p4版本管理工具使用

1. p4 sync

下载，更新.

```
  * 更新全部p4 sync
  * 更新指定文件 p4 sync //Acme/dev/jam/Jamfile
  * 更新指定文件指定版本 p4 sync //Acme/dev/jam/Jamfile#1
  * 更新指定目录 p4 sync //Acme/dev/jam/...
```

一般非stream下载方式

```
mkdir 11111
cd 11111
setenv P4CLIENT xxxxx
p4 client; #  then edit the view by yourself
p4 sync
```

2. p4 add

添加文件到p4 changelist, 然后通过p4 submit命令就可以上传到p4

这个跟git有点类似。

3. p4 edit

将文件放入p4 changelist, 置为open状态。只有放入到changelist里面的文件才会在p4 submit的时候上传到p4库。 可以理解是git add命令。

4. p4 revert

将已经放入p4 changelist但是还没有p4 submit的文件，回退到修改前的版本。

```
p4 revert xxxx_file
```

```
p4 revert //...

Revert every file you have open, in every one of your pending changelists,
to its pre-opened state.

p4 revert -c default //...
```

```
Revert every file open in the default changelist to its pre-opened state.

p4 revert -n *.txt

Preview a reversion of all open .txt files in the current directory, but
don't actually perform the revert.

p4 revert -c 31 *.txt

Revert all .txt files in the current directory that were open in changelist
31.

p4 revert -a

Revert all unchanged files. This command is often used before submitting a
changelist.
```

5. p4 diff

只有放入p4 changelist里面的文件（即需要先用p4 edit xxx命令），才可以进行p4 diff

这跟git不一样，git可以直接git diff， p4 有些麻烦。

6. p4 files

显示p4指示路径有哪些文件。

```
p4 files //depot/... Provides information about all files in the depot.
p4 files //clientname/... Provides information about all depot files visible
through the client view.
p4 files @2011/03/10 Provides information about all depot file revisions
that existed on March 10, 2011.
p4 files @2011/03/31:08:00,@2011/03/31:17:00 Lists all files and revisions
changed during business hours on March 31, 2011.
p4 files //depot/proj2/...@p2lab Lists files and revisions under the
directory //depot/proj2/... tagged by label p2lab.
p4 files //depot/file.c Show information on the head revision of
//depot/file.c. (that is, the highest revision in the implied range of
#1,#head)
p4 files -a //depot/file.c Show information on every revision of
//depot/file.c (that is, all revisions in the implied range of #1,#head)
p4 files -A //arch/depot/proj/... If an administrator has used p4 archive to
transfer //depot/proj/... to an archive P4 Command depot named arch,
displays information about the files in the archived project.
```

7. p4 print

将p4库上指定文件，指定版本的内容打印出来，可以使用>号打印到一个文件， 比如：

```
p4 print //p4_depot_xxx/file_xxx#20 > 1
```

这样可以用gvimdiff命令，执行本地文件与指定p4库版本的文件进行比较。

8. p4 submit

将p4 changelist里面的文件上传到p4

```
p4 submit -d "xxxx"
```

9. p4 changelist

显示或编辑进入p4 changelist的文件，我本人一般只是用`p4 changelist -o`命令来显示changelist内容。

10. p4 have

查看本地文件版本

```
p4 have Jamfile
```

11. p4 label

打tag

12. p4 labels

Display list of defined labels. 它是显示全部的tag 如果需要指定人打包的可以加上-u xxx参数

示例：

```
p4 labels -u xxx | grep tag_xxx
```

13. p4 filelog

查看指定文件的历史版本信息，注意这里显示是的直到p4库上最新的修改，不是到当前目录p4 client版本

为时间截止的修改历史。

```
p4 filelog xxxx
p4 filelog //p4xxxx/xxxx
```

14. p4 changes

查看最近提交的版本list log

```
#查看某库近10次版本提交log
p4 changes -s submitted -m 10 //p4_depot/xxxx/....

#等价于
p4 changes -m 10 //p4_depot/xxxx/....
```

查看有哪些pengding changes

```
p4 changes -s pending -u xxx
```

删除对应p4 change

```
p4 change -d change_number
```

15. p4 delete

p4 删除文件。

16. p4 client

删除p4 client

```
p4 client -d clientname
```