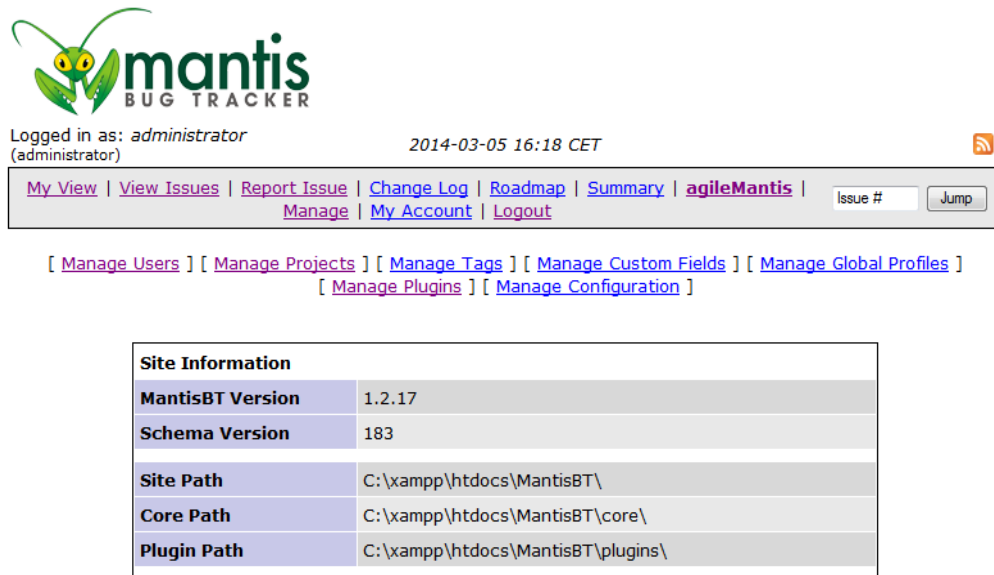
   You see the Mantis Plugin Path, here „**C:\xampp\htdocs\mantis\plugins**\".
   Note! In the browser you see the URL of your Mantis-installation with the

MantisBT domain name/IP adress heading the line (here „**coffeestation3**").

That is, where the physical disc „**C:**" of the „**Plugin Path**" resides. This is *not necessarily* C:\ on your local computer.

7. Open your FTP File Transfer Tool

8. Copy the downloaded and unzipped agileMantis folder from your *local* path to the MantisBT plugin folder *as explained under* (5.).

9. In MantisBT, click **Manage** → **[Manage Plugins]**.
   If the agileMantis folder was copied to the correct destination in (7), you see the agileMantis line.

10. Click **[Install]** at right of the agileMantis line under „**Actions**"**.**

agileMantis is ready for use now.

4 Performing Scrum with **agileMantis** – an elementary Sprint

In the following you are guided to do all necessary and routinely steps to perform Scrum with agileMantis.

For this purpose, an initial creation step is required, followed by the alldays Sprint activities.

For convenience you find three simplifications

- There is *a single* Product Backlog only
- There is *a single* Team only
- Team and Tasks are not embedded into the capacity-management

Later you can set off from there to explore the numerous extensions to these basics.

During tutoring you can easily do these jobs alone.
Please don't shy back; The complete description text is on just 4 sheets of paper plus figures, half of it is just initial. There is much less work to be done than it might seem at first glance.

Note: this will not be an „in principle you can.." but an explicite „please do now.." tutorial. Be prepared to start acting now.

4.1 Creating initial artefacts

4.1.1 Overview

In a nutshell: Fig 4.1. displays the usual artefacts to be created for Scrum and how to assign them along the arrows.
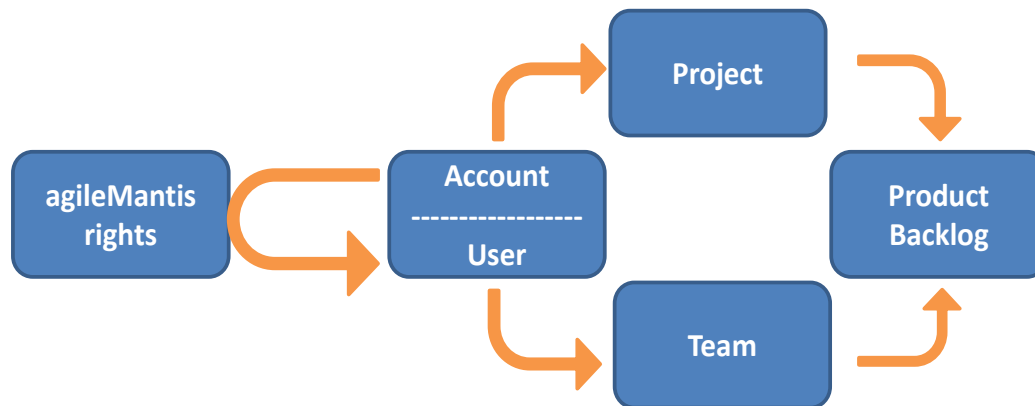
Figure 4.1. Initial artefacts

A user is generated from an account just by assigning agileMantis rights to him. Users come along with different rights in different roles as listed in table 4.1.

Role	Creates and maintains	agileMantis rights
MantisBT Administrator	MantisBT-accounts, Projects	
agileMantis Administrator	agileMantis users, Product Backlogs Teams, Settings	agileMantis-administrator
Product Owner	Issues, User Stories	agileMantis-developer (for example)
Scrum Master	Sprints	agileMantis-developer (for example)
Developers	Tasks	agileMantis-developer
Stakeholder	[View only]	agileMantis-participant

Table 4.1. Roles

We will now create the above objects *depending on the initial state of your installation*.

How to proceed
- If you are working with Mantis already:
  Skip the following pragraph and go to (4.1.3)
- If you have installed Mantis just ago for beeing used with agileMantis:
  Directly continue with (4.1.2)

4.1.2　Create/Initialize project, accounts and users in a new Mantis installation

Login as the user „administrator".

4.1.2.1 Create accounts and users in a single step

To create a new account and user in a single step

1. Press **agileMantis** → **[Manage agileMantis Users]** → **Create User**
2. Fill the fields and set the rights according to Table 4.1.
3. Press **Create User**

Create New Account	
Username	amadmin
Real Name	Manuela Adminster
E-mail	ma@domain.com
Password	•••••••
Verify Password	•••••••
agileMantis Participant	☐
agileMantis Developer	☐
agileMantis Administrator	☑

Create User   Back

Please create the set of users according to Table 4.1. now.

After each user creation, you see the users list again. Here is an example.

Manage agileMantis Users Create User

Username	Real Name	Email	agileMantis Participant	agileMantis Developer	agileMantis Administrator
administrator		root@localhost	☐	☐	☐
amadmin	Manuela Adminster	ma@domain.com	☐	☐	☑
dev1	Develin Realis	dr@domain.com	☑	☑	☐
dev2	Tom Factors	tf@domain.con	☑	☑	☐
dev3	Barbara Makers	bm@domain.com	☑	☑	☐
hoster	Holger Steaker	hst@domain.com	☑	☐	☐
powner	Lucinda Owners	lo@domain.com	☐	☐	☑
smaster	Peter Scrummers	ps@domain.com	☑	☑	☐

Save

The creation of users from *existing* accounts is described in paragraph 4.1.3.

4.1.2.2 Create a project

1. Press **Manage** → **[Manage Projects]** → **Create New Project**
   - Type Name, Description etc. (e.g. test_Project)
   - In the field „Category" type „none" (just to make it non empty)
2. Press **Add Project**

4.1.2.3 Assign accounts/users to the project

1. In the **Manage** → **[Manage Projects]** section

2. Click on the **Project's Name**

3. In the „**Add user to project**" pane, set the **Access Level** to „developer".

4. In the „**Add user to project**" pane, select or multiselect the users to be attached and press **Add User**. In the „**Manage Accounts**" pane below, the attached users are listed and can be removed.
   Hint: All users with administrator right are automatically attached to each project, but only listed on Show Users with Global Access.

Add user to project		
Username	**Access Level**	
dev1 dev3 hoster	developer ▾	Add User
▾ Copy Users From Copy Users To		

Manage Accounts			
Username	**E-mail**	**Access Level**	**Actions**
dev2	tf@domain.con	developer	Remove
smaster	ps@domain.com	developer	Remove
			Show Users with Global Access Remove all

Initialization of project, accounts, users is complete! Please turn to (4.1.4.) now.

4.1.3   Create/Initialize project, accounts and users in an existing MantisBT installation

4.1.3.1 Check for existence of required project

If not existing already, please create a project for the Scrum process in your usual way (or visit (4.1.2.2)).

4.1.3.2 Check for existence and assignment of required accounts

If not existing already, please create the set of accounts according to Table 4.1. in

your usual way (or visit 4.1.2.1)).
Assign the accounts to the project in your usual way (or visit 4.1.2.3).

4.1.3.3 Create agileMantis users from existing accounts

To do this, it is neccessary to have the rights of a MantisBT or an agileMantis administrator.

Users are created from accounts directly by assigning agileMantis rights to them

1. Press **agileMantis → [Manage agileMantis Users]**
• Set the checkboxes of agileMantisRights for the concerned accounts
2. Press **Save**.

Please create the set of users according to Table 4.1. now.

4.1.4 Create Product Backlog and Team

Please login as Mantis- or agileMantis administrator

4.1.4.1 Create a Product Backlog and add a project

1. Press **agileMantis → [Manage Product Backlogs] → Add Product Backlog**
• Type ***Name**, **Description** and ***Email address of team user** of your choice. (e.g. Backlog1 etc).
2. Press **Save**. The dialog expands downwards.
• From the Projects-combobox select a project (e.g. test_project).
3. Press **Add Project** .
You can add and remove more projects. They appear in the list under „Projects".

4.1.4.2 Create a Team and assign it to the Product Backlog

1. Press **agileMantis → [Manage Teams] → Add Team**
• Type **Name** and a **Description** for the Team (e.g. Team1).
• From the ***Product Backlog-combobox**: Select a Product Backlog (e.g. Backlog1)

2. Press **Save** . The dialog expands downwards. Now

Edit Team	
*Name	Team1
Description	The first Team
*Product Backlog	Backlog1 ▾
* required	Save Back

- From the **Product Owner-combobox**: Select a Product Owner and press **Change**.
- From the **Scrum Master-combobox:** Select a Scrum Master and press **Change**.
- From the **Developer-combobox:** Select a developer and press **Add**.
- Select more developers and press **Add** for each

Product Owner

Lucinda Owners ▼	Change

Scrum Master

Peter Scrummers ▼	Change

Developer

Name	Username	Email	Actions
Develin Realis	dev1	dr@domain.com	Remove
Barbara Makers	dev3	bm@domain.com	Remove
Please choose ▼	Add		

- You see the list of developers and can add or remove more.

Now you have a Team that is ready for scrumming. Each member is automatically assigned to her role in the Scrumteam for this Product Backlog.

Hint: Don't worry, if you have assigned already existing Mantis accounts as users to the Team. The user data in your original MantisBT willl *not be affected*.

4.2 Product Owner's activity

Please login as Product Owner

Issues are used by MantisBT and agileMantis as priliminary ideas which, once sufficiently matured, are upgraded to User Stories.

Creation of User Stories is a permanent activity of the Product Owner. He periodically presents the stories to the Team in order to estimate Story Points for them.

4.2.1   Create Issues

1. Press **Report Issue**.
- If requested, select the hosting project of the issue, e.g. test-project, and press **Select Projec**t.
- Now fill the fields **Category**, **Summary**, **Description** as a minimum
2. Press **Submit Report** .

4.2.2 Create a User Story by assigning an issue to a Product Backlog

1. Press **View Issues**

2. Select a project (that was assigned to the Product Backlog) from the combo box at right on top of the menu. The asociated issuees are listed.
   Hint: If only a single project exists, that needs not be selected and is the default.

3. Click the **ID** of the issue

4. From the **Product Backlog-combobox**: Select a Product Backlog. e.g. Backlog1.

5. Press **Save Information**

View Issue Details [Jump to Notes] [Send a reminder]		[<<] [>>]		[Issue History] [

ID	Project	Category	View Status	Date Submitted	Last Update
0000002	Project1	[All Projects] General	public	2014-03-05 13:51	2014-03-05 13

Reporter	powner				
Assigned To					
Priority	normal	Severity	minor	Reproducibility	have not tried
Status	new	Resolution	open		
Platform		OS		OS Version	
Business Value					
Story Points	▼				
Product Backlog	Backlog1 ▼	Sprint	Choose Sprint ▼		
agileMantis-Actions	Save information Edit Tasks				
Summary	0000002: Issue 0000002				
Description	The second issue				

The issue now belongs to the Product Backlog as a User Story.

4.3 Setting Story Points

Please login as Developer or Scrum Master

From time to time, the Product Owner presents new or changed User Stories to the Team. The Team must estimate the Story Points of each story, and each Team Member has the right to change it. To do so:

1. Press **Product Backlog.** (..and if requested, press Backlog).

Product Backlog	Choose a Product Backlog	Create a Sprint			
Name	**Description**	**Team**	**Product Owner**	**Scrum Master**	**Current Sprint**
Backlog1	The first Product Backlog	Team1	powner	smaster	

User Stories	Save	☐ User Stories without Story Points only ☐ Completed User Stories too ☐ ☐ Closed User Stories too ☐ User Stories without Sprint only ☐ User Stories for current Project only ☐ Display Project / Target Version			
Business Value	**Story Points**	**ID**	**Category**	**Summary**	**Sprint**
		✏ 2	General	ℹ Issue #2	
	21	✏ 3	General	ℹ Issue #3	
	21				

2. In the list, click the **ID** of the story for editing
3. In the Story Points combobox set the points
4. Two rows below, press **Save Information**

4.4 Performing a Sprint

4.4.1 Sprint Planning

The Planning is moderated by the Scrum Master. He does the inputs of what developers have decided.

Please login as Scrum Master.

4.4.1.1 The Scrum Master creates the Sprint

1. Press **Product Backlog** → **Create a Sprint**
- Type Name, Begin, End of the Sprint.
- Type the multiline Sprint Goal
2. Press **Save**

Edit Sprint	
*Name	Sprint 1
Sprint Goal	Complete Version 1.1 Set up the multi user system
*Begin (DD.MM.YYYY)	05.03.2014
*End (DD.MM.YYYY)	01.04.2014
Status	open
*Team	Team1
Product Backlog	Backlog1

* required   [Save] [Back]

4.4.1.2 In the Planning, the Developers decide which User Stories to adopt to the Sprint

1. Press **Sprint Backlog** → **Adopt User Stories.** All User Stories not in a Sprint are listed**:**

Adopt User Stories						2 User Stories, 23 Story Points Chosen
Business Value	Story Points	Version		ID		Summary
	2	Project1	☑	2	🛈	Issue #2
	21	Project1	☑	3	🛈	Issue #3
		23				

[Adopt to Sprint] [Back]

2. Set the Checkboxes of stories to be adopted

3. Press **Adopt to Sprint**

4.4.1.3 In the Planning, the Developers add Tasks to the User Stories of the Sprint

If you are just coming from 4.4.1.2, directly go to step 3.
Else proceed with Step 1.

1. Press **Sprint Backlog** (.. and if necessary → **Choose a Sprint**.)

Sprint Backlog - Choose a Sprint						☐ Display closed Sprints too
Sprint	Begin	End	Remaining Time	Team	Product Backlog	Actions
test_Sprint	20.04.2014	19.05.2014	29 Days	Demo Team	Demo Product Backlog	[Backlog]
Demo New Sprint	26.02.2014	12.03.2014	14 Days	Demo Team	Demo Product Backlog	[Backlog]
Demo Sprint Running	11.02.2014	25.02.2014	5 Days	Demo Team	Demo Product Backlog	[Backlog]

2. Press **Backlog** in the selected Sprint-line
The Sprint Backlog opens to show the associated User Stories

Sprint	Edit Sprint	Confirm Sprint	Close Sprint	Split Incomplete User Stories

Choose a Sprint

Sprint	Begin	End	Story Points	Remaining Time	Remaining Work (h)	Remaining Capacity (h)	Team	Product Backlog
Sprint 1	05.03.2014	01.04.2014	23	27 Days	0.00	0.00	Team1	Backlog1

Sprint Goal
Make product V1.1 running
Set up the multi user system

User Stories & Tasks

☐ Show Project And Target Version ☐ Show Only Open User Stories ☐ Show Only Own User Stories

	ID	Summary	Developer	Planned (h)	Performed (h)	Enter performed work (h)	Rest (h)	Actions
✏	#2	Issue #2						Add Task / Remove Story
✏	#3	Issue #3						Add Task / Remove Story

3. In a selected User Story Press **Add Task**. The „Edit Tasks" tab opens.
   In the „**Add Task**" subpane type **Name** and **Description**

Add Task

Name	Description	Developer	Planned Work	Actions
test_Task1	test_Task1	Please choose ▾		Add Task

4. Press **Add Task**.
   The pane now displays the Task as a single line and opens a new empty one
   for the next Task.
   Add more Tasks by your choice.
5. Press **Back**. The „**Sprint Backlog**" tab opens. The Taks are now listed under
   their User Stories.

User Stories & Tasks

☐ Show Project And Target Version ☐ Show Only Open User Stories ☐ Show Only Own User Stories

	ID	Summary	Developer	Planned (h)	Performed (h)	Enter performed work (h)	Rest (h)	Actions
✏	#2	Issue #2						Add Task / Remove Story
✏	#3	Issue #3						Add Task / Remove Story
		Task1 of Issue 3	dev1	0.00	0.00	Enter	0.00	Edit / Adopt / Remove
		Task2 of Issue 3	dev3	0.00	0.00	Enter	0.00	Edit / Adopt / Remove

4.4.1.4 At the end of Planning, the Scrum Master Confirms the Sprint

In the Sprint Backlog press **Confirm Sprint**.

4.4.2 During the Sprint, the Developers maintain and finish their Tasks

Please login as Developer.

User Stories & Tasks							
		☐ Show Project And Target Version ☐ Show Only Open User Stories ☐ Show Only Own User Stories					
	ID	**Summary**	**Developer**	**Planned (h)**	**Performed (h)**	**Enter performed work (h)**	**Rest (h)**	**Actions**

	ID	Summary	Developer	Planned (h)	Performed (h)	Enter performed work (h)	Rest (h)	Actions
🖉	#2	Issue #2						Add Task / Split Story
🖉	#3	Issue #3						Add Task / Split Story
		Task1 of Issue 3	dev1	0.00	0.00	[ ] Enter	0.00	Edit / Adopt / Resolve
		Task2 of Issue 3	dev3	0.00	0.00	[ ] Enter	0.00	Edit / Adopt / Resolve

1. During realization the Task's description may be refined. For this:
   Press **Edit**, do your inputs and press **Save**.
2. When the Task is completed, the Developer finishes it. For this:
   Press **Resolve** at right in the Task's row.

4.4.3 At end of Sprint, the Scrum Master closes the Sprint

Please login as Scrum Master.

Press **Sprint Backlog** → **Close Sprint**.

Ready! You have performed the first Sprint.
In order to start the next one, please go to 4.4.1.