

Action

Starting Run Control IOC:

- 1) You will need to be logged on to miceiocpcf in order to start or stop the run control IOC. If there is not a computer logged into miceiocpcf then call for log in details:
 - Chris Heidt – 0744 564 2819
 - Pierrick Hanlet – Check expert list
- 2) Check that run control is not already running:
 - ps aux | grep startRC
 - if it is running grab the id and type: kill id#
- 3) Type: source cd /home/epics/epicsPRO/epicsENV
 - cd /home/epics/epicsPRO/iocTops/RunControl
 - ./startRC.sh

Starting Run Control GUI:

- 1) If the Tiered App Launcher UI is not already open, double click on the “Controls Menu” button on the desktop to open the menu.
- 2) Navigate to the heading “DAQ/RunControl/Electronics” heading and expand the menu.
- 3) Open “MICE Run Control” and “MICE Run Status”

Notes:

- 1) You should not have more than one copy of Run Control active in the MLCR at a time
- 2) The **blue** gear icon means the program is already running on the computer, if you can not find it, press the Kill button and try starting Run Control again.
- 1) The **red 'x'** means there is a problem opening the program, usually, this means there is already a version running on this computer. Try pressing the Kill button.

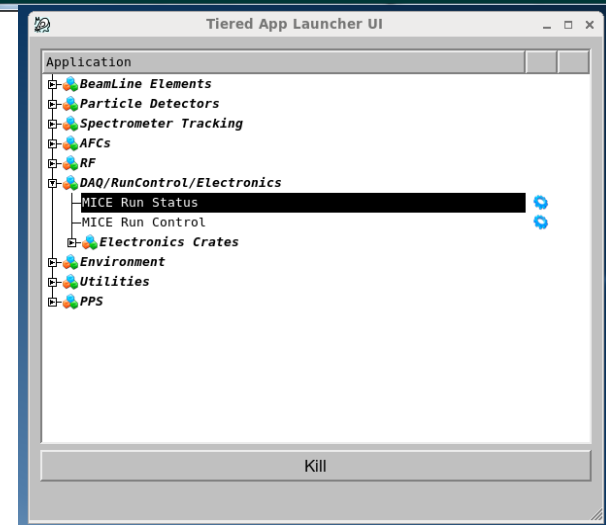
Expected Result

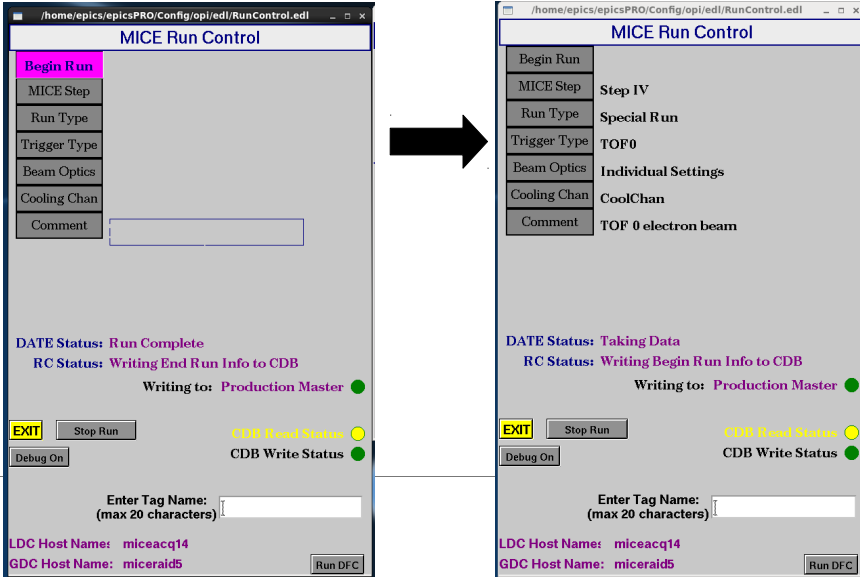
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MTPuTTY (Multi-Tabbed PuTTY)
Server View Tools Help
Imperial2 (x03.hep.ph.ic.ac.uk) x Rutherford (heplv155.pp.rl.ac.uk) x
[miceiocptest] RunControl > ssh miceiocpcf
Last login: Tue Oct  6 15:04:08 2015 from miceiocptest.micenet.rl.ac.uk
[epics@miceiocpcf ~]$ ps aux | grep startRC
epics      8116  0.0  0.0  5500  740 pts/6    S+   15:05   0:00  grep startRC
[epics@miceiocpcf ~]$ source /home/epics/epicsPRO/epicsENV
[epics@miceiocpcf ~]$ cd /home/epics/epicsPRO/iocTops/RunControl/
[epics@miceiocpcf RunControl]$ clear
[epics@miceiocpcf RunControl]$ ./startRC.sh
    
```

A red box highlights the process ID '8116' in the terminal output, with a red arrow pointing to it from the text below.

Process id, kill this is Run Control is running



Action	Expected Result
<p>Controlling the Run:</p> <ol style="list-style-type: none"> 1) Press the “Begin Run” button, and follow the series in descending order, filling out each section as instructed in the Run Plan (http://micewww.pp.rl.ac.uk/projects/operations/wiki/RunPlans) 2) Enter a short run comments 3) Press Start Process, this begins the DAQ arming 4) Once the DAQ is ready, the “Start Run” button appears, press that to begin the run. 5) At the end of the run press the button “Stop Run” 	
<p>Ending the Run:</p> <ol style="list-style-type: none"> 1. Enter a comment into the comment box and press the Enter key 2. Type the following commands into the terminal in which run control is currently active in: <ul style="list-style-type: none"> • Ctrl-C • Up arrow key • Enter • This should end then immediately restart the run control IOC 	

- If for any reason you need to check a IOC variable you can do so with the “caget” command from the terminal. Find the variable name by middle clicking the GUI on the field that contains the variable output
 - caget MICE-SYS-NUM:NAME