

OSG Connect Unit Tests

Jenkins

- Tool for Continuous Integration (CI)
- Performs automated builds
 - essentially: checks to make sure your source code still does what it should be doing (and, if not, helps you figure out when the code last stopped working and the reason why)

Cram

- Testing framework for command line applications
- Like running “diff” between the expected output of a unix command and the actual output

```
1  prologue
2  -----
3      $ cp -a ${TESTDIR}/tutorial-quickstart .
4      $ cd tutorial-quickstart
5
6  short.sh
7  -----
8
9  run short.sh without parameters:
10     $ ./short.sh
11     Start time: * (glob)
12     Job is running on node: * (glob)
13     Job running as user: * (glob)
14     Job is running in directory: * (glob)
15
16     Working hard...
17     Science complete!
18
19  run short.sh with parameters:
20     $ ./short.sh 1
21     Start time: * (glob)
22     Job is running on node: * (glob)
23     Job running as user: * (glob)
24     Job is running in directory: * (glob)
25
26     Working hard...
27     Science complete!
28
```

In Progress/To-Do

- Visualizing the data via tables on the OSG Connect website
- Jenkins build slave: currently a detached shell screen ssh'd on to my osgconnect account
- Connecting the GitHub Repository to the tutorial files on OSG Connect

Links

- Jenkins server: <http://build.ci-connect.net:8080/>
- Tables (in progress): <http://stash.osgconnect.net/+antonyu/tables/tables.html>