

Trac

Integrated SCM & Project
Management

by Brice Dobry

What is it?

- A simple web-based tool for software project management.
- Designed to integrate easily into existing practices.

What does it include?

- Project wiki
- Timeline
- Web interface for subversion
- Ticketing system for assigning tasks, reporting bugs, etc.

History

- Trac is developed and maintained by Edgewall Software
- Inspired by CVSTrac
- Back-end written in Python
- Front-end (web presentation) uses ClearSilver
- Released under a modified BSD license

Source: <http://en.wikipedia.org/wiki/Trac>



How do I set it up?

- Source code available from:

<http://trac.edgewall.org/wiki/TracDownload>

- Installation guide:

<http://trac.edgewall.org/wiki/TracInstall>

- Usage/administration guide:

<http://trac.edgewall.org/wiki/TracGuide>

Questions?

Demo

Bob

- Go to site
- Look at roadmap - due dates, active tickets
- Go to tickets
- Click my ticket (Basic Math)
- Accept ticket - then show the ticket again and point out the asterisk

Bob

- Go to `~/bob/calc`
- `copy ../basic.* to .`
- `svn add basic.c basic.h`
- `svn commit`
- Go back to ticket, type comment and mark as “fixed”

Tom

- Go to trac site
- Look at timeline
- see that Bob checked something in
- `cd ~/tom/calc; svn update`
- go to tickets, look at my task (advanced)
- accept ticket

Tom

- `cp ../advanced.* calc/.`
- `svn add advanced.c advanced.h`
- `svn commit`
- Notice bug in `max` (change `<` to `>`)
- `svn commit`

Boss Man

- go to main trac site
- Take a look at the timeline, notice Bob and Tom's changes
- Look at roadmap and notice %s
- Click on the "Revision Log"
- Browse source, click version and show nice diffs

Boss Man

- View tickets to see who has accepted theirs
- Open tickets for Bob and Tom and praise their work
- Go back to main page and edit the wiki.
- Add “This project will include both a CLI and a GUI.”

Bill

- Go to main site
- Go to the tickets and view my ticket
- Accept ticket
- `cd ~/bill; svn co http://dobry.us/svn/calc calc --username bill`
- Notice bug in div, mod. No check for divide by 0

Bill

- Go to tickets; new ticket
- type = defect, priority = critical
- Assign to Bob
- CC - Boss Man
- Go back to view tickets to show new ticket (critical is at top, different color)

Summary

- Nice interface for programmers and supervisors to:
 - Track milestones
 - Track tasks
 - Track bugs
 - Track source

Questions?