

Lean R&D Real-Time Collaboration Platform

ClearWorks

Enterprise Edition Source Code Version Management

System Introduction:

ClearWorks using Subversion as a built-in version control system to provide advanced software source code configuration management system, the users purchase ClearWorks System (Enterprise Edition) later, have a powerful and efficient software source code management server, the project workers to install SVN client or the development environment plug-ins, you can tie in with the server for development.

This document is only Subversion built-in system of the ClearWorks Enterprise Edition CD-ROM, a brief overview of process document, For a comprehensive understanding of and use of the system software configuration management capabilities, please buy the official version, we will provide you with comprehensive guidance and training.

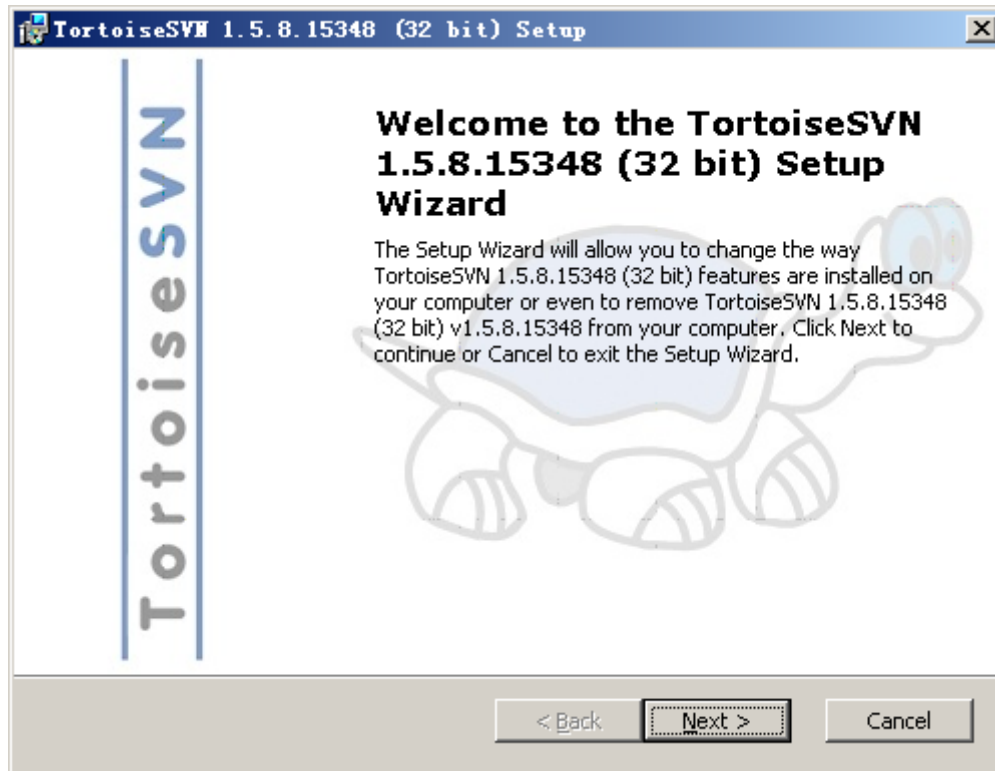
Last revision date: January 26, 2008

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1, Install TortoiseSVN

Click the CD-ROM inside TortoiseSVN-1.5.8.15348-win32-svn-1.5.5.msi file, install SVN plug-in, the following figure:



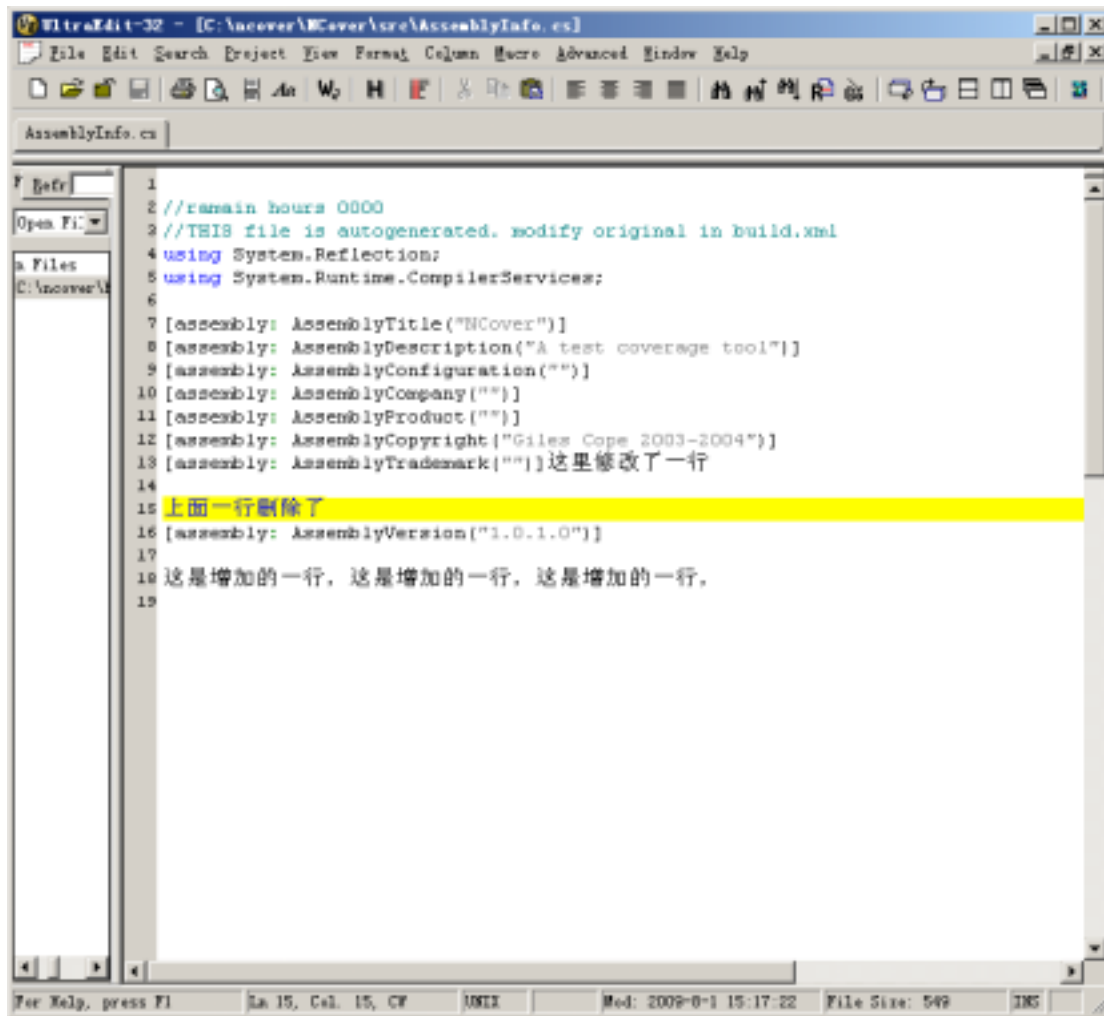
2, Check out the project source code

Svnrepos directory on CD-ROM under ncover, cobertura two sample project in Windows Explorer, click the right mouse button to build, select SVN Checkout, the following window appears, in the URL of repository enter:

file:///d:/sevensoft/svnrepos/ncover User Name: henry Password: 123456

3, Editing source code

The next step will be Check out the C drive, enter C: \ ncover \ NCover \ src, easily edit a file, such as AssemblyInfo.cs,



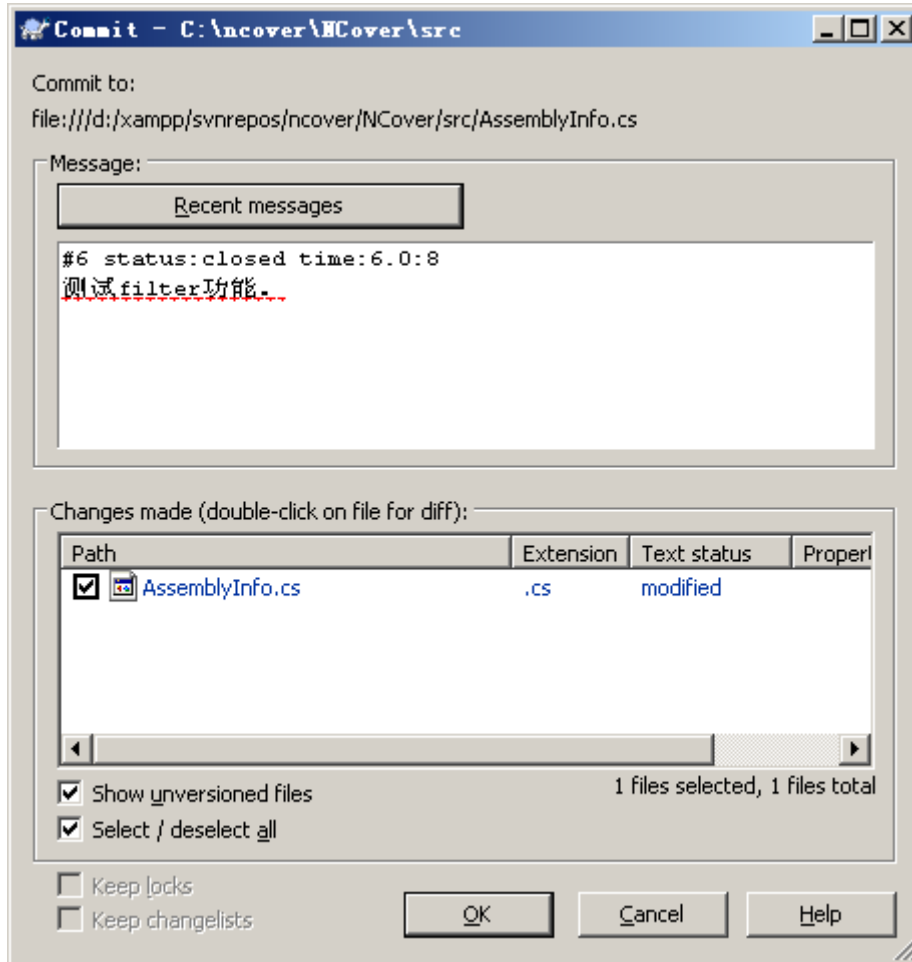
The screenshot shows the UltraEdit-32 editor window with the file AssemblyInfo.cs open. The code is as follows:

```
1 //remain hours 0800
2 //THIS file is autogenerated. modify original in build.xml
3 using System.Reflection;
4 using System.Runtime.CompilerServices;
5
6
7 [assembly: AssemblyTitle("NCover")]
8 [assembly: AssemblyDescription("A test coverage tool")]
9 [assembly: AssemblyConfiguration("")]
10 [assembly: AssemblyCompany("")]
11 [assembly: AssemblyProduct("")]
12 [assembly: AssemblyCopyright("Giles Cope 2003-2004")]
13 [assembly: AssemblyTrademark("")]这里修改了一行
14
15 上面一行删除了
16 [assembly: AssemblyVersion("1.0.1.0")]
17
18 这是增加的一行, 这是增加的一行, 这是增加的一行.
19
```

The status bar at the bottom indicates the cursor is at Line 15, Column 15, and the file size is 549 bytes.

4, Check in code changes

Then, a third step, edit the file after the file's icon into the original, click the right mouse button to build, select SVN Commit,



Enter comments:

1. Change defect states

#ID state: close

2. Add comments to defect:

#ID comment: text of your comment here

comment: this is a second multiline comment row1 row2

3. Add time spent only

#ID time:1

4. Update time spent and time remaining.

#4 time:6:0:8

5. Update several defects at one time

#ID,#ID comment: will not be fixed state: invalid time:0.5

4 indicates that the version of the submission is to achieve Issue4, **status: close** indicates that the demand has been achieved or that the defect has been repaired, after the success of the code submitted to the testing officer in charge of the Issue or to monitor the Issue of the project

staff will receive e-mail notification, in order to The Issue for testing, running the corresponding test cases. (The mail server settings, please refer to "ClearWorks Mail Configuration Guide"), **time: 6.0**, said to achieve the Issue spent 6 hours 0 minutes, the remaining 8 hours. When the developers to submit code to the success of the future, the system will automatically calculate the Issue arrangement Tasks remaining hours, Issue state will be a corresponding change.

time: 6.0:8 in the last eight could not fill in and become **time: 6.0**, then the system only records of working hours, otherwise if the remaining time to fill out, the system automatically calculates days according to the effective end date of the task and update the task , while increasing the revised mandate of record, so that managers view.

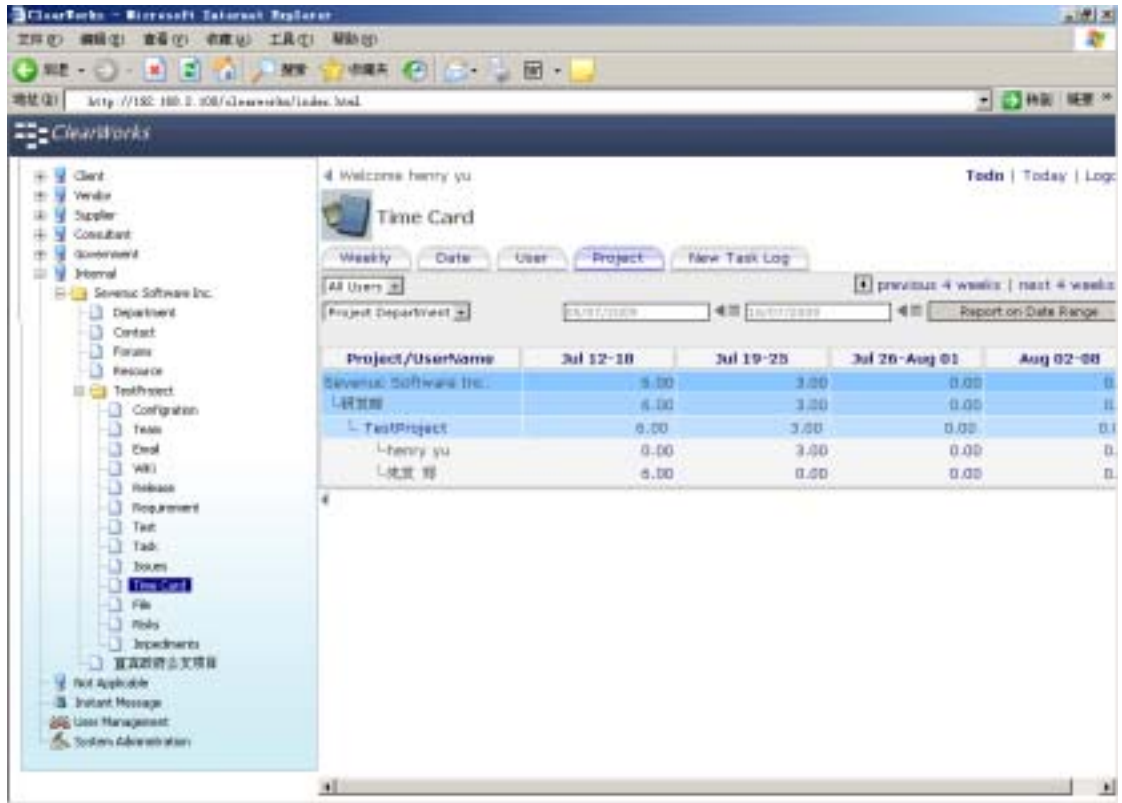
Note: The system has four kinds of pre-defined Issue status, **open ready fixed closed** (lower case), if the code is not the submission of these four states, or the state of spelling errors, the system will refuse to submit the code.

Developers will normally be submitted for each day the code, the system through code annotations while recording the project log, so that the project development and management of the daily work of simple and efficient.

System based on code submitted, the time of registration, automatically record the task log, the update time, the task of calculating the new end date, the percentage of progress, in the iteration period, project members can view the task during iteration "surplus time" to understand project progress , (the project - "the task -" the remaining time)

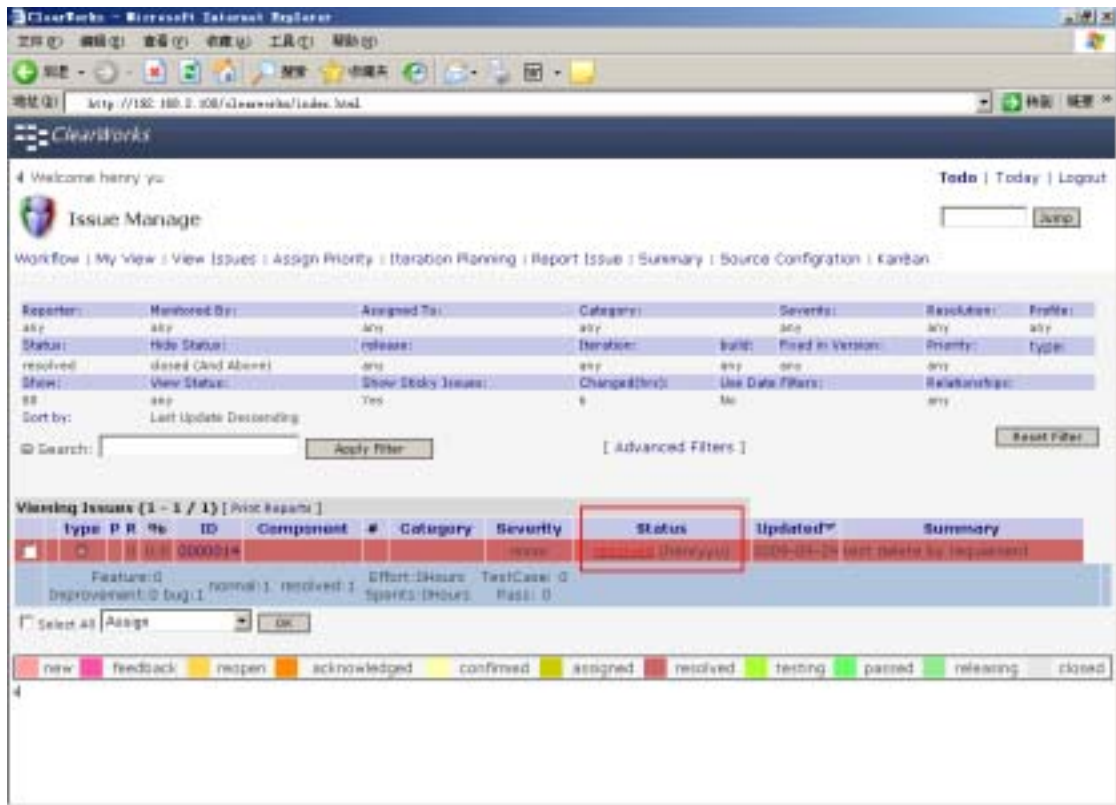
Task	Task Owner	Remain hours/Print 2009-07-26-2009-08-30						
		07/26	07/27	8/08	8/09	07/28	07/29	07/30
测试Office2000和2002版本	张林 王	26	14	14	14	0		
测试Office2003版本	henry yu	25	25	25	25	25	25	25
测试将需求关联的任务	张林 王	18	18	18	18	18	18	18
本任务和需求进行关联测试	张林 王	26	26	26	26	26	26	26
Test release and relectone with task	henry yu	7	7	7	7	7	7	7
Test test about issue	henry yu	30	30	30	30	30	30	30
Total		132	120	120	120	120	114	

Through the log statistics, and understand the distribution of working hours, (the project - "Log Card -" Project)



5, View the status of Issue Changes

Open ClearWorks, enter the project -> Issues-> in the relevant Issue the status bar, you can see the fourth step to submit the code associated with the state of Issue 6 to "resolved", the following diagram,



6, View the log related tasks Issue

Open ClearWorks, enter the project -> Issue-> upper right corner of the page in the "jump" button to enter the Issue number in front, and then click on "jump" directly navigate to the details of the Issue page, the page's "tasks" section shows that the completion of the Issue task of hyperlinks related to the following diagram,

ClearWorks - Microsoft Internet Explorer

http://192.168.0.108/ClearWorks/index.html

Welcome henry yu

Issue Manage

Workflow | My View | View Issues | Assign Priority | Iteration Planning | Report Issue | Summary | Source Configuration | Kanban

Issue Details [Jump to Notes] [Send a reminder] [View Advanced] [Issue History] [Print]

ID	Category	Module	Severity	Reproducibility	Source	Date Submitted	Last Update
000001	[TestProject] Web浏览器	其它模块	minor	always	ML221873D74616	2009-09-15 17:04	2009-01-17 12:17

Reporter: henryyu
Assigned To: 国栋 王
Priority: high
Status: reopen

View Status: public
Add Impediment
Effort(%) : 0
Resolution: reopened
release: release1.0
Iteration: Iteration#1.1
Build: build20090815-2

Summary: 000001: Office兼容性问题
Description: 测试失败
Additional Information:

Attached Files: 新_NavClt.Log [^] (24,100 bytes) 2009-11-04 10:55

Update Issue | Assign To: [Myself] | Change Status To: new | Monitor Issue | Create Clone | Delete Issue

Tasks

Task Name	Priority	Status	Milestone	Iteration	Start Date	End Date	Worked	Effort	Owner	Create
测试Office2000和2003版本	high	Active			2009-07-05 08:00:00	2009-07-10 11:00:11	27 Hours	25 Hours	国栋 王	henry y
测试Office2007版本	normal	Inactive			2009-07-05 14:00:00	2009-07-09 17:00:00	2 Hours	27 Hours	henry yu	henry y

Total: 29/52 Hours

Add Task

In the task details page, you can view the system log of the task log, the updated "has time" as the percentage of progress, as well as the task is expected to "completion date."

ClearWorks - Microsoft Internet Explorer

http://192.168.0.108/ClearWorks/index.html

Welcome henry yu

View Task

tasks list | view this project | edit this task

Details

Project: TestProject
Task: 测试Office2000和2003版本
Owner: henry yu
Priority: high
Web Address:
Milestone: No
Progress: 0.77%
Time Worked: 27

Assigned Users: 国栋 王 [wantester@sevensc.com]

Dependencies: none

Tasks depending on this Task: none

Description: 测试
Add Impediment

Dates and Targets

Start Date: 05/07/2009 08:00 am
Finish Date: 10/07/2009 11:00 am
Expected Duration: 25 hours
Target Budget: 0.00
Task Type: Unknown

Task Logs

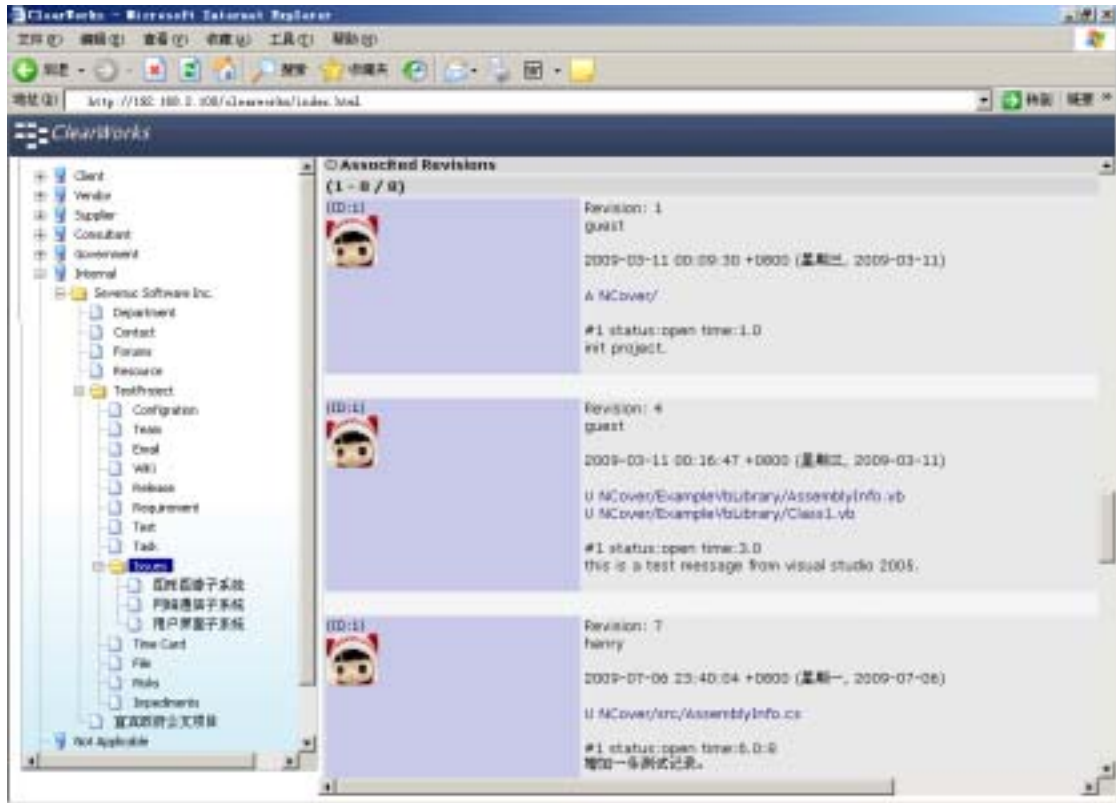
Date	Ref	Summary	URL	User	Hours	Cost Code	Comments
06/01/2009 11:40 am	-	log when task duration changed.		henryyu	0.00		system record
16/09/2009 09:59 pm	-	daily svn commit		国栋 王	3.00		revision 15 remain 3

7, View the Issue-related code changes

Open ClearWorks, enter the project -> Issues-> upper right corner of the page in the "jump" button to enter the Issue number in front, and then click on "jump" directly navigate to the details of the Issue page, the following diagram,

Type	P	R	%	ID	Component	#	Category	Security	Status	Updated	Summary
		0	0.0	0000014				minor	Open	2010-01-20	test delete by request
		0	10.0	0000010	邮件模块	1		minor	Testing (高十性)	2010-01-20	Product Backlog for release 2
		0	20.0	0000009	邮件模块	4	配置	minor	Completed	2009-12-28	Print test result page
		0	0.0	0000011		4		minor	Open	2009-12-28	Test Backlog for Release 2
		0	0.0	0000005	统计图模块	4		minor	Open	2009-12-28	富文档版本控制脚本修改
		0	44.0	0000002	统计图模块	4		minor	Open	2009-10-20	邮件测试通知时通知
		0	0.0	0000004	邮件模块	4		minor	Automatically	2009-10-20	UI-作为用户 我有问题 在excel里发邮件任务时

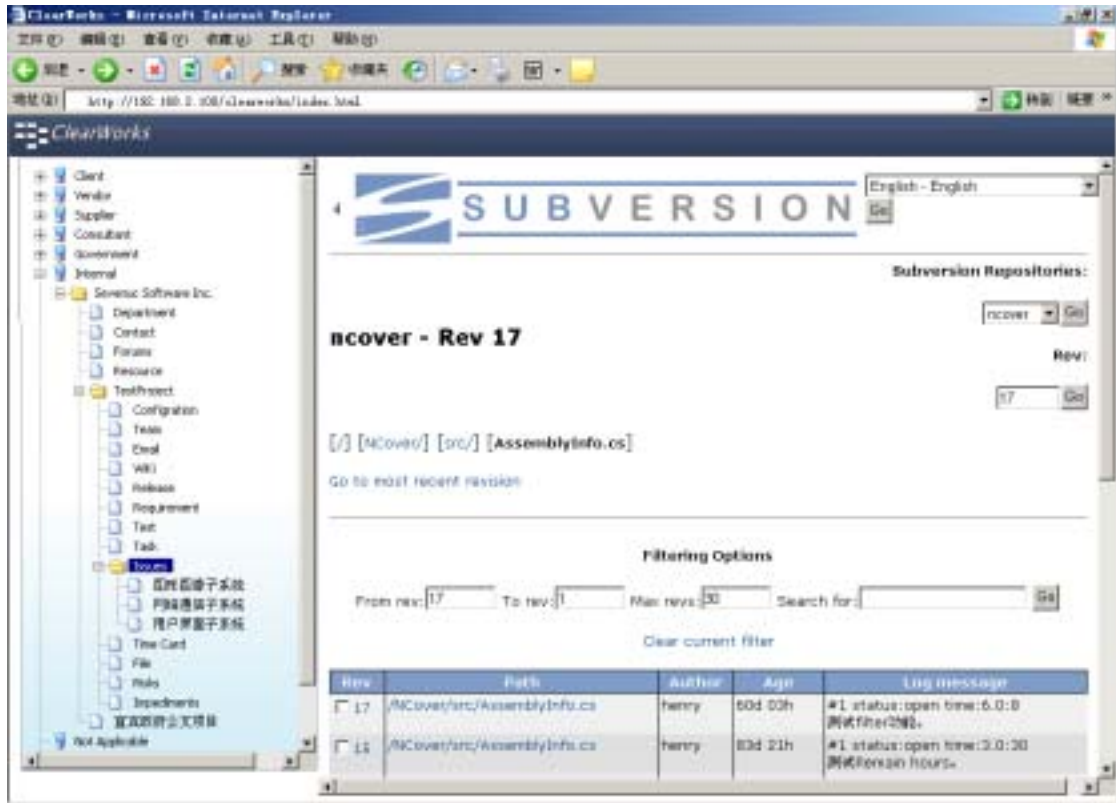
Point-open the page "Development Log" section, then the second step appeared to change the code submitted by the log, the following diagram,



If the page does not appear "Development Log" section, then you do not have permission to access source code, you need administrator assigned the appropriate permissions.

8, Browse the code repository, view changes

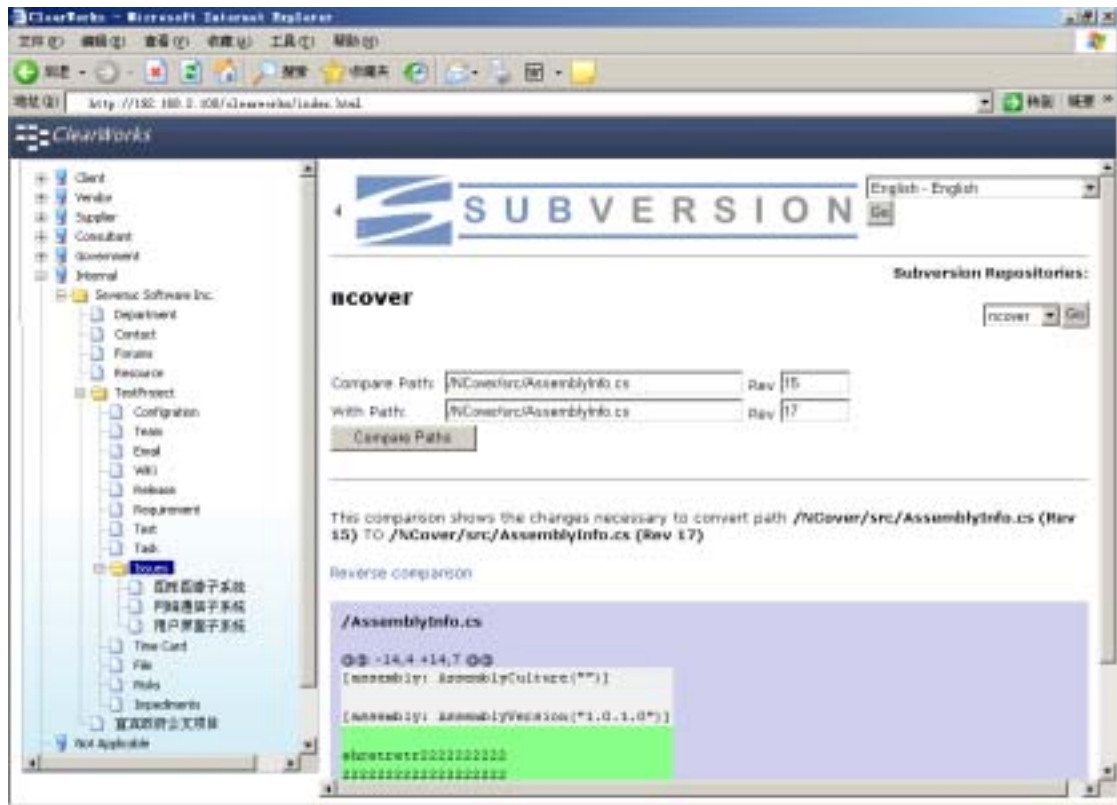
In the Issue Details page "code changes", click on any changes to a document,



You can view the code submitted to the fourth step change,

9, On-line compare the file changes (Diff)

Then the sixth step, choose to compare different versions, or click on the code repository (Repository) "View Record", then select version, click on "Compare Revisions", you can compare online which documents changes in a specific file changes content.



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