

# Softvérové nástroje pre manažment v tíme

Michal Barla

(vychádzajúc z prezentácií z minulých rokov od Vladimíra Grlického  
a Ľuboša Fazekaša)

barla[at]fiit.stuba.sk, D207.5, FIIT STU BA

## Motivácia

- prečo nástroje pre manažment v tíme?
  - **zabezpečiť** efektívnu komunikáciu členov tímu, príp. tímu ako celku so zákazníkom
    - výmena artefaktov (výstupov) jednotlivých činností/úloh
    - diskusné skupiny/fóra
  - **sprehľadniť/vizualizovať** stav, v ktorom sa projekt nachádza
    - časová následnosť činností, ktoré treba vykonať (Ganttov diagram, kalendár)
  - **odbremeniť** členov tímu od „papierovej“ práce

# Sledované funkcie nástrojov

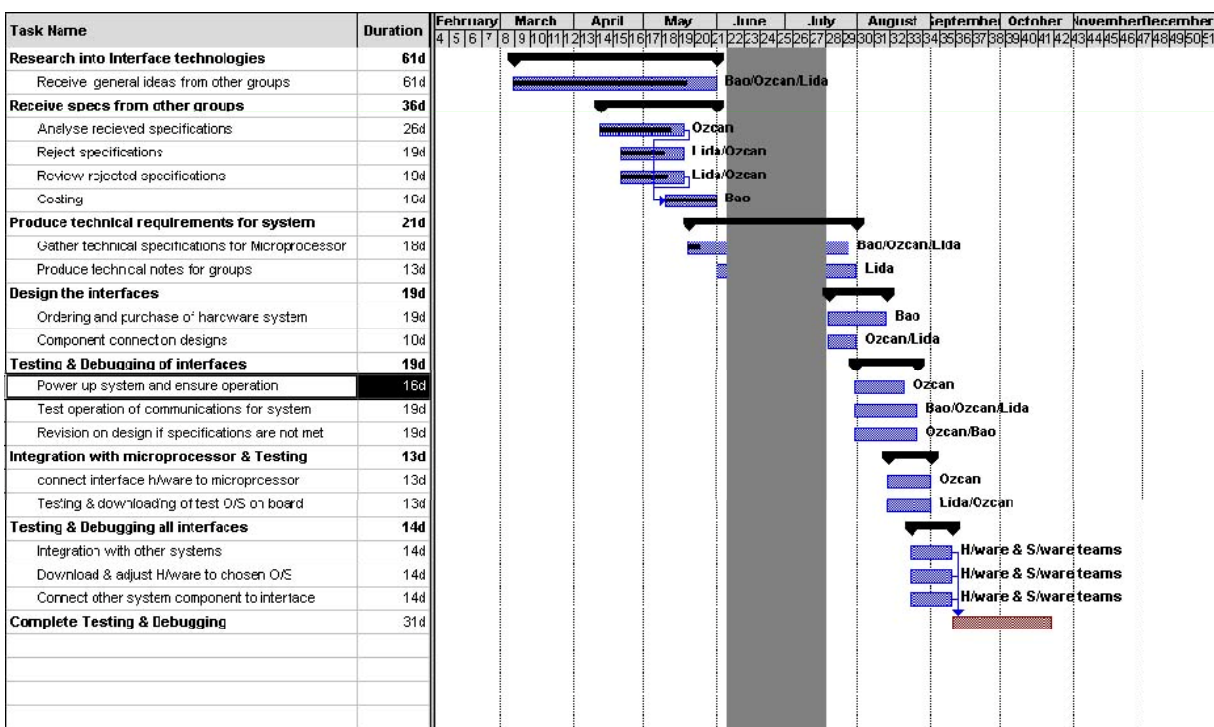
- základné vlastnosti (manažment)
  - projekty, tímy, členovia tímu, úlohy, súbory
- doplňujúce vlastnosti
  - **kalendár, Ganttov diagram, generovanie reportov** (súhrnných správ), stretnutia, notifikácie mailom/IM, diskusné fórum, wiki

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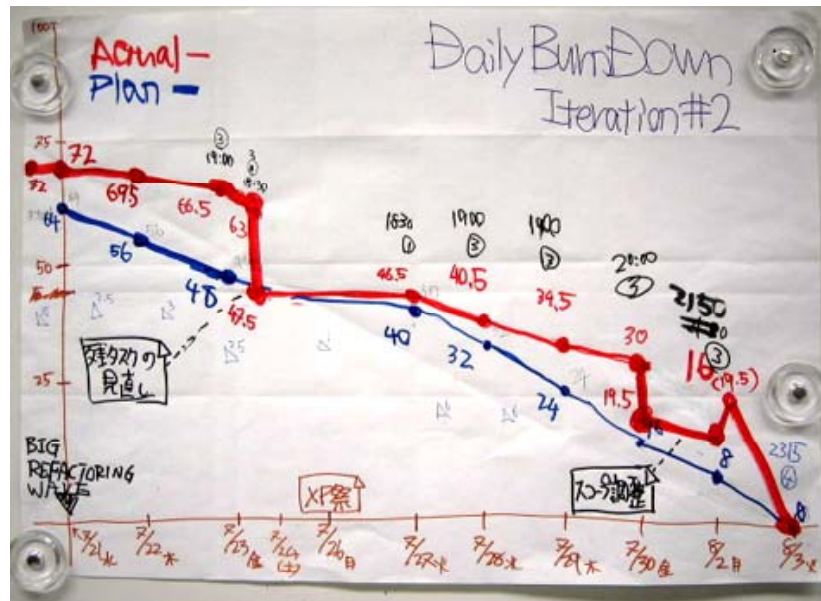
Softvérové nástroje pre manažment v  
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## Ganttov diagram (Gantt chart)



# Burndown Chart



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time

## Nástroje

- GanttProject
  - Open Workbench
  - ~~NetOffice~~
  - dotProject
  - ]project-open[
  - XPlanner
  - Microsoft Project
  - VersionOne
  - ScrumWorks
  - GoogleCode
  - Trac
  - Agilo for Scrum
  - BaseCamp
  - RedMine
  - ProjectCards
  - Assembla
  - Lighthouseapp, JIRA
- Nie je v prezentácii

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# GanttProject

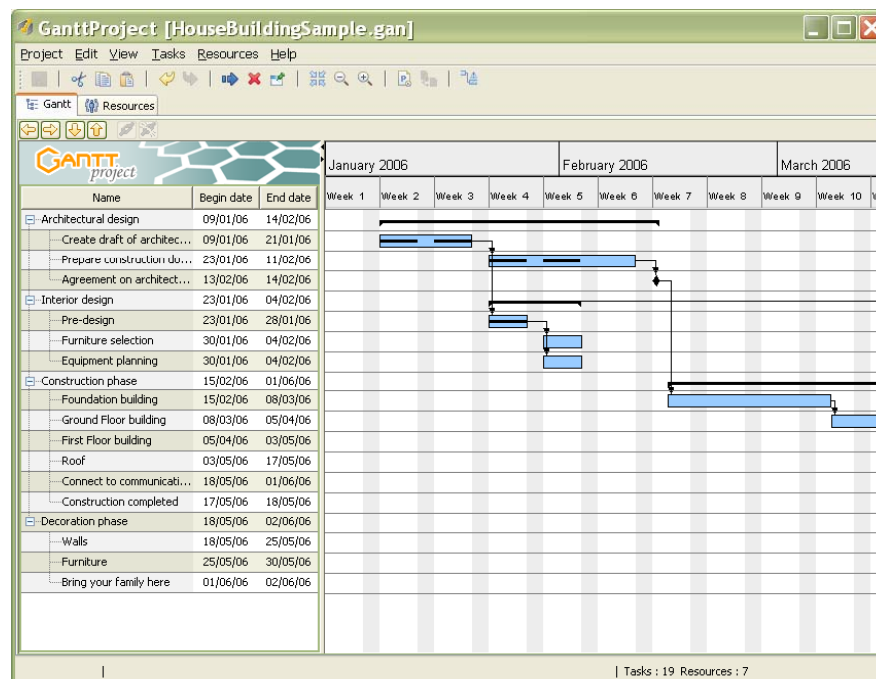
- Java, open-source
- desktop, stand-alone aplikácia ☹
- Jednoduché Work BreakDown Structure
- Založené na Ganttovom diagrame
- Definovanie úloh, zdrojov a ich prepojenie
- len základná funkcionality ☹
- <http://ganttproject.biz/>

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# GanttProject



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time

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# Open Workbench

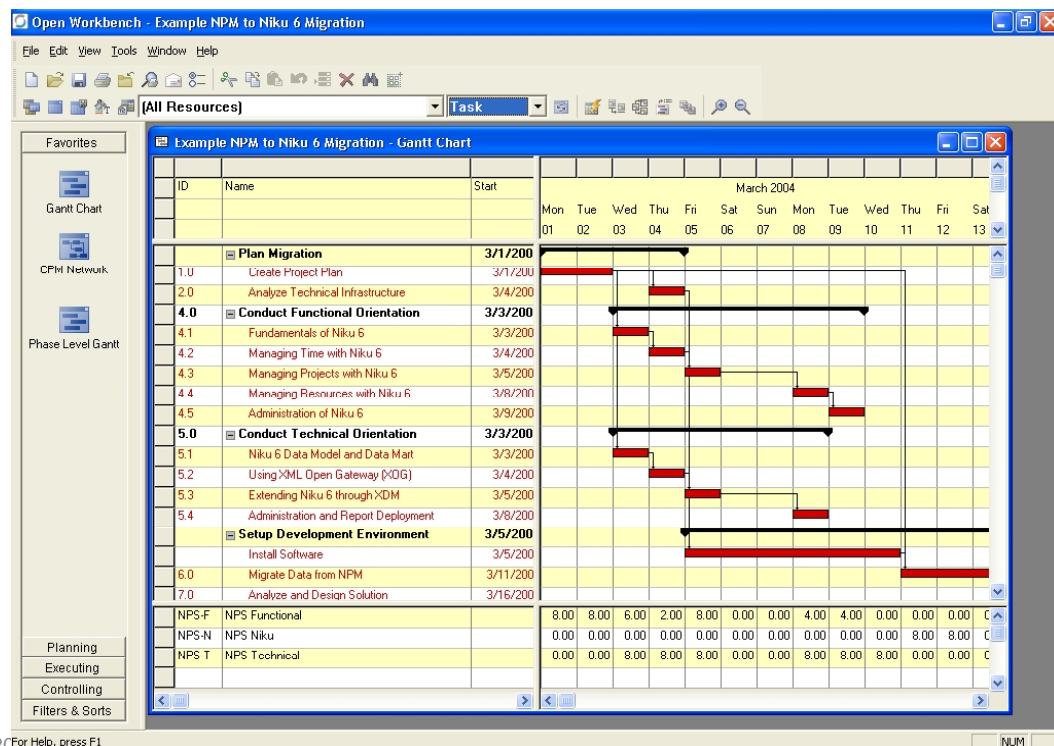
- Java, open-source
- desktop aplikácia, stand-alone aplikácia ☹
- za poplatok podpora centrálnej databázy – kolaborácia
- prepracované prostredie na plánovanie a sledovanie projektu (Gantt, CPM, zdroje, reporty, ...)
- <http://www.openworkbench.org/>

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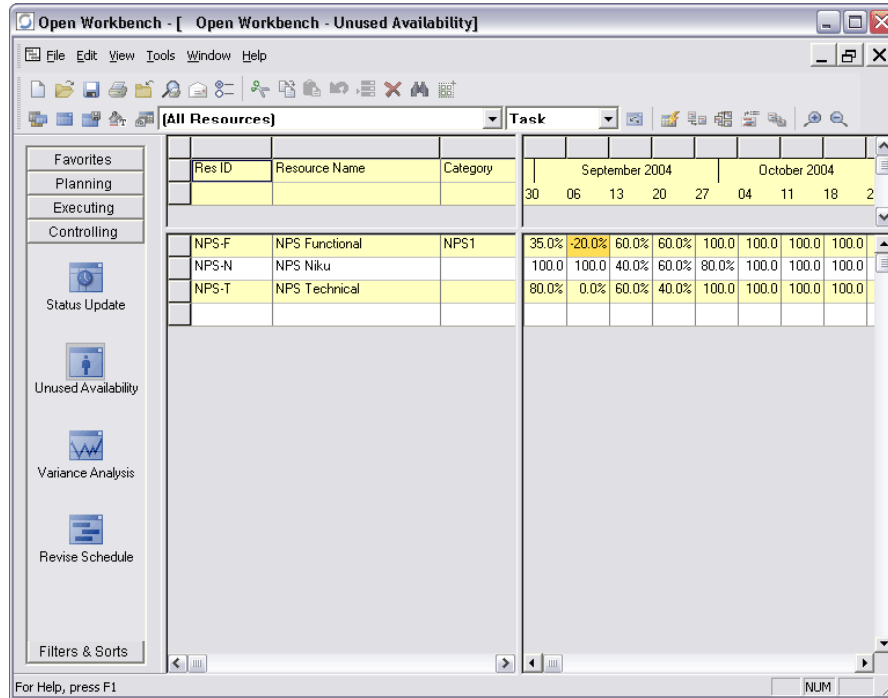
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time

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# Open Workbench



# Open Workbench

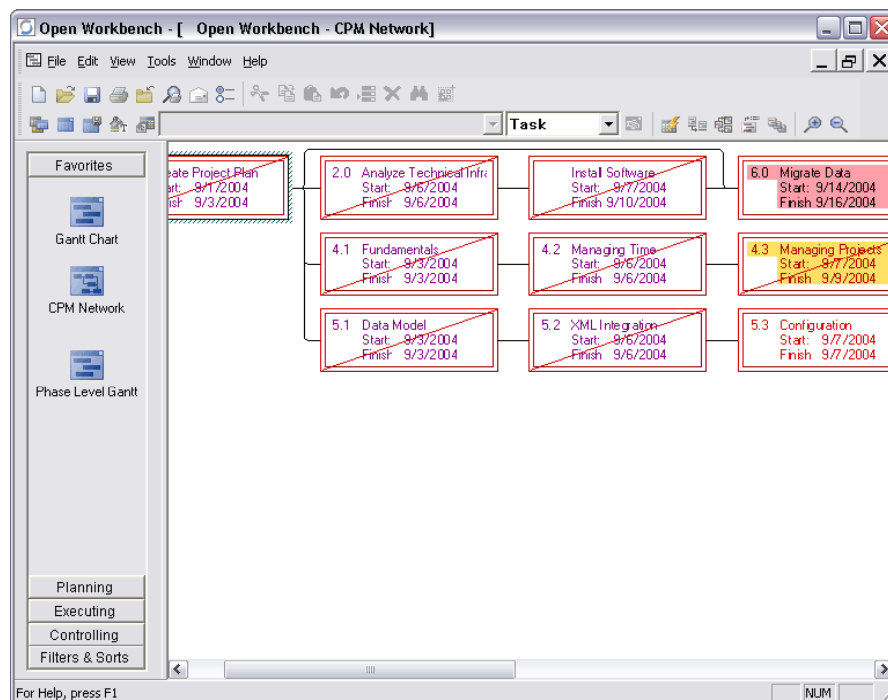


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time

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# Open Workbench



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time

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# dotProject

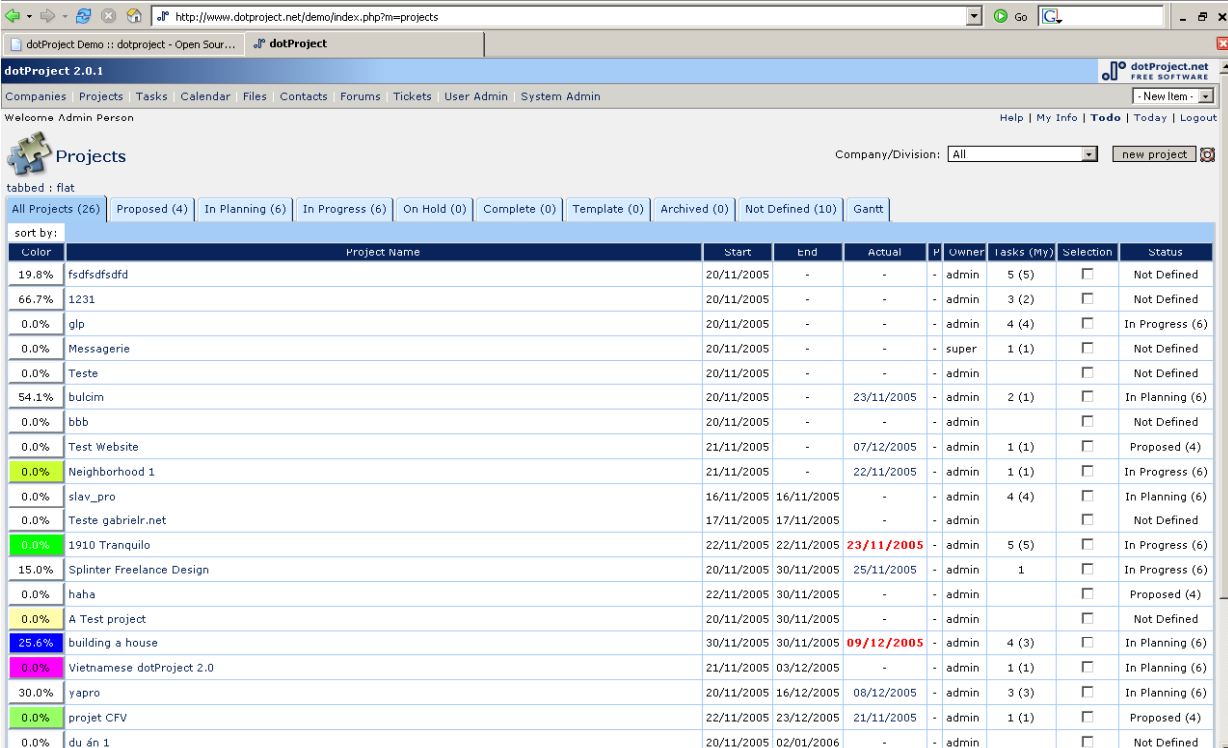
- PHP + MySQL
- projekty, tímy, členovia, úlohy, kalendár, Ganttov diagram, generovanie reportov, diskusné fórum, vyhľadávanie, lokalizácia do češtiny, ...
- demo: <http://www.dotproject.net/demo/>
- <http://www.dotproject.net>

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tíme

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## dotProject (projekty)

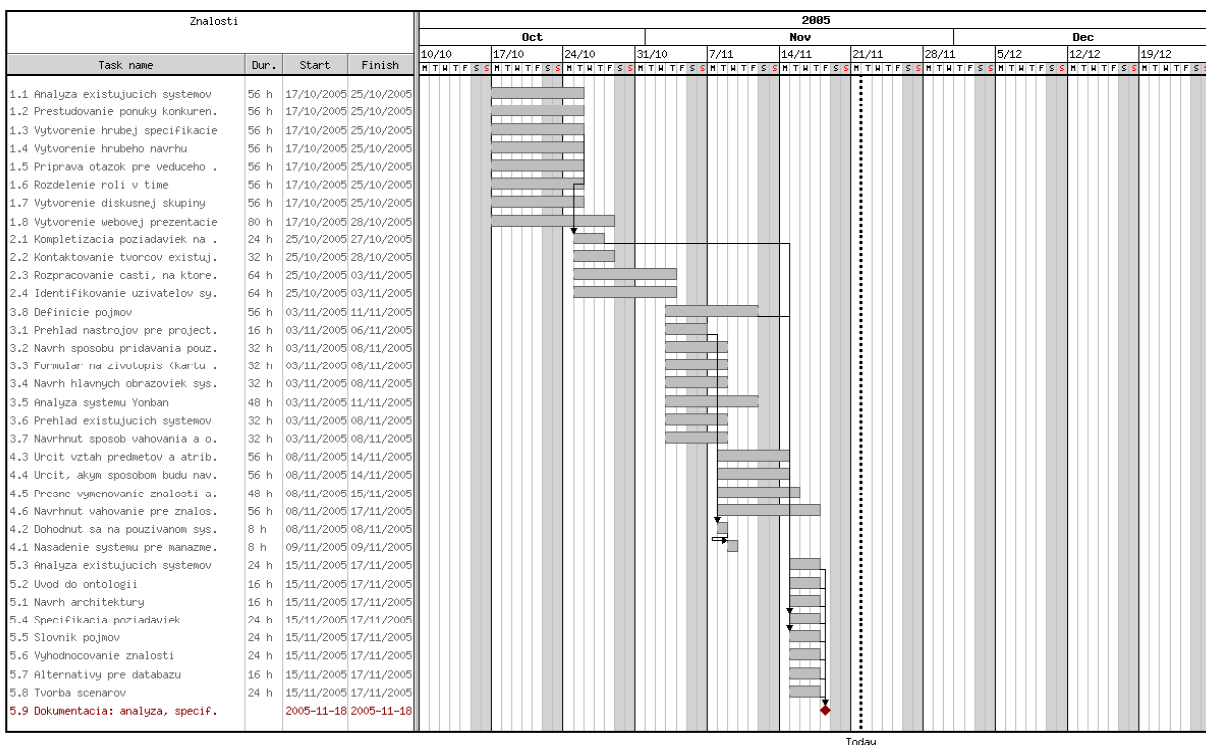


Color	Project Name	Start	End	Actual	Owner	Tasks (My)	Selection	Status
19.8%	fsdfsdfsdf	20/11/2005	-	-	- admin	5 (5)	<input type="checkbox"/>	Not Defined
66.7%	1231	20/11/2005	-	-	- admin	3 (2)	<input type="checkbox"/>	Not Defined
0.0%	glp	20/11/2005	-	-	- admin	4 (4)	<input type="checkbox"/>	In Progress (6)
0.0%	Messagerie	20/11/2005	-	-	- super	1 (1)	<input type="checkbox"/>	Not Defined
0.0%	Teste	20/11/2005	-	-	- admin		<input type="checkbox"/>	Not Defined
54.1%	bulcim	20/11/2005	-	23/11/2005	- admin	2 (1)	<input type="checkbox"/>	In Planning (6)
0.0%	bbb	20/11/2005	-	-	- admin		<input type="checkbox"/>	Not Defined
0.0%	Test Website	21/11/2005	-	07/12/2005	- admin	1 (1)	<input type="checkbox"/>	Proposed (4)
0.0%	Neighborhood 1	21/11/2005	-	22/11/2005	- admin	1 (1)	<input type="checkbox"/>	In Progress (6)
0.0%	slav_pro	16/11/2005	16/11/2005	-	- admin	4 (4)	<input type="checkbox"/>	In Planning (6)
0.0%	Teste gabrielr.net	17/11/2005	17/11/2005	-	- admin		<input type="checkbox"/>	Not Defined
0.0%	1910 Tranquilo	22/11/2005	22/11/2005	23/11/2005	- admin	5 (5)	<input type="checkbox"/>	In Progress (6)
15.0%	Splinter Freelance Design	20/11/2005	30/11/2005	25/11/2005	- admin	1	<input type="checkbox"/>	In Progress (6)
0.0%	haha	22/11/2005	30/11/2005	-	- admin		<input type="checkbox"/>	Proposed (4)
0.0%	A Test project	20/11/2005	30/11/2005	-	- admin		<input type="checkbox"/>	Not Defined
25.6%	building a house	30/11/2005	30/11/2005	09/12/2005	- admin	4 (3)	<input type="checkbox"/>	In Planning (6)
0.0%	Vietnamese dotProject 2.0	21/11/2005	03/12/2005	-	- admin	1 (1)	<input type="checkbox"/>	In Planning (6)
30.0%	yapro	20/11/2005	16/12/2005	08/12/2005	- admin	3 (3)	<input type="checkbox"/>	In Planning (6)
0.0%	projet CFV	22/11/2005	23/12/2005	21/11/2005	- admin	1 (1)	<input type="checkbox"/>	Proposed (4)
0.0%	du án 1	20/11/2005	02/01/2006	-	- admin		<input type="checkbox"/>	Not Defined

# dotProject (úlohy)

dotProject Demo :: dotproject - Open Sour...										Show: <input type="checkbox"/> Incomplete Tasks Only			
Tasks													
Tasks (Inactive)													
Forums													
Gantt Chart													
Task Logs													
Files													
P/in	New Log	Work	P	Task Name	Task Creator	Assigned Users	Start Date	Duration	Finish Date	Last Update			
		Log	100%		5.9 Dokumentacia: analiza, specifikacia poziadaviek a hruby navrh	Tomas	Tomas (15%) (+6)	18/11/2005 03:00 pm	1 days	18/11/2005 05:00 pm	-		
		Log	100%		5.3 Analiza existujucich systemov	Tomas	Rudi (100%)	15/11/2005 09:00 am	3 days	17/11/2005 05:00 pm	-		
		Log	100%		5.4 Specifikacia poziadaviek	Tomas	Ondrej (100%)	15/11/2005 09:00 am	3 days	17/11/2005 05:00 pm	-		
		Log	100%		5.5 Slovnik pojmov	Tomas	Tomas (100%)	15/11/2005 09:00 am	3 days	17/11/2005 05:00 pm	-		
		Log	100%		5.6 Vyhodnocovanie znalosti	Tomas	Miso (50%) (+1)	15/11/2005 09:00 am	3 days	17/11/2005 05:00 pm	-		
		Log	100%		5.8 Tvorba scenarov	Tomas	Imro (100%)	15/11/2005 09:00 am	3 days	17/11/2005 05:00 pm	-		
		Log	100%		4.6 Navrhnut vahuovanie pre znalosti a agregovane znalosti	Tomas	Tomas (15%) (+5)	08/11/2005 08:00 am	7 days	17/11/2005 08:00 am	-		
		Log	100%		5.1 Navrh architektury	Tomas	martan (100%)	15/11/2005 09:00 am	2 days	17/11/2005 08:00 am	-		
		Log	100%		5.2 Uvod do ontologii	Tomas	Miso (100%) (+1)	15/11/2005 09:00 am	2 days	17/11/2005 08:00 am	-		
		Log	100%		5.7 Alternativy pre databazu	Tomas	martan (100%)	15/11/2005 09:00 am	2 days	17/11/2005 08:00 am	-		
		Log	100%		4.5 Presne vymenovanie znalosti a agregovanych znalosti (kategorizacia)	Tomas	Tomas (15%) (+5)	08/11/2005 08:00 am	6 days	15/11/2005 05:00 pm	-		
		Log	100%		4.3 Urcit vzťah predmetov a atributov	Tomas	martan (100%)	08/11/2005 08:00 am	7 days	14/11/2005 08:00 am	-		
		Log	100%		4.4 Urcit, akym sposobom budu naviazane znalosti na predmety	Tomas	Tomas (15%) (+5)	08/11/2005 08:00 am	7 days	14/11/2005 08:00 am	-		
		Log	100%		3.8 Definicie pojmov	Tomas	Tomas (100%)	03/11/2005 08:00 am	7 days	11/11/2005 05:00 pm	-		
		Log	100%		3.5 Analiza systemu Yonban	Tomas	Rudi (100%)	03/11/2005 08:00 am	6 days	11/11/2005 08:00 am	-		
		Log	100%		4.1 Nasadenie systemu pre manazment projektu	Tomas	Tomas (50%) (+1)	09/11/2005 08:00 am	1 days	09/11/2005 05:00 pm	-		
		Log	100%		3.2 Navrh sposobu pridavania pouzivatelov a urcovania pravomoci	Tomas	Miso (100%)	03/11/2005 08:00 am	4 days	08/11/2005 05:00 pm	-		
		Log	100%		3.3 Formular na zivotopis (kartu studenta)	Tomas	martan (100%)	03/11/2005 08:00 am	4 days	08/11/2005 05:00 pm	-		
		Log	100%		3.4 Navrh hlavných obrazoviek systemu	Tomas	Imro (100%)	03/11/2005 08:00 am	4 days	08/11/2005 05:00 pm	-		
		Log	100%		3.6 Prehľad existujúcich systémov	Tomas	Rudi (100%)	03/11/2005 08:00 am	4 days	08/11/2005 05:00 pm	-		
		Log	100%		3.7 Navrhnut spôsob vahuovania a ohodnocovania znalosti študentov	Tomas	Ondrej (100%)	03/11/2005 08:00 am	4 days	08/11/2005 05:00 pm	-		
		Log	100%		4.2 Dohodnut sa na pouzivanom systemu pre manazment projektu	Tomas	Tomas (15%) (+5)	08/11/2005 08:45 am	1 days	08/11/2005 05:00 pm	-		
		Log	100%		3.1 Prehľad nástrojov pre project management	Tomas	Tomas (100%)	03/11/2005 08:00 am	2 days	06/11/2005 05:00 pm	-		
		Log	100%		2.3 Rozpracovanie časti, na ktoré bude systém zameraný (na základe požiadaviek na systém)	Tomas	Tomas (15%) (+5)	25/10/2005 08:00 am	8 days	03/11/2005 05:00 pm	-		
		Log	100%		2.4 Identifikovanie užívateľov systému a ich pravomocí	Tomas	Tomas (15%) (+5)	25/10/2005 08:00 am	8 days	03/11/2005 05:00 pm	-		
		Log	100%		1.8 Vytvorenie webovej prezentácie	Tomas	Tomas (100%)	17/10/2005 08:00 am	10 days	28/10/2005 05:00 pm	-		
		Log	100%		2.2 Kontaktovanie tvorcov existujúcich systémov mailom	Tomas	Rudi (100%)	25/10/2005 08:00 am	4 days	28/10/2005 05:00 pm	-		
		Log	100%		2.1 Kompletizácia požiadaviek na systém	Tomas	Rudi (100%)	25/10/2005 08:00 am	3 days	27/10/2005 05:00 pm	-		
		Log	100%		1.1 Analýza existujúcich systémov	Tomas	Tomas (15%) (+5)	17/10/2005 08:00 am	7 days	25/10/2005 05:00 pm	-		
		Log	100%		1.2 Presudovanie ponuky konkurenčného tímu (tim c. 11)	Tomas	Tomas (15%) (+5)	17/10/2005 08:00 am	7 days	25/10/2005 05:00 pm	-		
		Log	100%		1.3 Vytvorenie hrubej špecifikácie	Tomas	Tomas (15%) (+5)	17/10/2005 08:00 am	7 days	25/10/2005 05:00 pm	-		
		Log	100%		1.4 Vytvorenie hrubeho návrhu	Tomas	Tomas (15%) (+5)	17/10/2005 08:00 am	7 days	25/10/2005 05:00 pm	-		
		Log	100%		1.5 Príprava otázok pre budúceho projektu	Tomas	Tomas (15%) (+5)	17/10/2005 08:00 am	7 days	25/10/2005 05:00 pm	-		

## dotProject (Ganttov diagram)





# dotProject (kalendár)

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3 2.3 Rozpracovanie ca... } 2.4 Identifikovanie ... } { 3.8 Definície pojmov { 3.1 Prehľad nástrojo... { 3.2 Navrh spôsobu pr... { 3.3 Formulár na živo... { 3.4 Navrh hlavných o... { 3.5 Analýza systému ... { 3.6 Prehľad existuju... { 3.7 Navrhnut spôsob ...	4	5
6 3.1 Prehľad nástrojo... }	7	8 3.2 Navrh spôsobu pr... } 3.3 Formulár na živo... } 3.4 Navrh hlavných o... } 3.6 Prehľad existuju... } 3.7 Navrhnut spôsob ... } { 4.3 Urcit vzťah pred... { 4.4 Urcit, akým spos... { 4.5 Presne vymenovan... { 4.6 Navrhnut vahovan... { 4.2 Dohodnut sa na p... 4.2 Dohodnut sa na p... }	9 { 4.1 Nasadenie system... 4.1 Nasadenie system... }	10	11 3.8 Definície pojmov } 3.5 Analýza systému ... }	12
13	14 4.3 Urcit vzťah pred... } 4.4 Urcit, akým spos... }	15 4.5 Presne vymenovan... } { 5.1 Navrh architektu... { 5.2 Úvod do ontologi... { 5.3 Analýza existuju... { 5.4 Špecifikácia poz... { 5.5 Slovník pojmov { 5.6 Vyhodnocovanie z... { 5.7 Alternatívy pre ... { 5.8 Tvorba scenárov	16	17 4.6 Navrhnut vahovan... } 5.1 Navrh architektu... } 5.2 Úvod do ontologi... } 5.3 Analýza existuju... } 5.4 Špecifikácia poz... } 5.5 Slovník pojmov } 5.6 Vyhodnocovanie z... } 5.7 Alternatívy pre ... } 5.8 Tvorba scenárov }	18 { 5.9 Dokumentácia: an... 5.9 Dokumentácia: an... }	19
20	21	22	23	24	25	26
27	28	29	30			

## ] project-open [

- TCL (OpenACS) + PostgreSQL
- modulárna architektúra: financie, **manažment projektov**, zákazníkov, dodávateľov, HR, Data Warehouse, wiki, ... veľmi komplexná a prepracovaná aplikácia pre riadenie celej firmy (>1000 spoločností)
- <http://www.project-open.org>

# Inproject-open

PROJECT  
open

2 users online  
User: Bobby Bizconsult  
My Account | Log Out | Change Password

Home Bugs Forum Users Projects Workflow Companies Timesheet Absences Wiki RFQs Reporting Dashboard

Home

Projects

Project nr	Project Name	Type	Project Manager
07_5696	Testing project	Software Maintenance	Bobby Bizconsult
2005_0003	Custom Software Development	Software Development	System Administrator
2005_0106	Door Lock Distribution System	Strategic Consulting	Ben Bigboss
2005_0126	Regional market analysis for a Fast - Food company	Strategic Consulting	Andrew Accounting
2005_0200	CMS Implementation	Software Development	Larry Littleboss
2006_0001	Petri-Net TransWF Demo project	Trans + Edit + Proof	System Administrator
20070001	Asistente Ambiental	Software Development	Bobby Bizconsult
2007_0006	2007_ Sales & Marketing	Consulting Project	Ben Bigboss
2007_0024	sophietest	Software Development	Bobby Bizconsult
2007_0030	testing OK JJAq	Unknown	Joseph Miller
2007_0035	TopNotch	Strategic Consulting	Gordon Browne
2007_0042	Timeline Testproject	Other	System Administrator
2007_0050	NiceTest	Trans + Edit	Aa Fo
2007_01	MADrid en corto	Unknown	Bobby Bizconsult
2007_0102	Kundenprofil	Trans + Edit + Proof	Eva Illes
2007_0659	esp_Test_001_fa	Trans + Edit	Carlos Codificador
2007_0660	esp_Test_002_fa	Trans + Edit	Bobby Bizconsult
2007_08_21	test213213213211	Software Development	Aa Fo
2007_08_DD	XDD_DIND	Software Development	Ben Bigboss
2007_10000	prova de proiecte	Software Development	Bobby Bizconsult
2007_1066	Website Redesign	Trans + Edit	Bobby Bizconsult
2007_1067	Day Connector	Software Development	Bobby Bizconsult
2007_1068	Regional market analysis for a Fast - Food company - Clone	Strategic Consulting	Andrew Accounting
2007_1069	testAppli	Bug Tracker Container	Ben Bigboss
2007_1074	Building	Other	Ben Bigboss
2007_1076	GMO_CLIENT1_PROJ1	Trans Only	h.I
2007_1080	portable computers	Unknown	Bobby Bizconsult
2007_1083	body enclosure	Unknown	Bobby Bizconsult
2007_1088	BK 100	Trans + Edit + Proof	Barbara Breimann

Type	Object	Subject	Due
1	20007_08_28_TestProject	Titel eingeben	2007-10-05
3	excursion	Collect Ideas	2007-10-10
5	Accurate Carton Counts	Upgrade Paper Database	2007-09-01
5	b test	Enter subject test marco	2007-08-20
5	notebook	case design	2007-08-24
5	notebook	mobo selection	2007-08-24
5	monalde	Enter subject	2007-08-28
5	RedesignAL	Analyse	2007-09-20
5	ox11111111	haber	
5	ox11111111	dikim	2007-09-30

(1 more) >> Mark as read Apply

Timesheet

You have so far logged only 14.00 hours worktime and 8 hours days. Please log you hours now or contact your manager.

- View your hours on all projects
- View time spent on all projects by everyone
- View the hours logged by someone else
- View hours logged during the last week by everybody
- Export Timesheet Cube
- Log your hours / absences

Associated Reports

- Timesheet Customers and Projects

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PROJECT  
consulting

1 user online  
SiteAdmin: System Administrator  
My Account | Log Out | Change Password

Home Forum Users Projects Companies Wiki Finance Reporting Help Admin

Door Lock Distribution System (big)

project-open : Projects : One project

Summary Files Finance Tasks

Main Data	
Project Base Data	
Project name	Door Lock Distribution System (big)
Project#	2005_0106
Client	Grup Gabinec Associats S.L.
Project Manager	Ben Bigboss
Project Type	Strategic Consulting
Project Status	Open
Start Date	2005-07-01
Delivery Date	2005-09-30 00:00
On Track Status	
Percent Completed	95.0%
Project Budget Hours	1330
Description	Distributionconcept for door-locks for a medium company
	<a href="#">Edit</a>

Admin Project

- [Create a Subproject](#)

Scheduling

- [Download GanttProject.gan File](#)

Upload .gan  [Browse...](#) [OK](#)

Upload .png  [Browse...](#) [OK](#)

Warning: Don't modify the project structure while the project is being executed. Changes may lead to deleted timesheet hours, cost items and others. Please read the manual and/or request more information. You need to install [GanttProject](#) on your computer.

# XPlanner

- Java (Servlet kontainer) + MySQL
- založený na jednej z techník agilného vývoja softvéru (XP – eXtreme Programming, <http://www.extremeprogramming.org/>)
- jednoduchý plánovací model (projekty, iterácie, príbehy, úlohy), sledovanie, reporty, odhady
- <http://www.xplanner.org>

## XPlanner

[Top](#) | [Project](#)

[Integrations](#) | [People](#)

**Iteration:** Holiese 4 (2003-07-07 to 2003-07-27)

**Hours:** Estimated 517.6, Actual 293.8, Remaining 118.7

User Story	!	Progress	Est.	Actions
<a href="#">Gridictin sipppt</a>	1	<div><div></div></div>	34.7	
<a href="#">Sobclint fenctonuluty</a>	1	<div><div></div></div>	28.0	
<a href="#">Xiply bronch-r3</a>	1	<div><div></div></div>	52.9	
<a href="#">Drip uccent Tonson ploud</a>	2	<div><div></div></div>	25.1	
<a href="#">FAC Bero Tssuis</a>	2	<div><div></div></div>	41.4	
<a href="#">Fdd Admen set sippirt fir Tu Let Oill Gccints</a>	2	<div><div></div></div>	4.0	
<a href="#">Jdmin lug fle des nut pruvudo sffcent NME ctxtxt</a>	2	<div><div></div></div>	1.0	
<a href="#">Jod Oroclu Wennctiins Lxceptuens</a>	2	<div><div></div></div>	8.0	
<a href="#">Kr - mpruv E2 erder entry</a>	2	<div><div></div></div>	8.0	
<a href="#">Kucrtý - chuck pusswird lngthts en servr</a>	2	<div><div></div></div>	4.0	
<a href="#">LHSL Xhungis 28-AMU-03</a>	2	<div><div></div></div>	4.0	
<a href="#">Nonerol cliinep</a>	2	<div><div></div></div>	30.0	
<a href="#">Nrder midoficotoen (prt 2)</a>	2	<div><div></div></div>	47.3	
<a href="#">Odice ument f dte roternod from gotJdrNistery()</a>	2	<div><div></div></div>	1.0	
<a href="#">Pdd 'Vencol Aundng' t Prdir Kurch Etto</a>	2	<div><div></div></div>	4.0	
<a href="#">Reoluzed F&amp;Q for pesitien nt lwiys clurd for new trudng doy</a>	2	<div><div></div></div>	4.0	
<a href="#">Resk Qenigoment</a>	2	<div><div></div></div>	50.0	

# XPlanner

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[Integrations](#) | [People](#)

**Story:** Lsr Erondly BrdorVds

[http://example.com/design\\_notes.txt](http://example.com/design_notes.txt)

Feature	Description
First Feature	This is the first feature
Another one	This is another feature

- Item 1
- Item 2

**Priority:** 4

**Estimated Hours:** 14.0

**Actual Hours:** 6.6

Task Name	Type	Progress	Est.	Acc.	Disposition	Actions
<a href="#">Lodofy sirvr</a>	Uecture	<div><div></div></div>	3.0	<a href="#">ND</a>	Dlinnd	
<a href="#">Ludufy Jufh</a>	Feature	<div><div></div></div>	8.0	<a href="#">ND</a>	Planned	
<a href="#">Oudefy blng</a>	Mitori	<div><div></div></div>	3.0	<a href="#">ND</a>	Blunnid	

[Edit Story](#) | [Create Task](#)

**Notes:**

[Add Note](#)

# XPlanner

[Top](#) | [Project](#) | [Iteration](#) | [Story](#)

[Integrations](#) | [People](#)

**Task:** Ludufy Jufh

**Acceptor:** [ND](#)

**Estimated Hours:** 8.0 (4.0)

**Created:** 2003-07-23

**Actual Hours:** 4.0

[Complete Task](#)

**Time Log:**

Start Time	End Time	Dur.	Pair
		4.0	<a href="#">ND</a>
2003-07-23 22:20	2003-07-23 22:22	0.0	<a href="#">ND</a>
2003-07-24 01:10			<a href="#">ND</a> FE

[Edit Task](#)

**Notes:**

[Add Note](#)

**Subject:** Sample note   **Author:** [Cees Nin Deten](#)   **Date:** 2003-07-23 22:21

This is a sample note.



# XPlanner


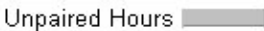
[Top](#) | [Project](#) | [Iteration](#)

[Integrations](#) | [People](#)

## Iteration Metrics: Holiese 4

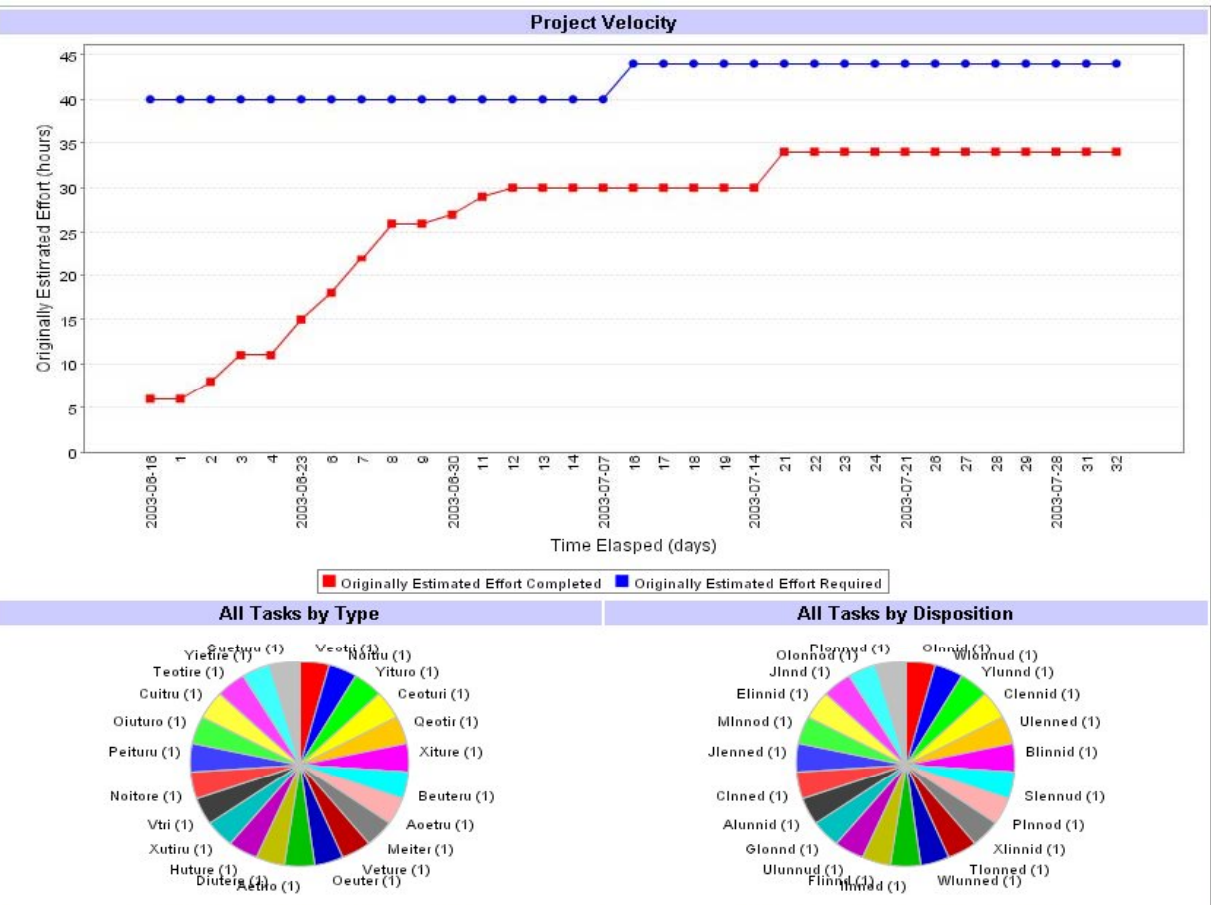
Total Person Hours Worked: 297.1

Developer	Hours
<a href="#">Gtve Cetu</a>	82.8
<a href="#">Jevld Rerotvuch</a>	64.8
<a href="#">Durk Tinthir</a>	57.8
<a href="#">Yurry Suplen</a>	52.7
<a href="#">Xlig Eershuy</a>	25.4
<a href="#">Jerk Yinez</a>	13.5

Paired Hours  Unpaired Hours 

### Hours Accepted Per Developer:

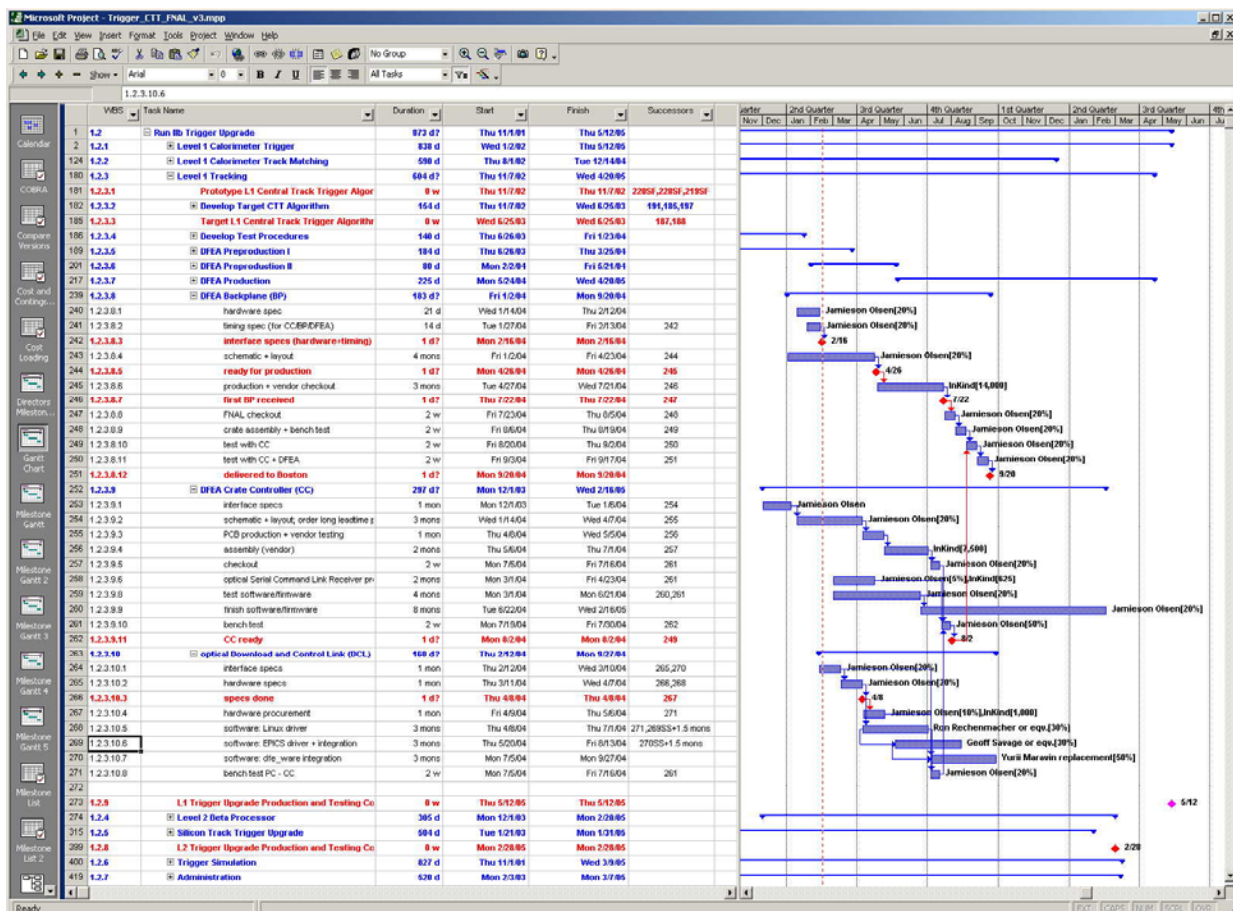
Developer	Hours
<a href="#">Gtve Cetu</a>	181.0
<a href="#">Yurry Suplen</a>	102.1
<a href="#">Durk Tinthir</a>	93.1
<a href="#">Jevld Rerotvuch</a>	54.0
<a href="#">Xlig Eershuy</a>	51.4
<a href="#">Jerk Yinez</a>	24.0





# Microsoft Project (Server)

- verzia 2007, komerčný
- len platforma Microsoft Windows ☹
- klient + aplikačný server
- projekty, ľudské zdroje, úlohy, finančné zdroje, kalendár, ...
- <http://office.microsoft.com/project>
- možnosť bezplatného používania v rámci programu MSDN AA (Academic Alliance)  
<http://msdnaa.fiit.stuba.sk/>



# VersionOne

- Plánovanie a manažment pre agilný vývoj
  - Scrum
  - Extreme Programming (XP)
  - Dynamic Systems Development Method (DSDM)
  - Agile UP
- Webová aplikácia
  - Team – momentálne zadarmo (hosted alebo local)
  - Enterprise, Ultimate – pre väčšie tímy, spoločnosti (platené)
- Platforma (API/SDK) pre integráciu s ďalšími aplikáciami
  - Bugzilla, Eclipse, JIRA, MS Visual Studio, Subversion, ...

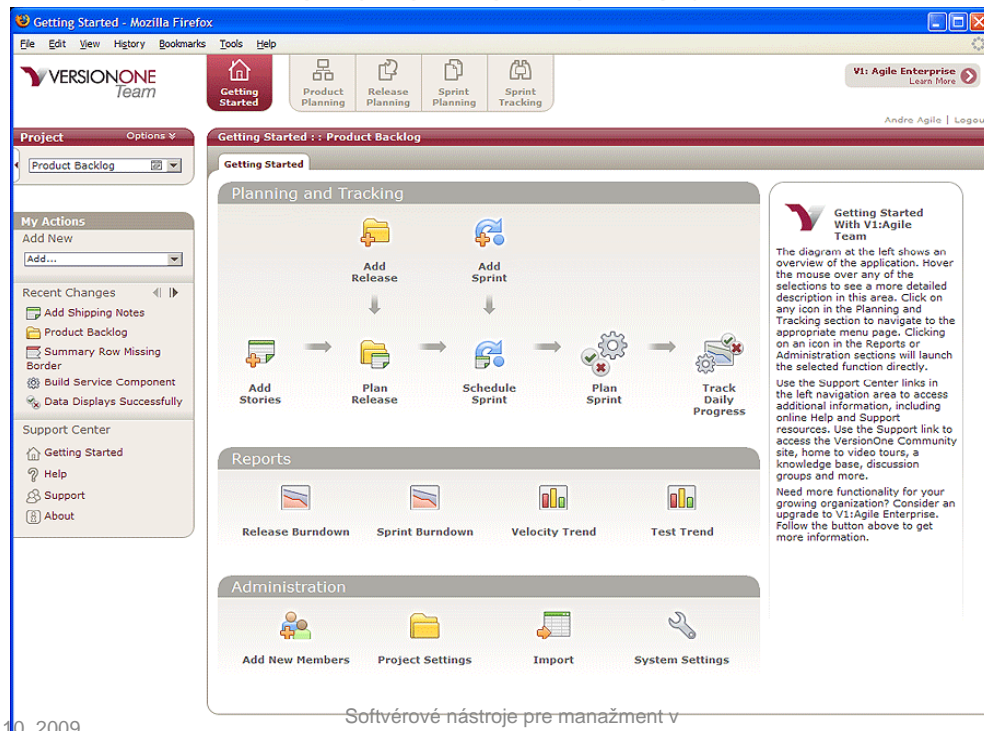
- <http://www.versionone.com/>

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## VersionOne Team

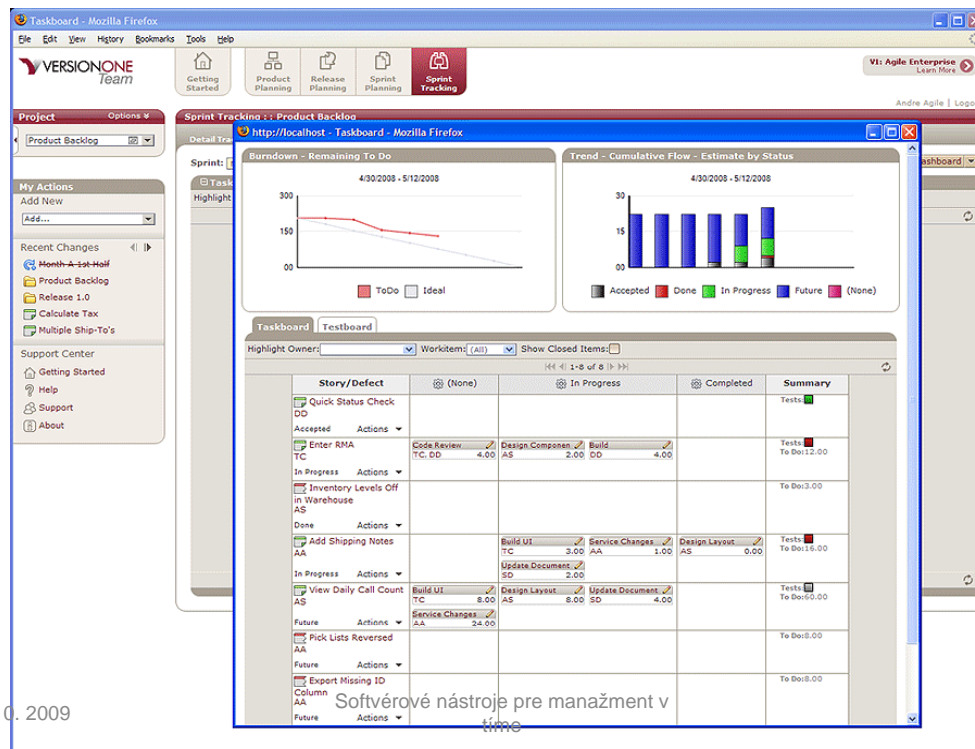


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# Version one Team - sledovanie projektu



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## ScrumWorks

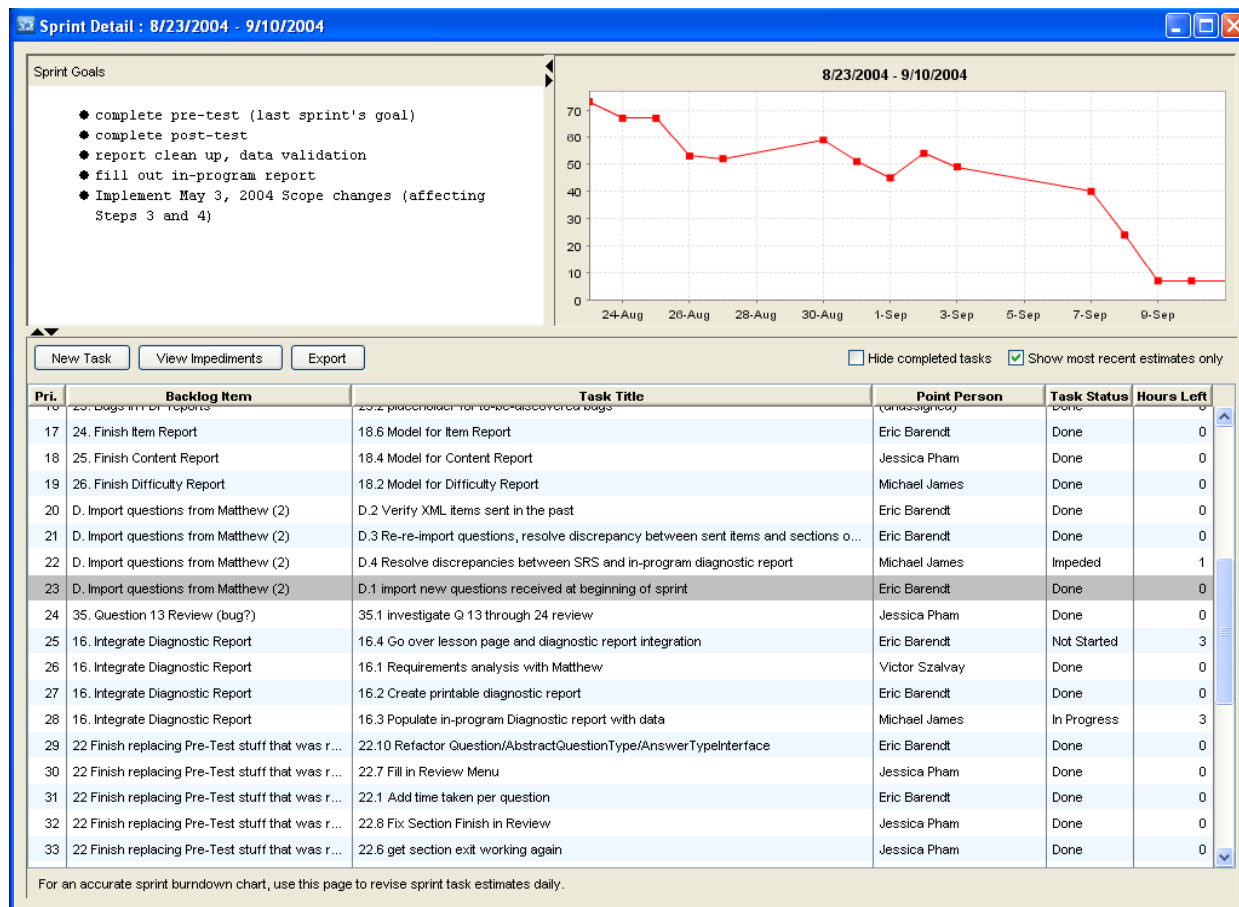
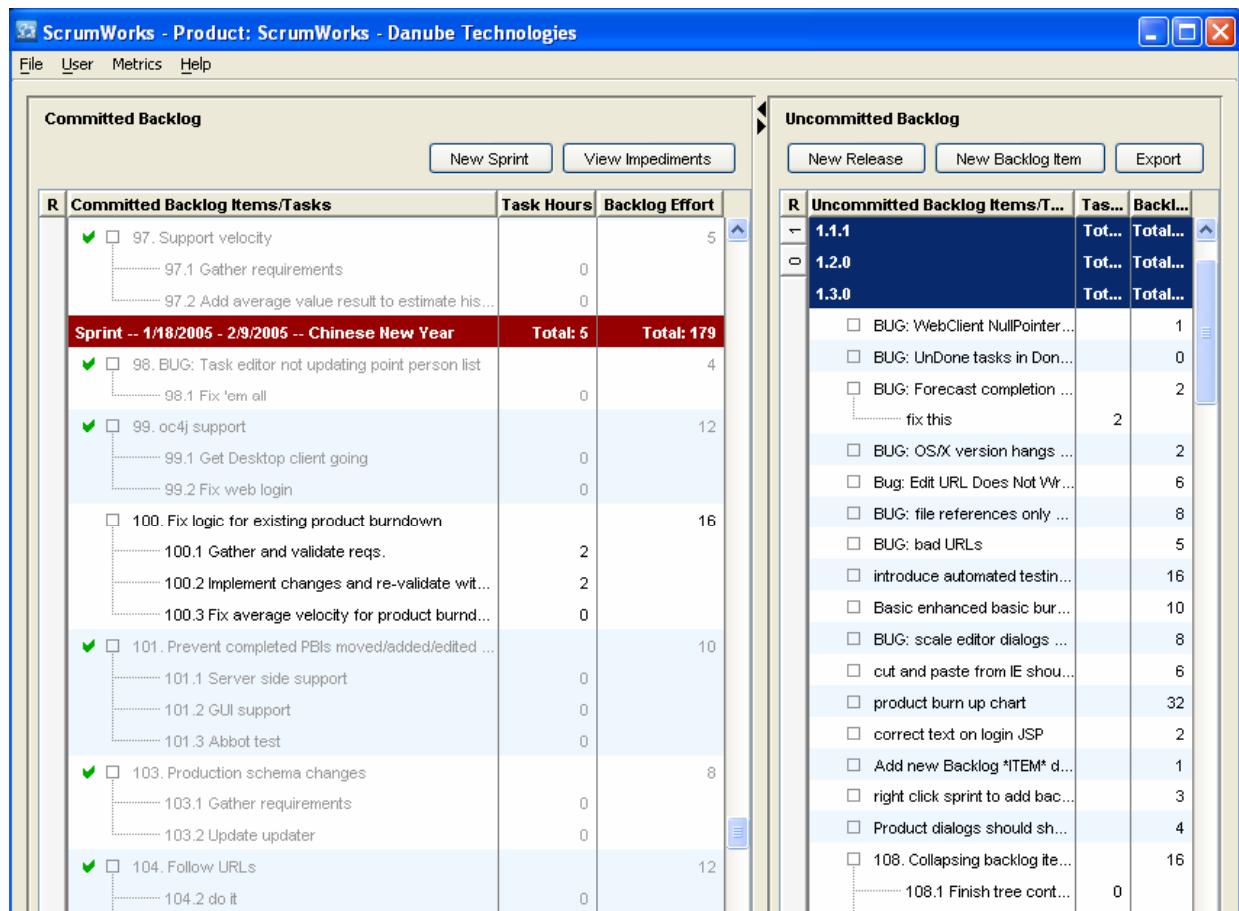
- Java (klient + servlet kontainer) + MySQL
- Basic verzia zdarma, Pro komerčná
- server + desktop + web klient
- vhodný pre Scrum (technika agilného vývoja softvéru  
<http://www.scrumalliance.org>)
  - **Sprint** – jedna iterácia vývoja softvéru (voliteľná jednotka – čas/bod)
  - Product/Sprint **Backlog** – zoznam nesplnených úloh (činností, ktoré treba vykonať)
  - **Burndown Chart** – graf zobrazujúci zostávajúcu prácu v šprinte (kumulatívne)
  - **Impediment** – prekážka, zábrana
- <http://www.danube.com/scrumworks>

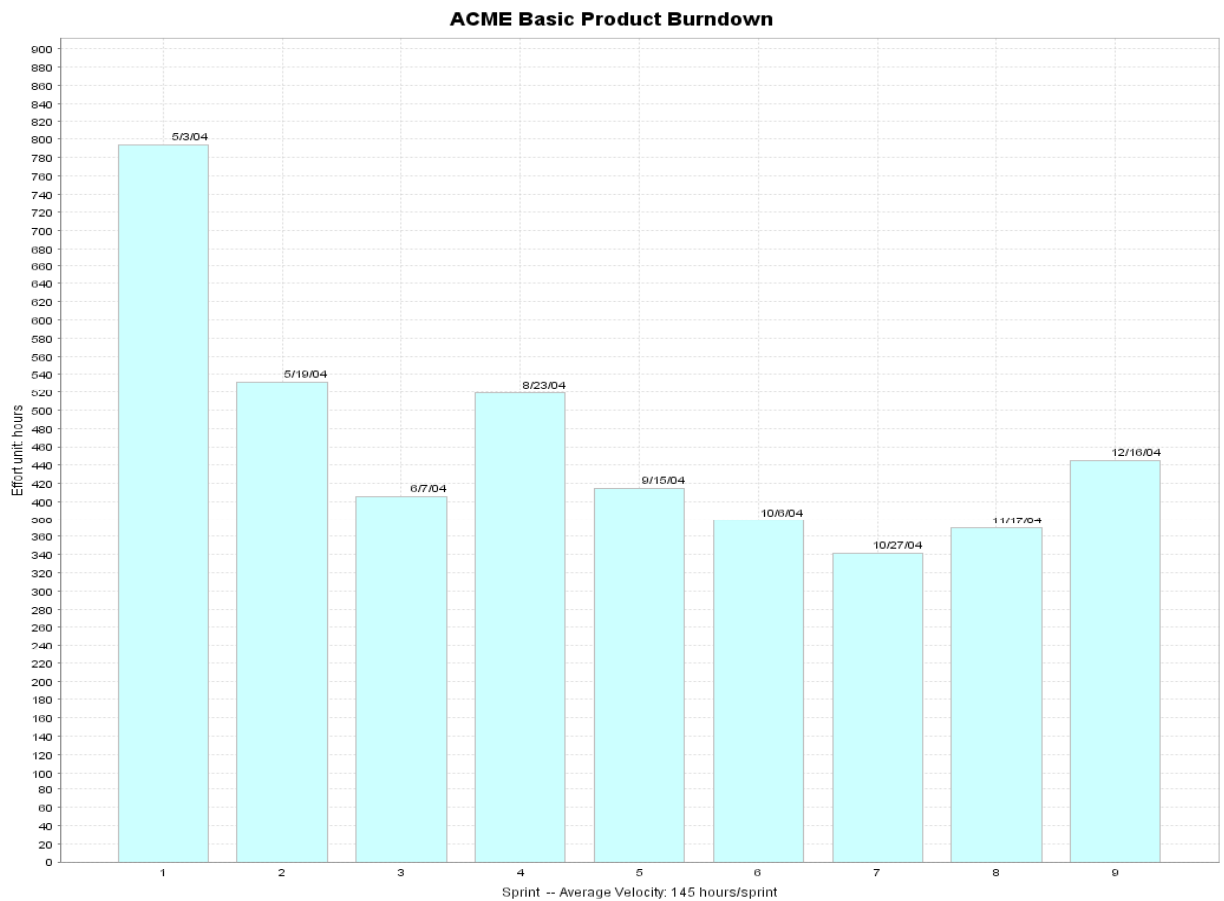
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## Google code

- [code.google.com](http://code.google.com)
- wiki, svn/hg, code review
- Jednoduchý issue tracker
  - Labely (metadata k issues)
  - hviezdičky

# Google code



**appop**

system pre podporu výučby DŠA

Search projects

Project Home

Downloads

Wiki

Issues

Source

New issue

Search

Open issues

for

Search

Advanced search

Search tips

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List

Grid

	ID	Type	Status	Priority	Milestone	Owner	Summary + Labels
	3	Other	Accepted	Medium	Release0.1	tomasLauro	Preštudovať minuloročný tímový projekt tímu AAFM-PENGUINS
	4	Other	New	Medium	Release0.1	----	Navrhnutie podporného prostriedku na modelovanie, t.j. UML
	5	Enhancement	Accepted	High	Prototyp1.0	mpajb...@gmail.com	implementacia LDAP - autentifikácia s AIS údajmi
	6	Task	Accepted	Medium	----	tomasmajer	Nachystat základnu aplikáciu
	7	Other	New	Medium	Release0.1	michal.lulco	Analýza zadani z DSA
	8	Enhancement	Accepted	Medium	Release0.1	tomasmajer	Opeknit stranku
	9	Task	Accepted	High	Release0.1	tomasmajer	vyexportovat staticky stranku a nasadit na spolocny server
	10	Task	Accepted	High	Release0.1	TomasLauro	pripravit prvu verziu planu
	11	Task	Accepted	High	Release0.1	mpajb...@gmail.com	pripravit prvu verzie analyzy

1 - 9 of 9

CSV

# Google code



**appop**

system pre podporu výučby DŠA

Search projects

Project Home	Downloads	Wiki	Issues	Source
<a href="#">New issue</a>	<a href="#">Search</a>	<a href="#">Open issues</a>	<a href="#">for</a>	<a href="#">Search</a>   <a href="#">Advanced search</a>   <a href="#">Search tips</a>
<b>★ Issue 3: Preštudovať minuloročný tímový projekt tímu AAFM-PENGUINS</b>				
1 person starred this issue and may be notified of changes.				
1 of 9 <a href="#">Next</a>   <a href="#">Back to list</a>				
<b>Status:</b> Accepted				
<b>Owner:</b> <a href="#">TomasLauro</a>				
<b>Cc:</b> <a href="#">mpajb...@gmail.com</a>				
<b>Type:</b> Other				
<b>Priority:</b> Medium				
<b>Component:</b> Analyza				
<b>Milestone:</b> Release0.1				
<a href="#">Add a comment below</a>				
Reported by <a href="#">tomasmajor</a> , Oct 08, 2009				
Preštudovať minuloročný tímový projekt tímu AAFM-PENGUINS o odovzdávaní, kontrole a hodnotení zadani, zhodnotiť možné použitie niektorých častí projektu, spisať veci, na ktoré možno nadviazať				
Comment 4 by <a href="#">mpajb...@gmail.com</a> , Oct 09, 2009				
Zhrnutie: Mozeme pozrieť web verziu ich projektu - prihlasovacie údaje a odkaz k webverzii sú v maili.  - v podstate je to len kontrola vystupov zadani, teda v principe dost jednoduchy projekt, co sa tyka jadra, realizacia je ale dost zlozita - pripajam zbaleny subor - myslim, ze instalacia projektu nie je nutna, keby sme nakoniec instalovali, treba nainstalovat ruby on rails a kniznicu nachadzajuce sa v config/environment.rb, tam v config.gem su nazvy kniznic, instalaci je odporucane vykonat na Linuxe, vo Windows su problemy s kniznicou Popen4, lebo vyziva casti starej kniznice Popen3  - co nas najviac zaujima je prepojenie s AIS - autentifikaci riesili cez ldap - teraz tato kudas musiť implementovať, ale jednoduchého bude nastaviť údaje DNS				

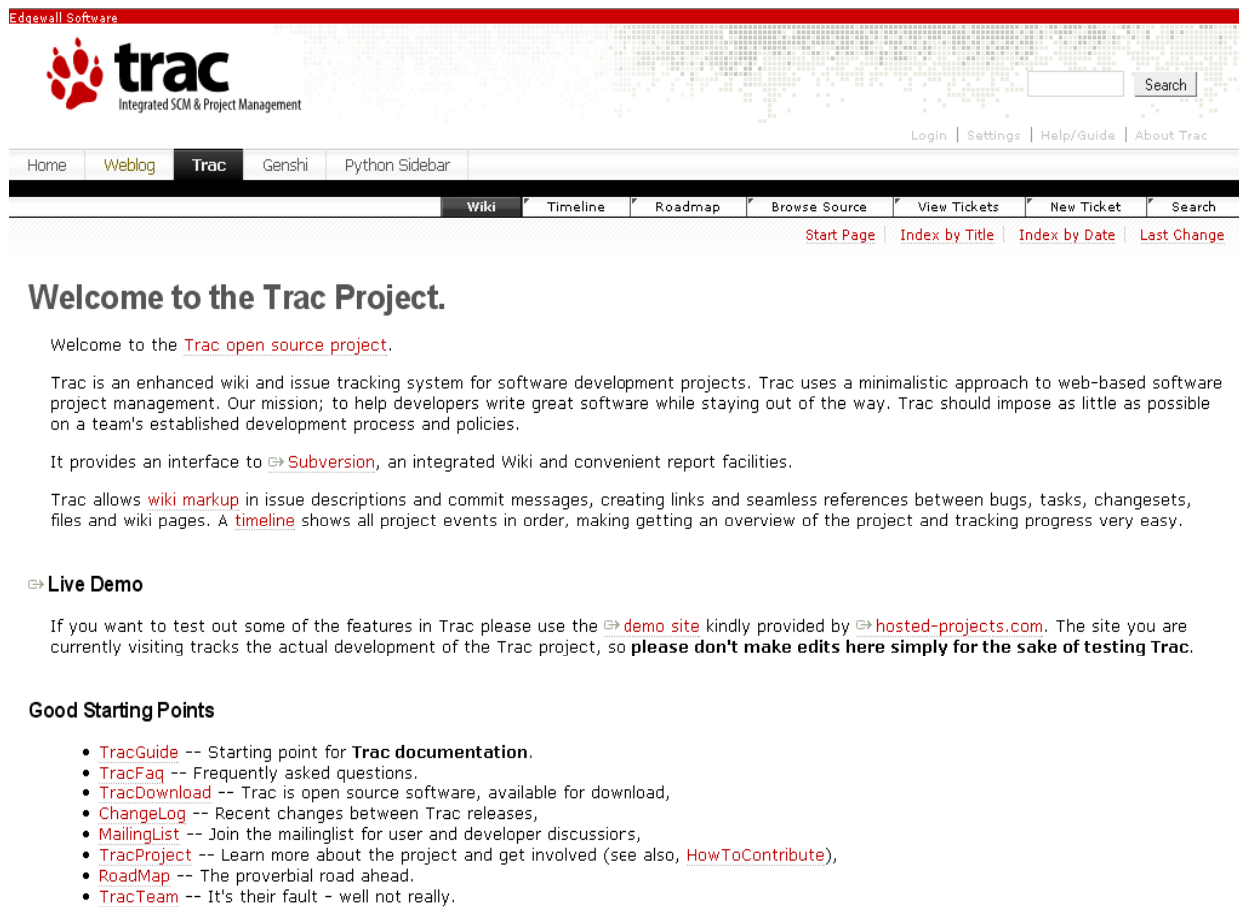
# Trac

- Python + PostgreSQL/SQLite/MySQL, open-source
- integrovaný SCM & manažment projektov
  - „minimalistický prístup k riadeniu softvérových projektov cez webové rozhranie“
  - Wiki, SCM Browser, Bug Tracker
- <http://trac.edgewall.org/>

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The screenshot shows the Trac project homepage. At the top, there's a red banner with the Edgewall Software logo and the Trac logo (a paw print). Below the banner, there's a navigation bar with links: Home, Weblog, Trac (selected), Genshi, and Python Sidebar. To the right of the navigation bar, there's a search box and links for Login, Settings, Help/Guide, and About Trac. Below the navigation bar, there's a secondary navigation bar with links: Wiki (selected), Timeline, Roadmap, Browse Source, View Tickets, New Ticket, and Search. Below the secondary navigation bar, there's a row of links: Start Page, Index by Title, Index by Date, and Last Change. The main content area starts with the heading "Welcome to the Trac Project." followed by a paragraph welcoming users to the Trac open source project. It then describes Trac as an enhanced wiki and issue tracking system for software development projects, highlighting its minimalist approach. It mentions that Trac provides an interface to Subversion, an integrated Wiki, and convenient report facilities. It also notes that Trac allows wiki markup in issue descriptions and commit messages, creating links and seamless references between bugs, tasks, changesets, files, and wiki pages. A timeline shows all project events in order. Below this, there's a section for a Live Demo, which encourages users to test out some of the features in Trac using a demo site provided by hosted-projects.com, with a warning not to make edits for testing purposes. Finally, there's a section for Good Starting Points, which lists several links: TracGuide (starting point for Trac documentation), TracFaq (frequently asked questions), TracDownload (Trac is open source software, available for download), ChangeLog (recent changes between Trac releases), MailingList (join the mailinglist for user and developer discussions), TracProject (learn more about the project and get involved (see also, HowToContribute)), RoadMap (the proverbial road ahead), and TracTeam (it's their fault - well not really).

Edgewall Software

**trac**  
Integrated SCM & Project Management

Search

Login | Settings | Help/Guide | About Trac

Home | Weblog | **Trac** | Genshi | Python Sidebar

Wiki | Timeline | Roadmap | Browse Source | View Tickets | New Ticket | Search

Start Page | Index by Title | Index by Date | Last Change

## Welcome to the Trac Project.

Welcome to the [Trac open source project](#).

Trac is an enhanced wiki and issue tracking system for software development projects. Trac uses a minimalistic approach to web-based software project management. Our mission; to help developers write great software while staying out of the way. Trac should impose as little as possible on a team's established development process and policies.

It provides an interface to [Subversion](#), an integrated Wiki and convenient report facilities.

Trac allows [wiki markup](#) in issue descriptions and commit messages, creating links and seamless references between bugs, tasks, changesets, files and wiki pages. A [timeline](#) shows all project events in order, making getting an overview of the project and tracking progress very easy.

### Live Demo

If you want to test out some of the features in Trac please use the [demo site](#) kindly provided by [hosted-projects.com](#). The site you are currently visiting tracks the actual development of the Trac project, so **please don't make edits here simply for the sake of testing Trac**.

### Good Starting Points

- [TracGuide](#) -- Starting point for **Trac documentation**.
- [TracFaq](#) -- Frequently asked questions.
- [TracDownload](#) -- Trac is open source software, available for download,
- [ChangeLog](#) -- Recent changes between Trac releases,
- [MailingList](#) -- Join the mailinglist for user and developer discussions,
- [TracProject](#) -- Learn more about the project and get involved (see also, [HowToContribute](#)),
- [RoadMap](#) -- The proverbial road ahead.
- [TracTeam](#) -- It's their fault - well not really.

# Agilo for Scrum

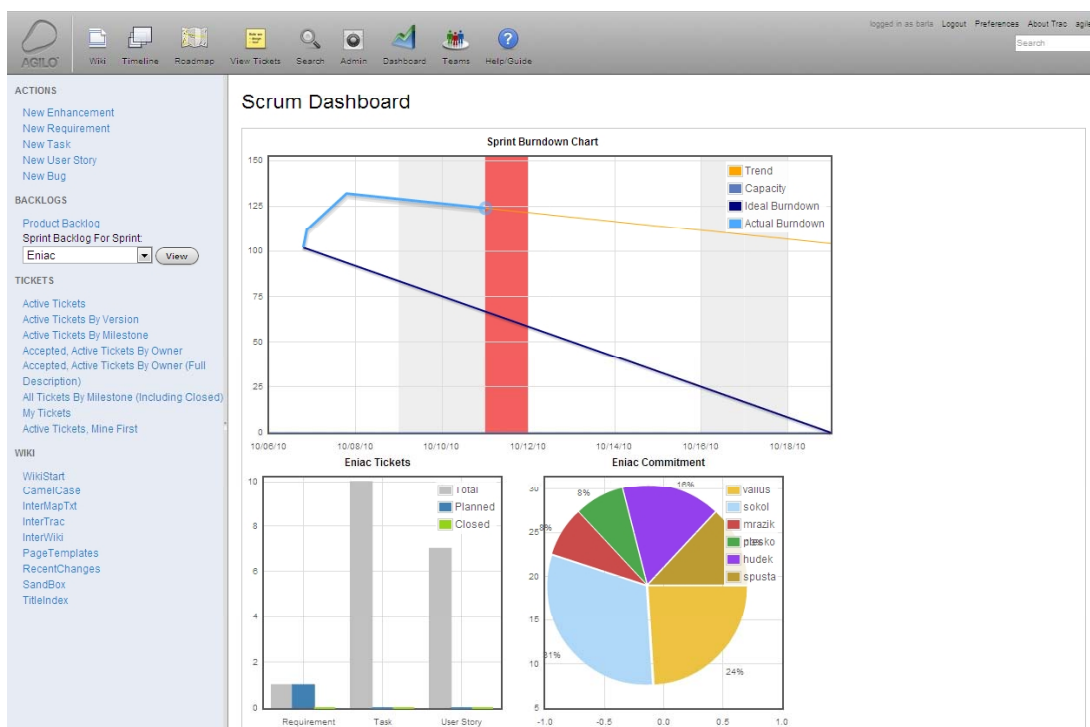
- Postavené na Tracu
- Vytvorené pre vývoj založený na Scrum-e
- Sledovateľnosť projektu
  - Obojsmerné prepojenia požiadaviek, user stories, úloh...
- <http://www.agile42.com/cms/pages/products/>

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time

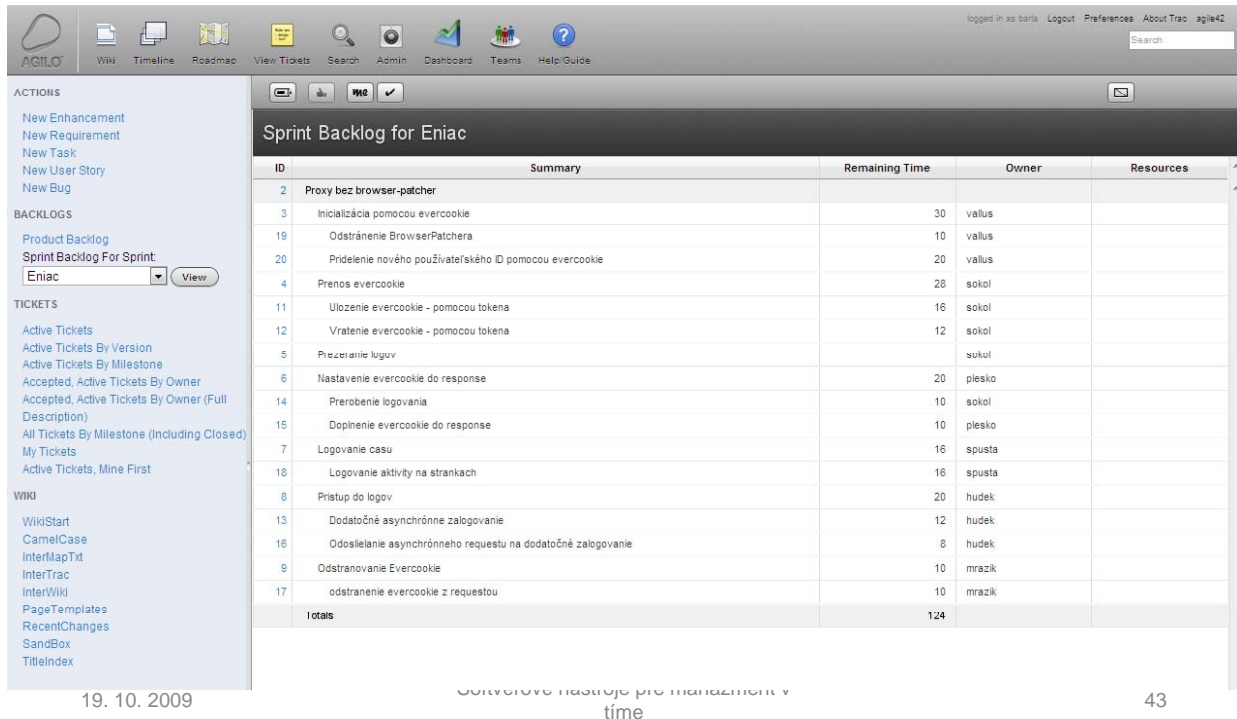
41

## Agilo4Scrum – Burndown chart



2

# Agilo – Požiadavky, user stories,...



The screenshot shows the Agilo web interface. The top navigation bar includes links for Wiki, Timeline, Roadmap, View Tickets, Search, Admin, Dashboard, Teams, and Help/Guide. The left sidebar contains sections for ACTIONS (New Enhancement, New Requirement, New Task, New User Story, New Bug), BACKLOGS (Product Backlog, Sprint Backlog For Sprint: Eniac), TICKETS (Active Tickets, Active Tickets By Version, Active Tickets By Milestone, Accepted, Active Tickets By Owner, Accepted, Active Tickets By Owner (Full Description), All Tickets By Milestone (Including Closed), My Tickets, Active Tickets, Mine First), and WIKI (WikiStart, CamelCase, InterMapTid, InterTrac, InterWiki, PageTemplates, RecentChanges, SandBox, TitleIndex).

### Sprint Backlog for Eniac

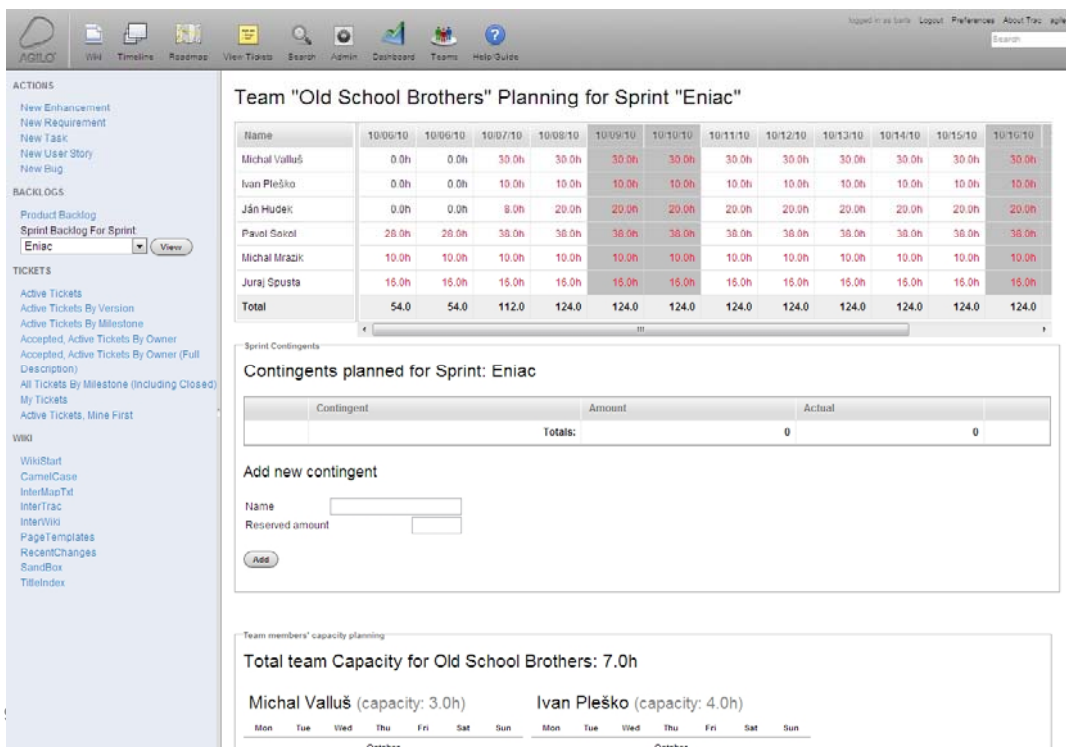
ID	Summary	Remaining Time	Owner	Resources
2	Proxy bez browser-patcher			
3	Inicializácia pomocou evercookie	30	vallus	
19	Odstránenie BrowserPatchera	10	vallus	
20	Pridelenie nového používateľského ID pomocou evercookie	20	vallus	
4	Prenos evercookie	28	sokol	
11	Uloženie evercookie - pomocou tokena	16	sokol	
12	Vratenie evercookie - pomocou tokena	12	sokol	
5	Prezeranie logov		sokol	
6	Nastavenie evercookie do response	20	plesko	
14	Prerobenie logovania	10	sokol	
15	Doplnenie evercookie do response	10	plesko	
7	Logovanie času	16	spusta	
18	Logovanie aktivity na stránkach	16	spusta	
8	Prístup do logov	20	hudek	
13	Dodatočné asynchrónne zalogovanie	12	hudek	
16	Odosielanie asynchrónneho requestu na dodatočné zalogovanie	8	hudek	
9	Odstránovanie Evercookie	10	mrazik	
17	odstránenie evercookie z requestu	10	mrazik	
Totals		124		

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# Agilo – Úlohy, využitie zdrojov



The screenshot shows the Agilo web interface for team capacity planning. The top navigation bar is the same as the previous screenshot. The left sidebar is also the same.

### Team "Old School Brothers" Planning for Sprint "Eniac"

Name	10/06/10	10/07/10	10/08/10	10/09/10	10/10/10	10/11/10	10/12/10	10/13/10	10/14/10	10/15/10	10/16/10
Michal Valluš	0.0h	0.0h	3.0h	3.0h	3.0h	3.0h	3.0h	3.0h	3.0h	3.0h	3.0h
Ivan Pleško	0.0h	0.0h	1.0h	1.0h	1.0h	1.0h	1.0h	1.0h	1.0h	1.0h	1.0h
Ján Hudek	0.0h	0.0h	8.0h	2.0h	2.0h	2.0h	2.0h	2.0h	2.0h	2.0h	2.0h
Pavel Sotol	2.0h	2.0h	3.0h	3.0h	3.0h	3.0h	3.0h	3.0h	3.0h	3.0h	3.0h
Michal Mrazik	1.0h	1.0h	1.0h	1.0h	1.0h	1.0h	1.0h	1.0h	1.0h	1.0h	1.0h
Juraj Spusta	1.0h	1.0h	1.0h	1.0h	1.0h	1.0h	1.0h	1.0h	1.0h	1.0h	1.0h
Total	5.0h	5.0h	11.0h	12.0h	12.0h	12.0h	12.0h	12.0h	12.0h	12.0h	12.0h

Sprint Contingents

### Contingents planned for Sprint: Eniac

Contingent	Amount	Actual
Totals:	0	0

Add new contingent

Name:

Reserved amount:

Team members' capacity planning

Total team Capacity for Old School Brothers: 7.0h

Michal Valluš (capacity: 3.0h) Ivan Pleško (capacity: 4.0h)

Mon Tue Wed Thu Fri Sat Sun

October

# Basecamp

- Jednoduchá webová aplikácia
  - Míľníky (export cez iCalendar)
  - To-Do listy
  - Zdieľanie súborov (nie vo free pláne)
  - Message board

Update: zbavili sa free planu

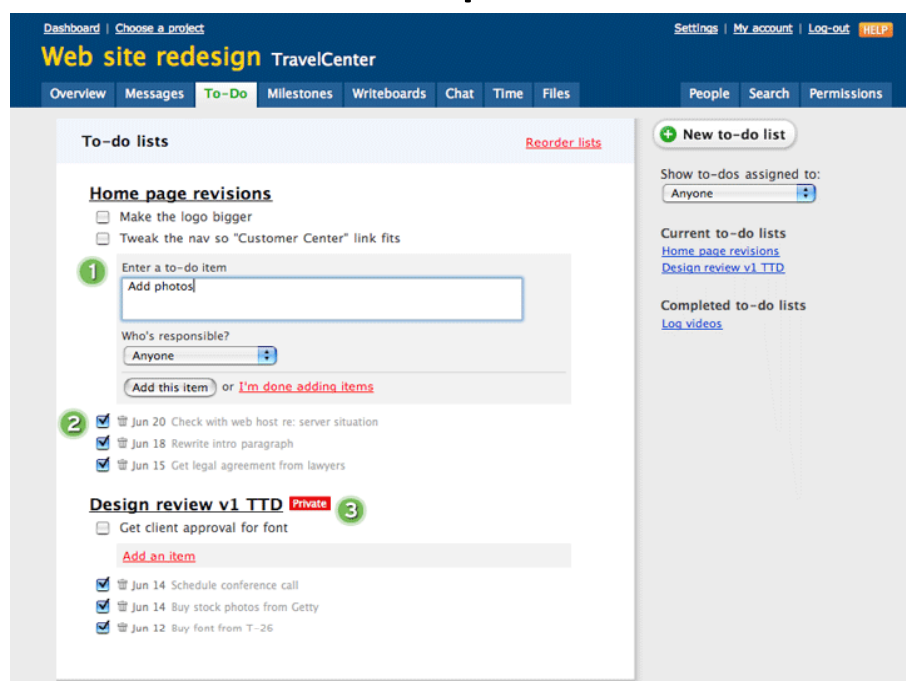
- <http://www.basecampHQ.com>

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## Basecamp – To-Dos

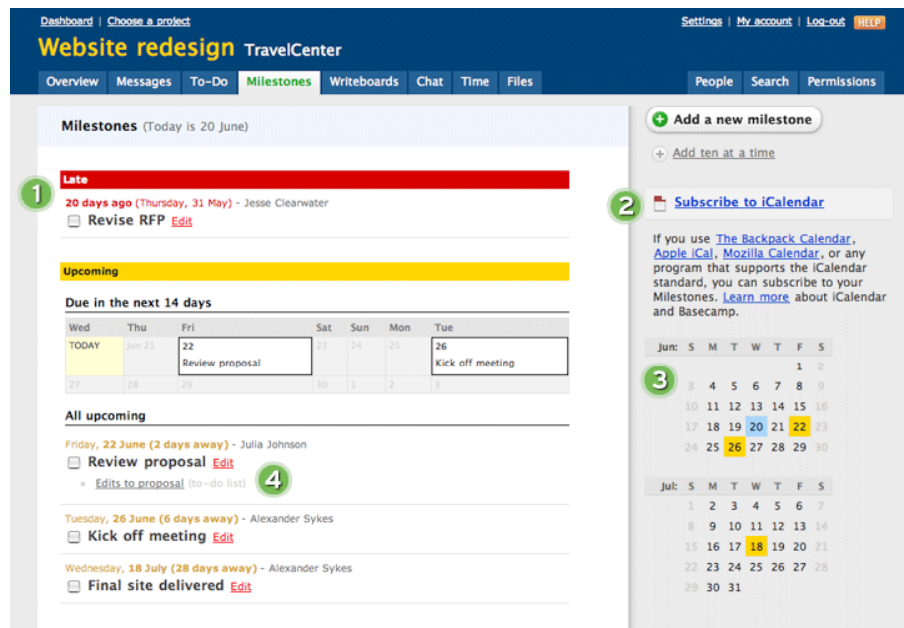


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# Basecamp – mílniky



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## Redmine

- Webová aplikácia (Ruby on Rails, open source)
- Úlohy (issues)
  - Flexibilita (vlastné typy/atribúty, workflow)
  - Prepojenosť úloh
- Ganttov diagram, kalendár, sledovanie času (reporty)
- Zdieľanie súborov, wiki, fórum
- Integrácia s úložiskami zdrojových kódov (Mercurial, Git, SVN, CVS, Bazaar, Darcs)
- <http://www.redmine.org/>

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# RedMine - úlohy

Home My page Projects Administration Help Logged in as barla My account Sign out

testing Search: Jump to a project...

Overview Activity Issues New issue News Documents Files Settings

Issues

Filters

☒ Status open Add filter:

☒ Apply Clear Save

#	Tracker	Status	Priority	Subject	Assigned to	Updated	Story points	Order
3	User story	New	Normal	Ako admin zvolim bum nad konkrétnym userom		09/29/2009 12:06 PM	10	
1	Feature	New	Normal	produkt robi bum		09/29/2009 12:10 PM		1
2	Feature	New	Normal	produkt robi bac		09/29/2009 11:32 AM		2

(1-3/3) | Per page: 25, 50, 100

Also available in: Atom | CSV | PDF

Issues

View all issues  
Summary  
Change log

Planning

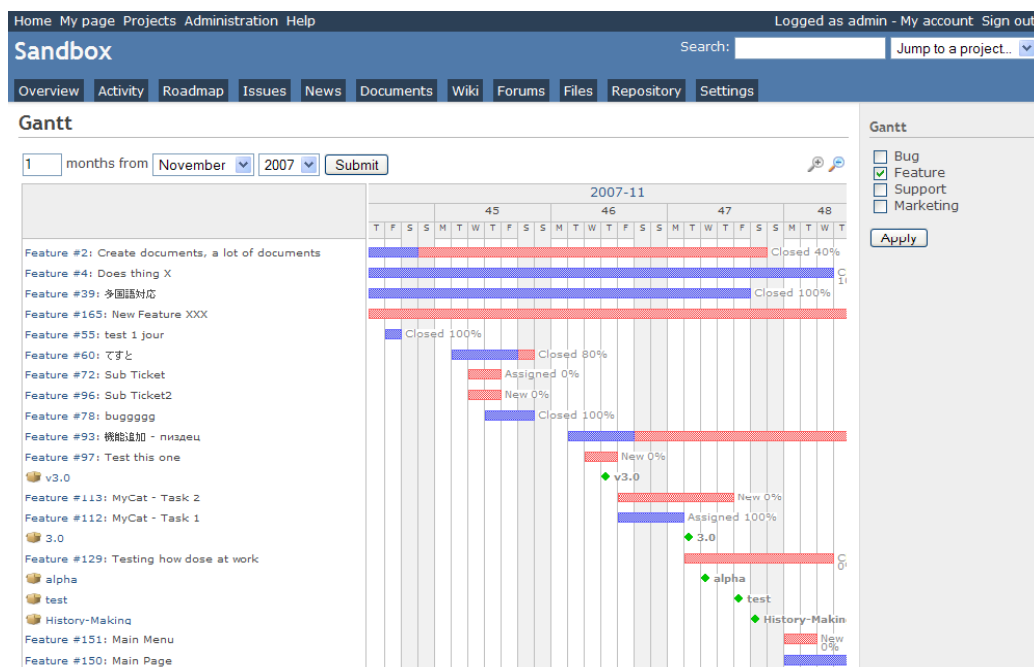
Calendar | Gantt

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# RedMine – Ganttov diagram



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# RedMine – source control

Home My page Projects Administration Help

Logged in as: barla My account Sign out

relax2

Search: Jump to a project...

Overview Activity Roadmap Issues New issue News Documents Files Repository Settings

Repository (Mercurial) Statistics Revision:

Name	Size	Revision	Age	Author	Comment
app					
config					
db					
doc					
features					
lib					
log					
nbproject					
public					
script					
test					
vendor					
Capfile	?	0		barla@cvks-laptop	initial commit
README	?	0		barla@cvks-laptop	initial commit
Rakefile	?	0		barla@cvks-laptop	initial commit
hs_err_pid4376.log	?	0		barla@cvks-laptop	initial commit

Latest revisions

#	Date	Author	Comment
9	10/17/2009 09:08 PM	rakovsky@adros	add cucumber features and new_relationship.feature
8	10/17/2009 06:23 PM	rakovsky@adros	opravena chyba: render_partial
7	10/17/2009 06:10 PM	-@adros	opravena chyba: render_partial
6	10/17/2009 04:46 PM	-@adros	opravena chyba: render_partial meant "render_partial is tweaked now with later versions of rails-re-write it to use render :partial => x, :locals => {:object => y}
5	10/17/2009 04:41 PM	-@adros	opravena chyba: render_partial meant "render_partial is tweaked now with later versions of rails-re-write it to use render :partial => x, :locals => {:object => y}
4	10/17/2009 04:35 PM	-@adros	opravena chyba: render_partial wrong number of arguments (2 for 1) meant "render_partial is tweaked now with later versions of rails-re-write it to use render :partial => x, :locals => {:object => y}
3	10/16/2009 07:37 PM	barla@cvks-laptop	relative url root
2	10/16/2009 07:33 PM	barla@cvks-laptop	database settings
1	10/16/2009 06:36 PM	barla@cvks-laptop	[no commit message]
0	10/16/2009 06:06 PM	barla@cvks-laptop	initial commit

View revisions

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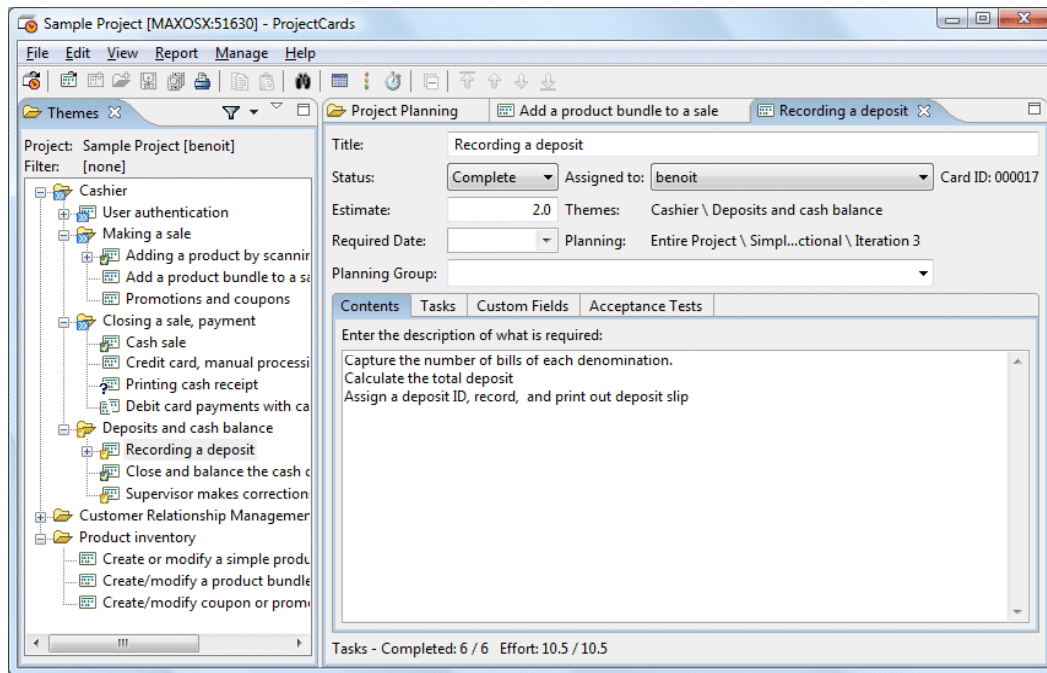
Softvérové nástroje pre manažment v  
time

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## ProjectCards

- klient-server aplikácia (aj Linux klient, Eclipse plugin)
- Vytvorené pre podporu agilného vývoja
- Hierarchické user stories (kartičky) rozbité na úlohy
- Plánovanie, monitorovanie
- Akademická licencia (pre 100 študentov)
- <http://www.projectcards.com/>

# ProjectCards – user stories

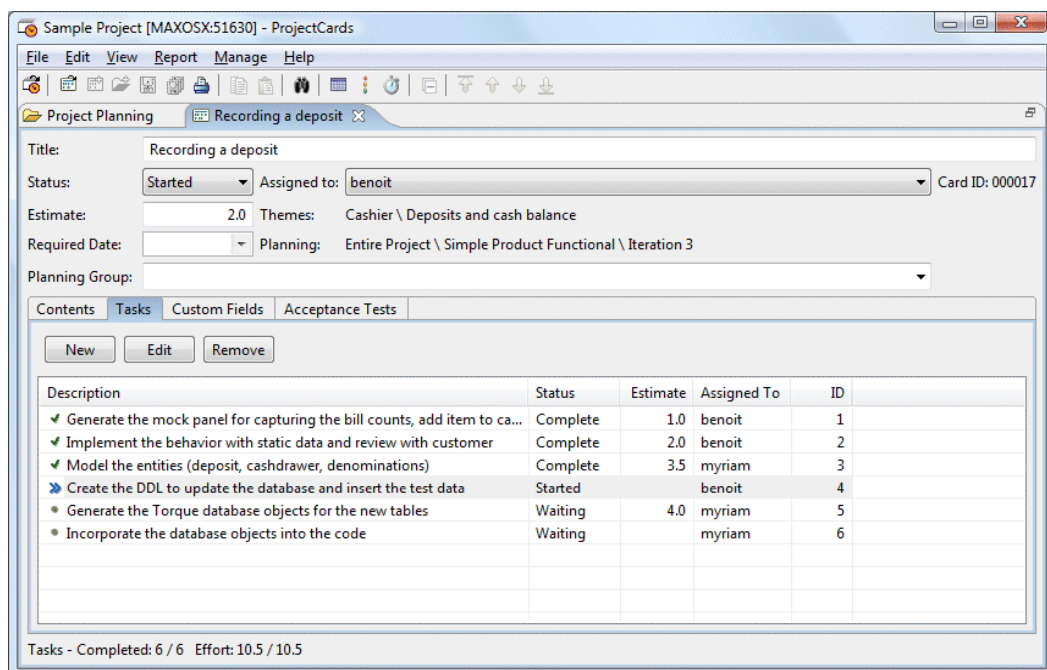


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# ProjectCards – úlohy



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# Assembla

- Webová aplikácia
- Workspace v ktorom je:
  - Wiki
  - Chat
  - Milníky
  - Ticketovací systém (interný alebo Trac)
  - Denné reporty podľa Scrum-u
  - Podpora kolaboratívnej práce s obrázkami (GUI)
  - Subversion, Mercurial, Git

- <http://www.assembla.com/>

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## Assembla - mílniky

The screenshot displays the Assembla web application interface. At the top, there is a navigation bar with the Assembla logo, a search bar, and links for 'My Start Page', 'Logout', and 'Search site'. Below the navigation bar, a header section reads 'Breakout Software Development' with a user profile icon labeled 'Owner'. A row of tabs includes 'Wiki', 'Flow', 'Team', 'Files', 'Alerts', 'Admin', 'Milestones' (which is selected), 'Chat', 'Scrum', 'Tickets', 'Trac', and 'Profile'. The main content area shows a section titled 'Update wiki content of personal space' with a progress bar indicating '9 days away (Fri, Sep 14) - pravinj' and a completion status of '0%'. Below this, there are two tasks: 'new wiki for personal information' and 'add new wiki for agile', both assigned to 'pravinj'. A 'New Task' or 'New Message' link is provided. To the right, a 'View options' sidebar lists 'All Milestones', 'Upcoming Milestones', 'Late Milestones', and 'Completed Milestones'. At the bottom, a 'Tools' section includes a link for 'Import / Export Milestones'. A footer section titled 'New Ideas about tools' shows a task '10 days away (Sat, Sep 15) - pravinj'.

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# Assembla – denné stretnutia

The screenshot shows the Assembla web application interface. At the top, there's a navigation bar with "My Start Page / Logout / Search site" and a "Go" button. Below this, the main header says "Breakout Software Development" and "Owner". A secondary navigation bar includes links for Wiki, Flow, Team, Files, Alerts, Admin, Staffing, Chat, Milestones, Scrum, Images, and Profile. A yellow banner indicates "Report updated successfully".

The main content area is divided into two columns. The left column contains a "Settings" section with options for meeting days (Sun, Mon, Tue, Wed, Thu, Fri, Sat), meeting time (15:00 to 30:00), and a checkbox for "Send email alert before meeting: ". A "Submit" button is at the bottom of this section. Below the settings is a "Team listing for Sep 03" section, which shows a report for "pravinj" reported at 05:44 UTC. The report includes sections for "What I did in the last day / week" (Worked on freesender template design. New layout integration into spaces.), "What I will do today / this week" (Improve the "Tools" pages. HTML mockups for Ticket tool.), and "What are my roadblocks and what do I need?". A "Direct link to this report" is provided at the bottom.

The right column contains a "Add / Edit report" button, an "Open chat in a new window" button, and a calendar for September 2007. The calendar shows the days of the week (S M T W T F S) and the dates (1 to 30). The current date, September 3rd, is highlighted in blue.

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## Wiki

- kolaboratívna tvorba webových stránok (dokumentov) – kolaboratívne vytváranie bázy znalostí a ich prepojenia; vyhľadávanie
- MoinMoinWiki, Trac (Python), SnipSnap, JSPWiki (Java), TikiWiki, DokuWiki, MediaWiki (PHP), Instiki (Ruby), Twiki (Perl), Bonsai, ...
- otázka správnosti a aktuálnosti údajov v prípade, že je projekt „public“
- Vyberte si nástroj, ktorý už wiki obsahuje

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# Diskusné skupiny

- význam
  - všetky informácie týkajúce sa diskusií k projektu na jednom mieste (nie iba e-mail)
- Yahoo! Groups
- Google Groups
- Wiki
  
- Diskutujte v nástroji, pri jednotlivých issues

## Ako vyberať nástroj ?

- definovanie požiadaviek
  - Aký spôsob vývoja má nástroj podporovať?
  - Akú funkcionálnosť má poskytovať?
  - Webová app. vs. tučný klient
- prieskum nástrojov
- otestovanie skupiny vybraných nástrojov
- nasadenie vybraného nástroja
- prípadná úprava nástroja