

checkjob trigger note

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1 Running Environment

checkjob.py trigger test passed by python2.7 under Centos7. P4 server need python2.7.

2 Purpose

Check wether changlist associate with a job while commit code.

3 How to use

3.1 Environment settings

1. Create a standard user on P4 server. Put the user into a group that have unlimited login timeout. And the user need list right to the directory that intended to use the trigger at least.
2. Put the checkjob.py file into a directory of P4 server. And must set the fileds in the checkjob.py:

```
os.environ['P4PORT']='1666'  
os.environ['P4CHARSET'] = 'utf8'  
os.environ['P4USER'] = 'jobuser'  
os.environ['P4PASSWD'] = '534F058A1BC50888531EC2B41517C4A1'
```

Notes:

P4PORT: Address of P4 server.

P4CHARSET: Client charset. Omit this if server is not run as unicode mode.

P4USER: User to run trigger.

P4PASSWD: Run p4 login -p as the user to run trigger. Paste the command soutput here.

3.2 Install trigger

Take CentOS7 as example. Deploy on other OSs is similiar.

Run p4 triggers command(super right is required). Add follow line in form:

```
jobcheck          change-submit          //path/need/check/...  
"/usr/bin/python %quote%/path/to/checkjob.py%quote%  %change%"
```

Notes:

1. There are one tab space before "jobcheck". jobcheck is trigger name. You can name the trigger as you will.

2. change-submit: Trigger type. This type trigger run while user try to commit files. But the file content have not been send to server at this point.
3. `//path/need/check/...` : The directory that trigger work for. If you need trigger work for several directories, you need add one line for each directory.
4. `"/usr/bin/python %quote%/path/to/checkjob.py%quote% %change%":` The command run for trigger. Full path is needed. %quote% represent ". If there are not blank in path, %quote% can be omitted. %change% is system variable for changelist number to be committed. Pass it to the script as input parameter.

Save the form.

4. Effect

If you try to commit something of specified directory without associating a job to the changelist, p4v will popup a error message box like below and commit will be failed.

