How to setup "ROPC(SL6 64bit)/COPPER(SL5 32bit)" system from the current "ROPC(SL5 32bit)/COPPER(SL5 32bit)"

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1. Setup environment

1. Archive tftpboot directory and other files on the old ROPC.

- ➤ [Old ROPC: /] \$ tar cvf ~/tftpboot.tar /tftpboot
- Copy /etc/dhcpd.conf, /etc/xinet.d/eb-xinetd, ~/eb (for event builder0), /etc/exports

2. Install SL6 64bit on the new ROPC

- Disable firewall (# /usr/bin/system-config-firewall-tui) and set Selinux permissive (# setenforce 1)

3. Extract the files

- > [new ROPC : /] \$ tar xvf tftpboot.tar
- And copy other files. (/etc/dhcpd.conf should be placed under /etc/dhcp/)
- (Re)start services; /sbin/service dhcpd(nfs,xinetd) restart, /sbin/chkconfig tftpboot on

4. Turn on COPPERs and see what happen.

[new ROPC:] # tail –f /var/log/messages

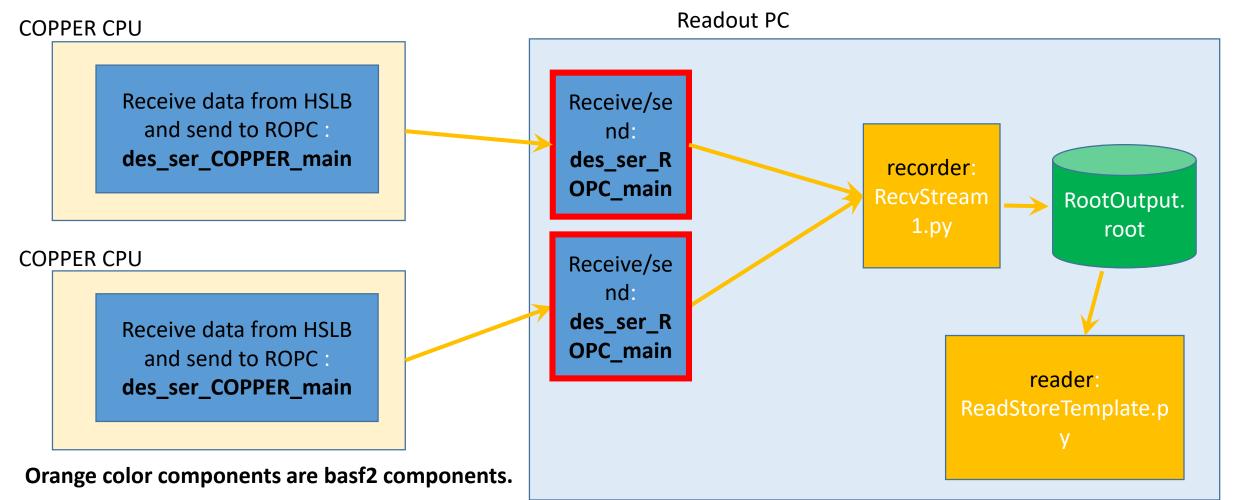
2. Compiling DAQ program

- Install basf2 on ROPC
 - See https://confluence.desy.de/display/BI/Software+SoftwareInstallation
 - Compile basf2 by 'scons' on ROPC
- Compile DAQ programs
 - ROPC : cd ~/basf2/release/daq/ropc; make ropc
 - COPPER: cd ~/basf2/release/daq/ropc; make copper

3. Run DAQ program

[ropc:]\$ \${BELLE2_LOCAL_DIR}/daq/copper/daq_scripts/run_start_mono.sh

Alternative scheme w/o eb0



3, How to set parameters in scripts

- Please see "Take data using COPPER and setting for that" at https://confluence.desy.de/display/BI/DAQ+PocketDAQ
 - P.8: How to modify daq/rawdata/example/RecvStream1.py
 - P.14 and p.16: How to modify daq/copper/daq_scripts/run_start_mono.sh