Any tools to get code churn metrics for a Subversion repository? [closed]

Asked 16 years, 3 months ago Modified 8 years, 8 months ago

Viewed 13k times

29

Closed. This question is seeking recommendations for software libraries, tutorials, tools, books, or other off-site resources. It does not meet Stack Overflow guidelines. It is not currently accepting answers.

We don't allow questions seeking recommendations for software libraries, tutorials, tools, books, or other off-site resources. You can edit the question so it can be answered with facts and citations.

Closed 5 years ago.

The community reviewed whether to reopen this question 2 years ago and left it closed:

> Original close reason(s) were not resolved

Improve this question

I'm looking for any tools that can give you code churn metrics (graphs and charts would be even better) for a Subversion repository.

One tool I know of is statsvn - a Java tool that creates some HTML reports and some code churn metrics. Statsvn reports the number of lines modified (churned) by user over time, some descriptive stats on LOC per file and folder/subfolder, etc.

I would like to know code churn in order to get a better idea of the state of the project. Idea behind this inspired by the MS research: Use of Relative Code Churn Measures to Predict System Defect Density

In a nutshell, the more that source code is churning (changing, whether adding new lines, deleting, changing,etc) the higher the probability that defects are being introduced into the system. The MS research paper says that the number of defects produced can be predicted based on a number of relative code churn measures.

I wanted to know if there are any others that are maybe open source, extensible, etc.

svn project-management

Share

Improve this question

Follow

edited Sep 16, 2008 at 21:26

asked Sep 10, 2008 at 15:07

Adam

28.8k ● 15 ● 61 ● 73

1 What's wrong with StatSVN? :) – Jason Kealey Oct 16, 2008 at 4:17

2 Well it's good, but I'm hoping to find a tool that spits out hardcore numbers so that I can visualize them in other ways, or plug them into other formulas. – Adam Nov 6, 2008 at 22:48

7 Answers

Sorted by: Highest score (default)

8

I have written a tool called 'svnplot' (which I admit was inspired by the output of StatSVN). Its written in python and available on Google code. http://code.google.com/p/svnplot. You can see the sample output at http://thinkingcraftsman.in/projects/svnplot/index.htm

The details/output are not as elaborate as 'fisheye'. Basically it converts the Subversion log history into a 'sqlite' database and then queries sqlite database to generate graphs. You can write your own queries using the created sqlite database.

See if it works for you.

Share Improve this answer Follow

edited May 1, 2009 at 12:09

answered Feb 14, 2009 at 4:03

Nitin Bhide

1,695 ● 14 ● 15

5

If you are willing to go the commercial route check out FishEye from Atlassian (also see their demo site). FishEye also supports adding plugins (though this does not appear to be very well supported at this time).

Share Improve this answer

Follow

answered Sep 11, 2008 at 2:05

John Meagher

24.6k ● 14 ● 56 ● 57

2

See svn-churn, a simple Python script to determine file churn and fix count of a Subversion repository.

Share Improve this answer

Follow

answered Nov 5, 2014 at 12:39

Martin Moene

959 ● 11 ● 18

0

The only one i've ever heard of and used is statsvn, searching google doesnt return many results.

Share Improve this answer

Follow

answered Sep 10, 2008 at 15:35

John Boker

83.7k ● 17 ● 100 ● 130

0

You can probably use `svn blame` to get the date each line was changed and then use `sed` to pull out only the year and month and then use `sort` and `uniq -c` to generate a useful report.

Share Improve this answer

Follow

answered Sep 16, 2008 at 23:02

James A. N. Stauffer

2,669 ● 3 ● 22 ● 32

0

The Power Software tool, KEPM, is pretty focused on CHURN these days. JP

Share Improve this answer

Follow

answered Apr 28, 2009 at 16:00

Java Partner

-1

try programeter which analyses Subversion and many other dev. tools.

Share Improve this answer

Follow

edited Apr 13, 2016 at 9:31

Maxx

1,453 ● 4 ● 23 ● 32

answered Jul 16, 2009 at 7:54

Mark Kofman
639 4 12