

# Trac 与团队开发协作

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团队协作需要什么客观基础？

AKA--所有人知道所有事

# 文档管理

# 任务管理

# 代码管理

# 解决方案？

▶ FTP+Doc?

- ▶ FTP+Doc?
- ▶ Portal Like?

- ▶ FTP+Doc?
- ▶ Portal Like?
- ▶ **BLOG?**

- ▶ FTP+Doc?
- ▶ Portal Like?
- ▶ BLOG?
- ▶ **WIKI?**

▶ 电话?

- ▶ 电话?
- ▶ 电子邮件?

- ▶ 电话?
- ▶ 电子邮件?
- ▶ **Excel?**

- ▶ 电话?
- ▶ 电子邮件?
- ▶ Excel?
- ▶ **bugfree?**

- ▶ windows share?

- ▶ windows share?
- ▶ ftp?

- ▶ windows share?
- ▶ ftp?
- ▶ VCS/DVCS?

# 主要问题

# 信息割裂

# 变更难以跟踪

# 可读性与生产率

# Trac 能解决什么？

# 信息归一化

# 任务管理



The screenshot shows a MediaWiki interface. At the top, there is a navigation bar with a search box and two tabs: 'Wiki' (selected) and 'Timeline'. Below the navigation bar, the page title is 'wiki: WikiStart'. The main content area is titled '太平洋网络 iPhone 客户端项目' and 'Recent Changes'. Under 'Recent Changes', there are two dates: '05/13/11' and '05/12/11'. Under '05/13/11', there are three bullet points: 'FileServer/foo (diff)', 'API/BBS/Reply-The-Topic (diff)', and 'API/BBS/Get-All-Posts-From-Specify-Topic (diff)'. Under '05/12/11', there are three bullet points: 'API/POnline', 'API/PCauto', and 'API/BBS/Get-All-Topics-From-Specify-Forum (diff)'. The bottom of the page has a set of navigation icons.

wiki: [WikiStart](#)

## 太平洋网络 iPhone 客户端项目

### Recent Changes

**05/13/11**

- [FileServer/foo \(diff\)](#)
- [API/BBS/Reply-The-Topic \(diff\)](#)
- [API/BBS/Get-All-Posts-From-Specify-Topic \(diff\)](#)

**05/12/11**

- [API/POnline](#)
- [API/PCauto](#)
- [API/BBS/Get-All-Topics-From-Specify-Forum \(diff\)](#)

Figure: wiki







# 丰富的插件

---

Type: 缺陷报告

Milestone: pclady 2.0

Version: 2.1


Cc: liux|

Owner: **liuxin** (刘鑫)  
<liuxin@pconline.com.cn>

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# 丰富的插件

keywords:

Due Date:  

**May 2011**

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Note: See [Visit t](#)

## Manage Plugins

▶ **Trac 0.12.2**

Integrated SCM, wiki, issue tracker and project environ

▶ **AutocompleteUsers 0.4.1**

complete the known trac users, AJAX style

▶ **graphviz 0.7.6dev**

Graphviz plugin for Trac 0.11

▶ **TracAccountManager 0.3dev-r9929**

User account management plugin for Trac

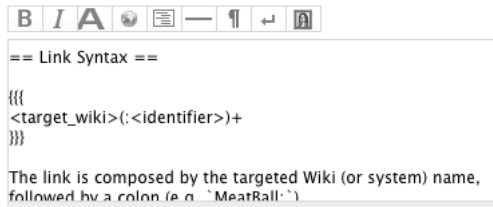
▶ **TracDateField 1.0.1**

Add custom date fields to Trac tickets.

▶ **TracGit 0.12.0.5dev**

GIT version control plugin for Trac 0.12

## Editing InterWiki



The screenshot shows a rich text editor toolbar with icons for Bold (B), Italic (I), Bold (A), Bulleted List, Underline, Link, Unlink, and Image. Below the toolbar, the text reads: "==" Link Syntax ==". This is followed by a code block containing the syntax: {{{<target\_wiki>(:<identifier>)+}}}. Below the code block, a paragraph explains: "The link is composed by the targeted Wiki (or system) name, followed by a colon (e.g. `MeatBall:`)".

Figure: Trac 的所有文档类页面都支持 WIKI 式标记

Change Properties

Summary: [BBS] 使用无效帐号(或者密码/帐号错误?) 登录失败, 提示网络故障

Reporter: pangchongyang

Description: **B** *I* **A**       You may use [WikiFormatting](#) here.

使用无效帐号(或者密码/帐号错误?) 登录失败, 提示网络故障。

两种情况会提示“网络故障”

- \* 帐号不存在 (response body 为空)
- \* 网络连接失败。

应该完善和细分错误提示。

Figure: Trac 的所有文档类页面都支持 WIKI 式标记

## ▶ 任务跟踪

- ▶ 任务跟踪
- ▶ bug 管理

- ▶ 任务跟踪
- ▶ bug 管理
- ▶ workflows

## Roadmap

**Milestone: bbsdemo**

**2 weeks** late (05/06/11 15:00:00)



Number of tickets: closed: 13 active: 9 Total: 22

BBS 流程测试客户端，计划本周完成功能开发

功能需求描述：

[iPhone/BBS-Prototype](#)

[iPhone/articles/BBSRequirement](#)

Figure: Tickets 概览

## Edit Milestone bbsdemo

Name of the milestone:

### Schedule

Due:

 *Format: MM/DD/YY hh:mm:ss*

Completed:

 *Format: MM/DD/YY hh:mm:ss*

Retarget associated open tickets to milestone:

Description (you may use [WikiFormatting](#) here):

**B** *I* **A**      

BBS 流程测试客户端，计划本周完成功能开发

功能需求描述：

[wiki:iPhone/BBS-Prototype]

[wiki:iPhone/articles/BBSRequirement]

Figure: 项目进度跟踪

wiki: [API](#) / [BBS](#) / [Get-All-Topics-From-Specify-Forum](#)

获取指定 forum 主题列表

URL	⇒ <a href="http://mrobot.pcauto.com.cn/proxy/bbs/forums/\$forum_ID">http://mrobot.pcauto.com.cn/proxy/bbs/forums/\$forum_ID</a>
Method	GET

## Params

name	required	value	desc
pageSize	n	unsigned	每页有多少个帖子
pageNo	n	unsigned	第几页
filter	n	pick	精华贴

## Note

```
HTTP/1.1 200 OK
Server: nginx/0.8.42
Date: Wed, 04 May 2011 10:19:44 GMT
Content-Type: text/html; charset=UTF-8
Transfer-Encoding: chunked
Connection: keep-alive
X-Page: 1,91
```

当你配置好 Trac 环境...

# 注册用户

## Add Account:

Username:

Password:

Confirm Password:

Name:

Email:

Add a new user account.

# 分配权限

**Grant Permission:**

Subject:

Action:

Grant permission for an action to a subject, which can be either a user or a group.

**Add Subject to Group:**

Subject:

Group:

Add a user or group to an existing permission group.

Figure: 分配权限

## Manage Permissions

Subject	Action
anonymous	<input type="checkbox"/> WIKI_VIEW
authenticated	<input type="checkbox"/> BROWSER_VIEW <input type="checkbox"/> CONFIG_VIEW <input type="checkbox"/> LOG_VIEW <input type="checkbox"/> MILESTONE_VIEW <input type="checkbox"/> REPORT_VIEW <input type="checkbox"/> ROADMAP_VIEW <input type="checkbox"/> TICKET_CREATE <input type="checkbox"/> TICKET_VIEW <input type="checkbox"/> WIKI_ADMIN <input type="checkbox"/> WIKI_CREATE
gtyang	<input type="checkbox"/> TRAC_ADMIN
liuxin	<input type="checkbox"/> TRAC_ADMIN
longhao	<input type="checkbox"/> TRAC_ADMIN <input type="checkbox"/> manager
manager	<input type="checkbox"/> ROADMAP_VIEW <input type="checkbox"/> TICKET_ADMIN
pangchongyang	<input type="checkbox"/> TRAC_ADMIN
samuel	<input type="checkbox"/> manager
songnenghui	<input type="checkbox"/> TRAC_ADMIN
users	<input type="checkbox"/> WIKI_ADMIN

Remove selected items

Figure: 管理权限

# 使用 Ticket 协作


# 发起 Ticket

## Create New Ticket

Properties

Summary:

Reporter:

Description: **B I A**  You may use [WikiFormatting](#) here.  
= Trac 使用培训 =  
向移动产品研发部及相关部门介绍 Trac 使用  
== 目标人群 ==  
- 开发人员  
- 测试人员

Type:

Milestone:

Version:

Cc:

Owner:

Priority:

Component:

Keywords:

Due Date:

I have files to attach to this ticket

Note: See [TracTickets](#) for help on using tickets.

## Available Reports

Report	Title
{1}	Active Tickets
{2}	Active Tickets by Version
{3}	Active <a href="#">View report</a> Milestone
{4}	Accepted, Active Tickets by Owner
{5}	Accepted, Active Tickets by Owner (Full Description)
{6}	All Tickets By Milestone (Including closed)
{7}	My Tickets
{8}	Active Tickets, Mine first

Create new report

Figure: 找到待处理的 ticket

不同的报表提供多种内容查询，也可以自己扩充

## Ticket #61 (new 缺陷报告)

[Modify](#) ↓

<b>Trac 使用培训</b>		Opened <b>4 minutes</b> ago	
Reported by:	<a href="#">liuxin</a>	Owned by:	<a href="#">liuxin</a>
Priority:	<a href="#">major</a>	Milestone:	<a href="#">pcgroup 2.1</a>
Component:	<a href="#">团队建设</a>	Version:	<a href="#">2.1</a>
Keywords:	<a href="#">train</a>	Cc:	
Due Date:	<b>27/05/2011</b>		
Description			
<b>Trac 使用培训</b>		<a href="#">Reply</a>	
向移动产品研发部及相关部门介绍 Trac 使用			
<b>目标人群</b>			
<ul style="list-style-type: none"><li>• 开发人员</li><li>• 测试人员</li></ul>			

不同的报表提供多种内容查询，也可以自己扩充


# 接受 Ticket，处理工作

## ▼ Modify Ticket

Change Properties

Summary:

Reporter:

Description:  You may use [WikiFormatting](#) here.

= Trac 使用培训 =

向移动产品研发部及相关部门介绍 Trac 使用

== 目标人群 ==

- 开发人员
- 测试人员

Type:

Priority:

Milestone:

Component:

Version:

Keywords:

Cc:

Due Date:

Action

leave as new

resolve as  The resolution will be set. Next status will be 'closed'

reassign to  The owner will be changed from liuxin. Next status will be 'assigned'

accept Next status will be 'accepted'

[Attachments ↑](#)

这里同时修改了错误信息

# 接受 Ticket，处理工作

## Ticket #61 (accepted 开发任务)

Modify ↓

**Trac 使用培训** Opened 18 minutes ago  
Last modified 0 seconds ago

Reported by:	<a href="#">liuxin</a>	Owned by:	<a href="#">liuxin</a>
Priority:	<a href="#">major</a>	Milestone:	<a href="#">pcgroup 2.1</a>
Component:	<a href="#">团队建设</a>	Version:	<a href="#">2.1</a>
Keywords:	<a href="#">train</a>	Cc:	
Due Date:	27/05/2011		

Description

**Trac 使用培训** Reply

向移动产品研发部及相关部门介绍 Trac 使用

**目标人群**

- 开发人员
- 测试人员

这里同时修改了错误信息

# FOR DOUBLE CHECK

## Ticket #61 (accepted 开发任务)

[Modify](#) ↓

### Trac 使用培训

Opened **18 minutes** ago

Last modified **0 seconds** ago

Reported by: [liuxin](#)

Owned by: [liuxin](#)

Priority: [major](#)

Milestone: [pcgroup 2.1](#)

Component: [团队建设](#)

Version: [2.1](#)

Keywords: [train](#)

Cc:

Due Date: 27/05/2011

#### Description

### Trac 使用培训

[Reply](#)

向移动产品研发部及相关部门介绍 Trac 使用

#### 目标人群

- 开发人员
- 测试人员

[reassign to reporter](#)

# fix ro cancel it

Action

leave as accepted

resolve as **fixed** *The resolution*

reassign to  *The ow*

accept *'accepted'*

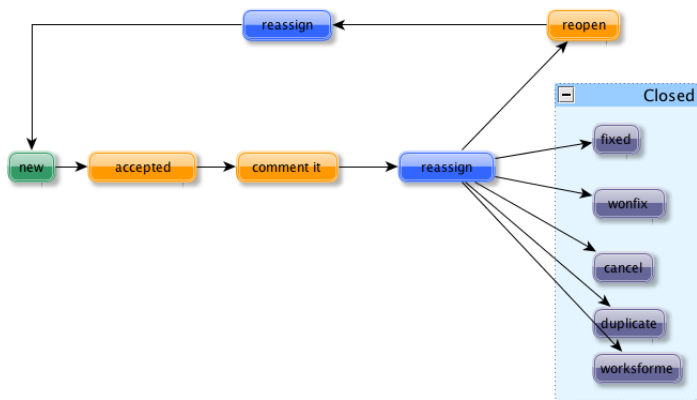
*invalid*

*wontfix*

*duplicate*

*workforme*

# Trac 基本 workflow



# WIKI 和标记文本

► 中立的标记文本格式

- ▶ 中立的标记文本格式
- ▶ 为文档附件提供足够搜索的信息

- ▶ 中立的标记文本格式
- ▶ 为文档附件提供足够搜索的信息
- ▶ 保持**互联 link**

- ▶ 中立的标记文本格式
- ▶ 为文档附件提供足够搜索的信息
- ▶ 保持互联 link
- ▶ 搜索友好

# 基本格式标记

标题 == == == ...

# 链接格式

[<+| alert@+>]

URL [Link|Title]

Ticket ticket:xxx or #xxx

代码 src:link

changeset chagset:xxx or rxxx

...

# 问答时间

# 谢谢参与

~ Power By L<sup>A</sup>T<sub>E</sub>X