

LCLS use of Channel Watcher

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Table 1-0			
Description	Development	DMZ Production	Production
Host	lcls-dev2	lcls-prod01	lcls-daemon2
Account	laci	laci	laci
TOOLS_DATA	/nfs/slac/g/lcls/dev/tools	/nfs/slac/g/lcls/tools	/usr/local/lcls/tools
IOC_DATA	/nfs/slac/g/lcls/dev/epics/ioc/data	/nfs/slac/g/lcls/epics/ioc/data	/u1/lcls/epics/ioc/data
TOOLS	/afs/slac/g/lcls/tools	/afs/slac/g/lcls/tools	/usr/lcls/tools

Table 1-1			
Description	CVS Repository	CVS Reference Directory	
Source	[epics/extensions/src/ChannelWatcher	http://www.slac.stanford.edu/cgi-wrap/cvsweb/epics/extensions/src/ChannelWatcher/?cvsroot=LCLS]	/afs/slac/g/lcls/epics/extensions/src/ChannelWatcher
Configuration	[tools/ChannelWatcher/config	http://www.slac.stanford.edu/cgi-wrap/cvsweb/tools/ChannelWatcher/config/?cvsroot=LCLS]	/afs/slac/g/lcls/tools/ChannelWatcher/config
Scripts	[tools/ChannelWatcher/script	http://www.slac.stanford.edu/cgi-wrap/cvsweb/tools/ChannelWatcher/script/cvsroot=LCLS]	/afs/slac/g/lcls/tools/ChannelWatcher/script

Table 1-2.1	
Input Files	
Description	Location
Channel Watcher Config Files	\$TOOLS/ChannelWatcher/config
Channel Watcher Scripts	\$TOOLS/ChannelWatcher/scripts
Channel Watcher System Scripts	/etc/init.d

Table 1-2.2	
Output Files	
Channel Watcher Log File	\$TOOLS_DATA/ChannelWatcher
IOC Save File	\$IOC_DATA/<ioc nodename>

Note: Log files are accessible from lcls hosts only. Log files are not stored in CVS.

The ChannelWatcher processes run under the laci account on the hosts listed in Table 1-3 below. To start, stop, and restart ChannelWatcher, see table 1-3 below. At host startup, the ChannelWatcher processes are started by /etc/rc3.d/S98st.cwXX.

Table 1-3		
Dev Host: lcls-dev2		
Prod Host: lcls-prod01		
User Account: laci		
Data Files: \$IOC_DATA/<ioc nodename>		
Subsystem	Shell Command	Master File
Beam Containment	/etc/init.d/st.cwBC <start,stop, restart>	Master.BC
Bunch Length	/etc/init.d/st.cwBL <start,stop,restart>	Master.BL
BPM	/etc/init.d/st.cwBP <start,stop, restart>	Master.BP
Feedback	/etc/init.d/st.cwFB <start,stop,restart>	Master.FB
Current Monitor	/etc/init.d/st.cwIM <start,stop,restart>	Master.IM
Laser	/etc/inir.d/st.cwLS <start,stop,restart>	Master.LS
Motion Control	/etc/init.d/st.cwMC <start,stop,restar>	Master.MC
Magnet	/etc/init.d/st.cwMG <start,stop, restart>	Master.MG
Matlab Applications	/etc/init.d/st.cwML <start,stop, restart>	Master.ML
MPS	/etc/init.d/st.cwMP <start,stop, restart>	Master.MP
Profile Monitor	/etc/init.d/st.cwPM <start,stop, restart>	Master.PM
Low-Level RF	/etc/init.d/st.cwRF <start,stop, restart>	Master.RF
Vacuum	/etc/init.d/st.cwVA <start,stop, restart>	Master.VA
Water	/etc/init.d/st.cwWA <start,stop, restart>	Master.WA

View Status ChannelWatcher Process

To determine if an XX ChannelWatcher process has been activated execute the shell command.

ps -ef | grep Master.XX

System Administration

- Backups
- Log files