

LCLS use of Channel Archiver

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Manual

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[Channel Archiver LCLS Groups](#) *browser must be run from lcls-prod02 (lclsdmz) to view*

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

Table 1-2	
Description	Directory
Log	/home/tools/ChannelArchiver

Note: Log files are accessible from the host lcls-dev only. Log files are not stored in CVS.

The Archiver process runs under the laci account on the hosts listed in Table 1-3 below.

All scripts are located in [/afs/slac/g/lcls/tools/ChannelArchiver/script](#)

Table 1-3						
Host	Account	Start Script	Stop Script	Watchdog Script	PV List	Data Files
lcls-dev	laci	start.archiver	stop.archiver	tscron.watchdog		

Start Archiver

Method 1:

1. Log into host lcls-dev from the laci account
2. [cd \\$LCLS_TOOLS/channelArchiver/script](#)
3. [./start.archiver ArchiveEngineOra](#)

Method 2:

1. Log into host lcls-dev from the laci account

Stop Archiver

Method 1:

1. Log into host lcls-dev from the laci account
2. [cd \\$LCLS_TOOLS/channelArchiver/script](#)
3. [./stop.archiver ArchiveEngineOra](#)

Method 2:

1. Log into host lcls-dev from the laci account
2. Determine the process id to kill by typing the following from the Unix shell [ps -ef | grep ArchiveEngineOra](#)
3. The process that you want to stop will have "lcls" in the pathname. Once you have determined the correct process id type the following from the Unix shell [kill -9 <process_id>](#)

View Status Archiver Process

Archiver Watchdog

The cron job [tscron.watchdog](#) is use to monitor the status of the Archive Process running on the host lcls-dev. The cron job generates the log file [/tmp /watchdog.log](#). This log file provides status information for diagnostic purposes only. The cron job also read and write the files listed in Table 1-2 below.

To restart a cron job:

1. login directly to lcls-dev from the laci account
2. [crontab -r](#)
3. [cd /afs/slac/g/lcls/tools/ChannelArchiver/script](#)
4. [crontab < crontab.watchdog](#)

Table 1-4		
Directory: /home/tools/ChannelArchiver/dev /log		
Host Access: lcls-dev		
Filename	Description	Access
archEngine.log	Archive Engine Log	read-only
scannerConfig.txt	Archiver watchdog config info	read-only
logScanner.txt	Values for the overall health of the Archiver	read-write
connectStatus.txt	Archived PV connection information	read-write

System Administration

- Backups
- Log files