

Relating Issues to Builds. Track+ Integration with Hudson.

Overview

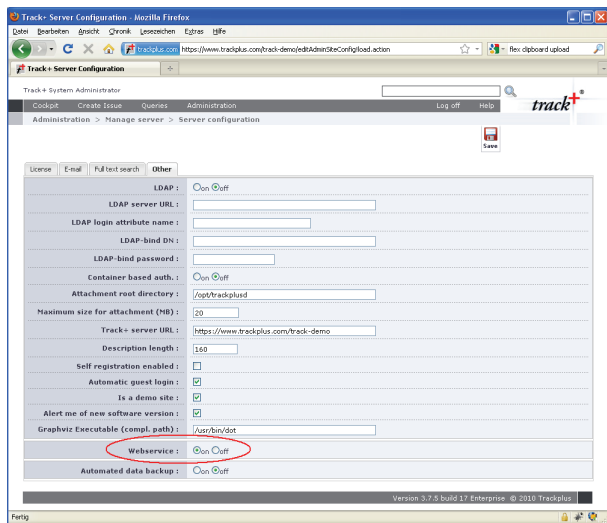
Hudson is a web based tool to automate continuous build processes in software development projects. Continuous build processes are particularly beneficial when you have automated unit or system tests that you can run with each build. These tests ensure that you do not regress in functionality or software quality while you are fixing defects or implementing new features.

Using a special Hudson plug-in, you can integrate Hudson with Track+. For Hudson builds, you will be able to see in Hudson which Track+ issues were addressed with a particular build. In Track+, you will see for each issue which Hudson build addressed that particular issue, and which files were affected. You get links in Hudson and in Track+ which will take you to the respective other application.

This article explains how to configure the Hudson-Track+ integration. This article does not explain how to initially set up either Track+ or Hudson.

Step 1: Configure Track+

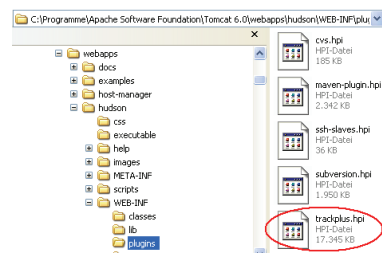
The only preparation required at the Track+ instance is to enable the web service interface. To do this, log in as system administrator ("admin") and go to Administration > Manage server > Server configuration, tab "Other". Make sure the webservice is enabled.



Step 2: Install Hudson Plug-In

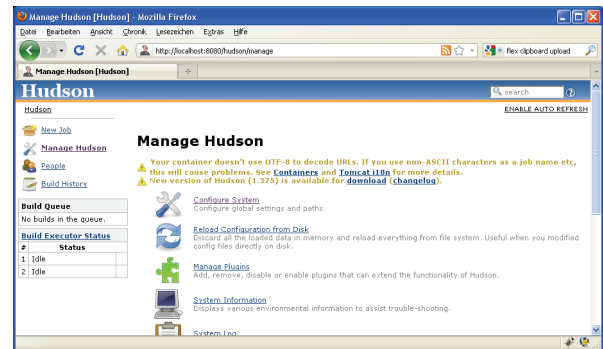
To enable Hudson to interact with Track+ you need to install a plug-in for Hudson. The plug-in consists of a single file "track-

plus.hpi" which you need to copy into the plug-in folder in your Hudson installation, as shown in the figure below. The Hudson plug-in folder is located under <Servlet container path>/webapps/hudson/WEB-INF, or wherever else you had installed Hudson previously. You need to restart Hudson after copying the file.

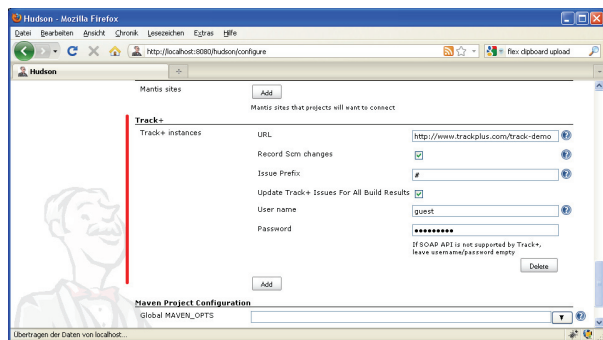


Step 3: Configure the Hudson-Track+ Connector

You need to establish a connection between Track+ and Hudson. To this purpose you add one or more Track+ connectors to your Hudson installation. From the Hudson main page, select the "Manage Hudson" link.



On the "Manage Hudson" page select "Configure System".

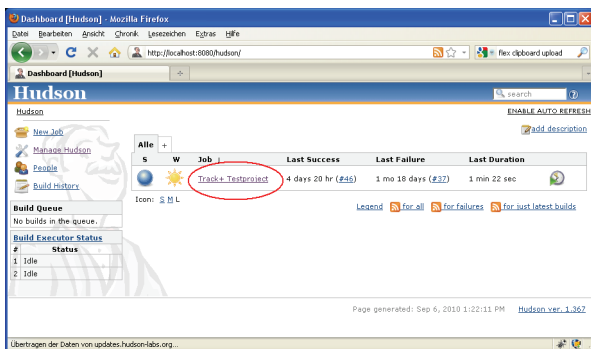


There is a section labeled "Track+". Here you can enter the URL for your Track+ server, and a user name and password which is being used to add comments to Track+ issues affected by a Hudson build. You should leave the issue prefix with "#", since this is the value being used by the Track+ Subversion integration.

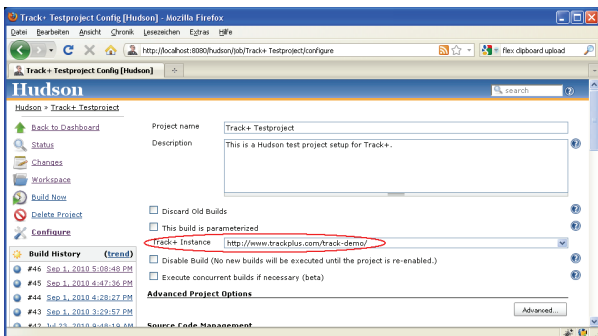
In Hudson, you can set up a number of Track+ connectors, for example to different Track+ servers, or with different user names.

Step 4: Configure the Hudson Job

In the last step, you will have to instruct Hudson which Track+ connection to use for a specific job. Click on the link for that job from the Hudson main page.



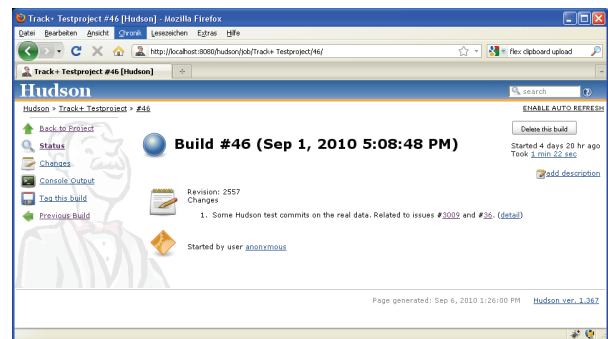
In the menu on the left, click the "Configure" link. Select the proper Track+ connection and save.



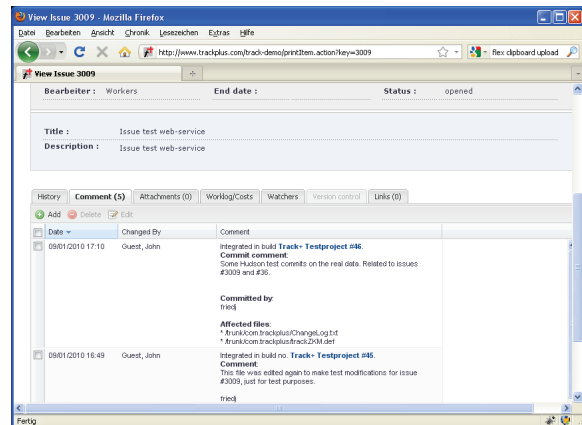
Use it!

The connection between Hudson builds and Track+ issues is created via Track+ issue numbers found in Subversion commit comments, preceded with a hashmark, like "3009".

When in the Hudson build you click on the issue number, the browser will take you to that Track+ issue.



The link in the Track+ issue comment will take you to the related Hudson build.



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