

Cleaning up home directories

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Trigger/DAQ workshop at Yonsei

Why cleanup

- Can you find a correct script?
- Isn't there any chance to pick up a wrong / obsolete file?
- As the number of files increases, more difficult to clean up
- As the number of users increases, more difficult to clean up
 - Especially the original file creator might be already gone

Reasonable case

```
svd08% ls -l
合計 56
drwxr-xr-x. 13 b2svd svd 4096 5月 16 12:46 2019 20190516.before-cvmfs/
lrwxrwxrwx. 1 b2svd svd 21 8月 21 11:16 2018 basf2 -> /home/mnt/b2daq/basf2/
-rw-r--r--. 1 b2svd svd 282 3月 7 09:57 2019 cprstate.0307
drwxr-xr-x. 7 b2svd svd 4096 5月 16 10:20 2019 daq_restart/
lrwxrwxrwx. 1 b2svd svd 39 5月 16 10:00 2019 daq_slc -> /cvmfs/daq_slc.daqnet.kek.jp/sl6/latest/
lrwxrwxrwx. 1 b2svd svd 39 5月 16 10:00 2019 daq_slc-sl5 -> /cvmfs/daq_slc.daqnet.kek.jp/sl5/latest/
lrwxrwxrwx. 1 b2svd svd 39 5月 16 10:00 2019 daq_slc-sl6 -> /cvmfs/daq_slc.daqnet.kek.jp/sl6/latest/
lrwxrwxrwx. 1 b2svd svd 39 5月 16 10:00 2019 daq_slc.copper -> /cvmfs/daq_slc.daqnet.kek.jp/sl5/latest/
drwxr-xr-x. 8 b2svd svd 4096 4月 26 09:53 2019 graveyard/
drwxr-xr-x. 2 b2svd svd 4096 9月 7 10:59 2018 katsuro/
drwxr-xr-x. 10 b2svd svd 4096 12月 6 11:47 2018 log/
-rw-r--r--. 1 b2svd svd 5508 3月 7 09:59 2019 nsm.local
drwxr-xr-x. 8 b2svd svd 4096 2月 22 06:55 2019 nsm2/
drwxr-xr-x. 8 b2svd svd 4096 2月 27 09:28 2019 old-sl5/
drwxr-xr-x. 11 b2svd svd 4096 2月 27 12:42 2019 old-sl6/
-rw-r--r--. 1 b2svd svd 28 5月 8 18:39 2019 process-svd08.list
drwxr-xr-x. 4 b2svd svd 4096 8月 9 09:31 2018 src/
lrwxrwxrwx. 1 b2svd svd 42 3月 7 10:20 2019 start-nsmd2.sh -> daq_restart/restart-scripts/start-nsmd2.sh*
drwxr-xr-x. 3 b2svd svd 4096 9月 6 18:15 2018 svd/
svd08%
```

Probably about half of them are necessary

Worst case

```
top03% ls
# .bash_profile#      20170731.2123.dat  20171009.1814.dat
20020110.2031.dat      20170731.2236.dat  20171021.1150.dat
20020113.1433.dat      20170731.2243.dat  20171101.1601.dat
20020113.1434.dat      20170801.1110.dat  20171106.1347.dat
20020113.1746.dat      20170801.1116.dat  20171114.1639.dat
20020113.1921.dat      20170801.1117.dat  20180207.1438.dat
20020113.1922.dat      20170801.1118.dat  20180214.2032.dat
20020113.1932.dat      20170801.1119.dat  20180214.2033.dat
20020113.1933.dat      20170818.1544.dat  20180214.2205.dat
20020113.1936.dat      20170820.1006.dat  20180308.1327.dat
20020121.0541.dat      20170825.1824.dat  20180308.1328.dat
20020131.1543.dat      20170826.0059.dat  20180309.2131.dat
20020218.0236.dat      20170826.0102.dat  20180512.2233.dat
20020218.1328.dat      20170826.0104.dat  20180604.1719.dat
20020219.1807.dat      20170826.0246.dat  20180604.1720.dat
20020219.1808.dat      20170826.0307.dat  20180724.1857.dat
20020219.1854.dat      20170826.0316.dat  20190516.before-cvmfs/
20020220.0629.dat      20170826.0353.dat  B2L_common.py
20020220.0636.dat      20170826.0413.dat  B2TOP_top01.b2nsm.kek.jp.txt
20020222.0259.dat      20170826.0415.dat  B2TOP_top03s.txt
2016-03-23.lf-r        20170826.0743.dat  B50_log_121937.txt
2016-04-19.lf-r        20170826.0805.dat  B50_log_195207.txt
20161028.1240.dat      20170826.0911.dat  B51_log_181348.txt
20161106.1014.dat      20170826.1008.dat  B51_log_190207.txt
20161106.1015.dat      20170828.2004.dat  B52_log_141109.txt
20161106.1056.dat      20170828.2024.dat  B53_log_141129.txt
2017/
20170720.2347.dat      20170830.1407.dat  Makefile
20170720.2352.dat      20170901.1838.dat  Makefile.src
20170720.2355.dat      20170901.1858.dat  Run_Threshold_Scan.py*
20170720.2357.dat      20170901.1908.dat  apps@
20170721.0000.dat      20170901.1909.dat  b2s/
20170721.1040.dat      20170901.1910.dat  backup_scripts_dev_cpr3013_20160908.tgz
20170724.1347.dat      20170901.1912.dat  bak_login
20170724.1348.dat      20170901.1925.dat  base@
20170724.1349.dat      20170901.2002.dat  basf2@
20170724.1903.dat      20170901.2107.dat  bash_profile.bak
20170731.2110.dat      20170901.2109.dat  belle2/
20170731.2122.dat      20170922.1115.dat  bin/
20170731.2122.dat      20170922.1115.dat  build/

copper@
cprstate.0307
daq_restart@
daq_restart-master/
daq_restart-oskar/
daq_scripts@
daq_scripts_old@
daq_scripts_top03_backup20170721.tar.gz
daq_scripts_top03_backup20170803.tar.gz
daq_scripts_top03_backup20171116.tar.gz
daq_scripts_top03_backup20171214.tar.gz
daq_scripts_top03_backup20171221.tar.gz
daq_scripts_top03_backup20180405.tar.gz
daq_scripts_top03_backup20180614.tar.gz
daq_scripts_top03_backup20180702.tar.gz
daq_scripts_top03_backup20180727.tar.gz
daq_scripts_top03_backup20181218.tar.gz
daq_scripts_top03_backup20190724.tar.gz

daq_slc@
daq_slc-sl5@
daq_slc-sl6@
daq_slc.copper@
daq_top03_20170331.tar.gz
data@
data.bak/
data.local/
data.tg
data_mnt@
database@
dqm@
externals/
externals_copper/
extra/
fe_only_64.dat
firmware/
git/
graveyard/
home-group-b2top-svn-trunk-software-b2l-scripts_ll.tar
hs1b052_xtal.bit

hvcontrol@
id_pub_181115.txt
include/
index.html
kill_all.sh*
kill_basf2.sh*
kill_basf2.sh_old*
lf-r
lib/
log/
log_bash/
logs.tgz
lwood/
maeday/
nsm@
nsm.local
nsm2/
nya@
old-sl5/
old-sl6/
software/
src/
process-top03.list
program-bit-20-21-impact*
program-bit-20-21-impact.batch*
program-bit-20-23-impact*
program-bit-20-23-impact.batch*
program-bit-impact*
program-elf-xmd*
program_all_boardstacks.sh*
psql@
pushDat.sh*
pyb2daq@
readout@
reset-all-hardware.xmd.tcl
reset-ps.tcl.xmd
run002686_slots09_test_cpr3009.dat.gz
runcontrol@
s09_peds.tgz
scripts_dev_logs_top03_backup20190724.tar.gz

scripts_dev_new@
scripts_dev_new_backup_top03_20170331.tar.gz
scripts_dev_new_top03_backup20170721.tar.gz
scripts_dev_new_top03_backup20170803.tar.gz
scripts_dev_new_top03_backup20171116.tar.gz
scripts_dev_new_top03_backup20171214.tar.gz
scripts_dev_new_top03_backup20171221.tar.gz
scripts_dev_new_top03_backup20180405.tar.gz
scripts_dev_new_top03_backup20180614.tar.gz
scripts_dev_new_top03_backup20180702.tar.gz
scripts_dev_new_top03_backup20180727.tar.gz
scripts_dev_new_top03_backup20181218.tar.gz
scripts_dev_new_top03_backup20190724.tar.gz
setenv.csh
setenv.sh
slc/
slc_copper/
slc_sl5/
slc_sl6/
software/
src/
start-nsm2.sh@
svn/
svn_new/
svn_trunk_20170505.tar.gz
system@
takebackup.sh*
takebackup_guanyh.sh*
testPollableMemory.py
tmp/
tools@
update.sh*
webert/
work/
yamadas/
yinghui/
```

231 entries, 38 directories, 47 entries dated 2016, 25 empty files, directories with the name of the already left members, probably only about 10% of them are necessary for run-time

It's much more messy than our E-hut.

Number of files in ROPC home

arich01: 56 +++++

arich02: 27 ++

arich03: 38 +++

arich04: 36 +++

arich05: 29 ++

arich06: 29 ++

cdc01: 44 +++++

cdc02: 33 +++

cdc03: 34 +++

cdc04: 34 +++

cdc05: 33 +++

cdc06: 22 ++

cdc07: 22 ++

cdc08: 20 ++

cdc09: 23 ++

ecl01: 95 ++++++++

ecl02: 24 ++

ecl03: 22 ++

ecl04: 23 ++

ecl05: 22 ++

ecl06: 89 ++++++++

ecl07: 22 ++

ecl08: 22 ++

ecl09: 22 ++

ecl10: 22 ++

klm01: 83 ++++++++

klm02: 26 ++

klm03: 37 +++

svd01: 41 +++++

svd02: 23 ++

svd03: 20 ++

svd04: 32 +++

svd05: 21 ++

svd06: 20 ++

svd07: 27 ++

svd08: 19 +

svd09: 19 +

top01: 88 ++++++++

top02: 94 ++++++++

top03: 231 ++++++

trg01: 64 +++++

trg02: 38 +++

Guideline and plan

- for run-time: daq_slc symlinks to cvmfs, log directory, etc
- scripts should be symbolic link to designated location
- plain files should be avoided
- obsolete files should be packed into single place (graveyard)
- **DAQ SC team will move all files to graveyard/**

home of shifter PCs

```
Shiftl% ls
Desktop/ Downloads/ Pictures/ Templates/ css-belle2@ daq_slc@
Documents/ Music/ Public/ Videos/ daq_rc.cs-studio/ log/
shiftl%

DQM

panela% ls
Desktop/ Music/ Public/ combined-evdisp.py
Documents/ Pictures@ belle2.tar.gz css-belle2/
Downloads/ Pictures.bak/ bin/ psh.cs-studio/
panela%

SKEKB

panelb% ls
Desktop/ Screenshot from 2019-02-08 19-52-58.png Screenshot from 2019-03-25 19-24-51.png Screenshot from 2019-04-25 15-49-44.png Videos/ klmhits_4.png
Documents/ Screenshot from 2019-02-12 01-20-54.png Screenshot from 2019-03-25 19-43-29.png Screenshot from 2019-04-26 22-18-31.png backup.png klmhits_5.png
Downloads/ Screenshot from 2019-02-14 08-21-48.png Screenshot from 2019-03-25 19-54-30.png Screenshot from 2019-04-30 19-44-55.png bin/ klmhits_7.png
Music/ Screenshot from 2019-02-14 08-26-17.png Screenshot from 2019-04-25 15-42-22.png Screenshot from 2019-05-06 01-54-01.png css-belle2/ muon.png
Pictures@ Screenshot from 2019-02-28 20-33-30.png Screenshot from 2019-04-25 15-42-26.png Screenshot from 2019-06-07 03-01-17.png eventdisplay.png phase3_first_collision.png
Pictures.bak/ Screenshot from 2019-03-01 22-45-35.png Screenshot from 2019-04-25 15-43-23.png Screenshot1.png eventdisplay.sh* run3683_event_1355268.png
Public/ Screenshot from 2019-03-01 22-45-38.png Screenshot from 2019-04-25 15-43-32.png Screenshot2.png freeze_restart_failed.png run3687_event2948265.png
Screenshot from 2019-01-24 18-49-54.png Screenshot from 2019-03-01 22-45-51.png Screenshot from 2019-04-25 15-43-34.png Screenshot3.png hadrons.png run3690_event354395.png
Screenshot from 2019-02-08 19-45-15.png Screenshot from 2019-03-03 17-46-00.png Screenshot from 2019-04-25 15-48-43.png TOPTRG_cosmics_glancing.png klkmhits_1.png run_3566_ev147314.png
Screenshot from 2019-02-08 19-45-46.png Screenshot from 2019-03-03 18-08-55.png Screenshot from 2019-04-25 15-48-52.png TOPTriggeredEvent.png klmhits_2.png run_3574_event_382848.png
Screenshot from 2019-02-08 19-46-17.png Screenshot from 2019-03-25 19-19-53.png Screenshot from 2019-04-25 15-49-39.png Templates/ klmhits_3.png saurabh_1.png
panelb%

evdisp

[b3] 0:b2shift@panela:nakao*
```

- I wasn't aware that people keeping many evdisp screen shots in home
- By saving in Pictures/, it is shared with RC PC with elog/rocketchat

home of ttd11

```
ttd11% ls -l
total 184
drwxr-xr-x.  8 b2daq daq   4096 Aug 27 14:22 :graveyard/
drwxr-xr-x.  2 b2daq daq   4096 Apr 25 17:21 bin/
lrwxrwxrwx.  1 b2daq daq    40 Aug  7 19:37 daq_restart -> /cvmfs/daq_slc.daqnet.kek.jp/daq_restart/
lrwxrwxrwx.  1 b2daq daq    39 Aug  7 19:37 daq_slc -> /cvmfs/daq_slc.daqnet.kek.jp/sl7/latest/
drwxr-xr-x. 14 b2daq daq   4096 Jul  8 14:23 log/
-rwxr-xr-x.  1 b2daq daq 161000 Jul 24 15:38 mytestd*
-rw-r--r--.  1 b2daq daq    32 Mar  8 15:54 process-ttd11-watch.list
lrwxrwxrwx.  1 b2daq daq    43 Jul 23 11:49 process-ttd11.list -> daq_restart/cron-scripts/process-ttd11.list
drwxr-xr-x.  7 b2daq daq   4096 Sep 14 2018 src/
lrwxrwxrwx.  1 b2daq daq    42 Jul 23 11:48 start-nsmd2.sh -> daq_restart/restart-scripts/start-nsmd2.sh*
lrwxrwxrwx.  1 b2daq daq    42 Jul 23 11:48 start.sh -> daq_restart/restart-scripts/start-ttd11.sh*
drwxr-xr-x.  2 b2daq daq   4096 Aug 19 12:26 ttd/
ttd11% █
```

- Very clean? Yes, but this is cleaned up while preparing this slide
- Still two files whose final location should not be home