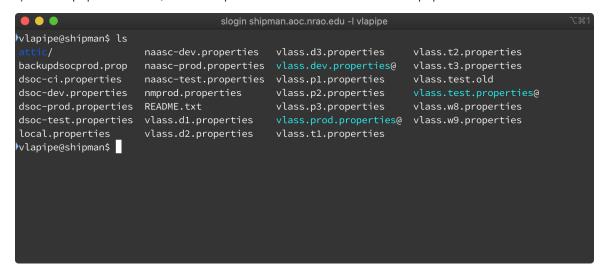# CAPO and Revision Control

The main CAPO properties are stored in /home/casa/capo, this directory is under git revision control, this document will describe how to edit the files and check the modifications into git. This won't be an exhaustive example or a real intro to git, though.

In the example below I'll be editing the `dsoc-test` profile, which controls the function of the test system https://data-test.nrao.edu, to modify production you'd want to edit the `dsoc-prod` profile instead. Lets assume the VLA is changing configurations and we want to temporarily disable the CIPL calibration pipeline.

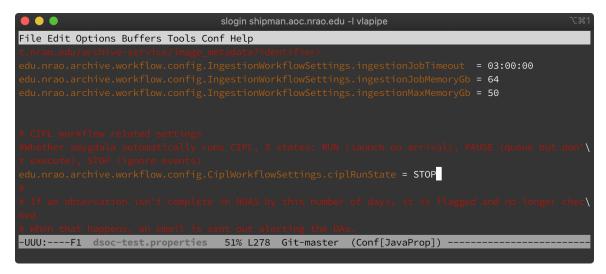1) Log into any DSOC linux machine as the account vlapipe and change directories to /home/casa/capo:

```
●●●                      slogin shipman.aoc.nrao.edu -l vlapipe                      ⌥⌘1
 ~      slogin shipman.aoc.nrao.edu -l vlapipe
**************************************************************************
 National Radio Astronomy Observatory computing facilities are exclusively
   for the use of authorized personnel, who are expected to abide by the
     terms of the NRAO Computing Security and Computing Use Policies.
**************************************************************************
Last login: Tue Nov  9 14:04:33 2021 from nhertz.aoc.nrao.edu


**************************************************************************
                  National Radio Astronomy Observatory
                         Authorized use only

                  https://info.nrao.edu/computing/guide/
**************************************************************************


vlapipe@shipman$ cd /home/casa/capo
vlapipe@shipman$
```

2) There are properties files here, one for each profile. The one we want is called dsoc-test.properties:

```
●●●                      slogin shipman.aoc.nrao.edu -l vlapipe                      ⌥⌘1
vlapipe@shipman$ ls
attic/                  naasc-dev.properties    vlass.d3.properties     vlass.t2.properties
backupdsocprod.prop     naasc-prod.properties   vlass.dev.properties@   vlass.t3.properties
dsoc-ci.properties      naasc-test.properties   vlass.p1.properties     vlass.test.old
dsoc-dev.properties     nmprod.properties       vlass.p2.properties     vlass.test.properties@
dsoc-prod.properties    README.txt              vlass.p3.properties     vlass.w8.properties
dsoc-test.properties    vlass.d1.properties     vlass.prod.properties@  vlass.w9.properties
local.properties        vlass.d2.properties     vlass.t1.properties
vlapipe@shipman$
```

3) Edit the file, find the line:

```
    edu.nrao.archive.workflow.config.CiplWorkflowSettings.ciplRunState = RUN
```

change RUN to STOP and save the file.

```
File Edit Options Buffers Tools Conf Help
t.nrao.edu/archive-service/image_metadata?identifier=
edu.nrao.archive.workflow.config.IngestionWorkflowSettings.ingestionJobTimeout  = 03:00:00
edu.nrao.archive.workflow.config.IngestionWorkflowSettings.ingestionJobMemoryGb = 64
edu.nrao.archive.workflow.config.IngestionWorkflowSettings.ingestionMaxMemoryGb = 50


# CIPL workflow related settings
#Whether amygdala automatically runs CIPL, 3 states: RUN (launch on arrival), PAUSE (queue but don'\
t execute), STOP (ignore events)
edu.nrao.archive.workflow.config.CiplWorkflowSettings.ciplRunState = STOP
#
# If an observation isn't complete in NGAS by this number of days, it is flagged and no longer chec\
ked
# When that happens, an email is sent out alerting the DAs.
-UUU:----F1  dsoc-test.properties    51% L278  Git-master  (Conf[JavaProp]) ------------------------
```

4) Now mark the file as changed with:

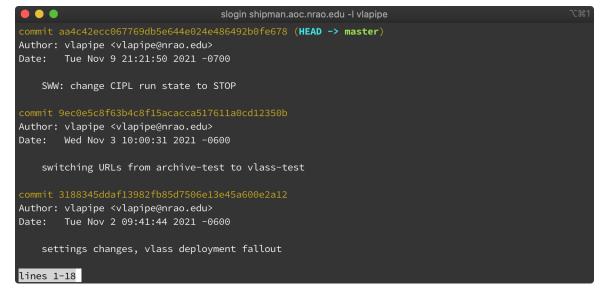 `git add dsoc-test.properties`

then commit the change with

`git commit -m "some comment"`

I usually use my initials and denote what I've done:


```
vlapipe@shipman$ git add dsoc-test.properties
vlapipe@shipman$ git commit -m "SWW: change CIPL run state to STOP"
[master aa4c42e] SWW: change CIPL run state to STOP
 1 file changed, 1 insertion(+)
vlapipe@shipman$
```

5) If you like, you can use the `git log dsoc-test.properties` command to see the previous comments:

```
slogin shipman.aoc.nrao.edu -l vlapipe

commit aa4c42ecc067769db5e644e024e486492b0fe678 (HEAD -> master)
Author: vlapipe <vlapipe@nrao.edu>
Date:   Tue Nov 9 21:21:50 2021 -0700

    SWW: change CIPL run state to STOP

commit 9ec0e5c8f63b4c8f15acacca517611a0cd12350b
Author: vlapipe <vlapipe@nrao.edu>
Date:   Wed Nov 3 10:00:31 2021 -0600

    switching URLs from archive-test to vlass-test

commit 3188345ddaf13982fb85d7506e13e45a600e2a12
Author: vlapipe <vlapipe@nrao.edu>
Date:   Tue Nov 2 09:41:44 2021 -0600

    settings changes, vlass deployment fallout

lines 1-18
```

That is it!