

# LCLS How-To Restore PLC Software from CVS

## LCLS How-To Recover PLC Software from CVS

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[ CVS Directory Tree	http://www.slac.stanford.edu/cgi-wrap/cvsweb??root=/afs/slac/g/lcls ]		
<b>Description</b>	*CVS Repository *	<b>Build Directory</b>	
EPICS IOC Applications	epics/ioc	/afs/slac/g/lcls/epics/iocTop	
EPICS Site	epics/site	[ /afs/slac/g/lcls/modules	LCLS EPICS Site Packages ]
EPICS Base	epics/base	/afs/slac/g/lcls/epics/base	
EPICS Extensions	epics/extensions	/afs/slac/g/lcls/epics/extensions	
EPISC IOC Boot	epics/ioc/iocBoot	/afs/slac/g/lcls/epics/ioc/iocBoot	
EDM Configuration Files	tools/edm/config	/afs/slac/g/lcls/tools/edm/config	
EDM Displays	tools/edm/display	/afs/slac/g/lcls/tools/edm/display	
EDM Scripts	tools/edm/scripts	/afs/slac/g/lcls/tools/edm/script	
Alarm Handler Configuration Files	tools/alh	/afs/slac/g/lcls/tools/alh/config	
Channel Watcher Configuration Files	tools/ChannelWatcher	/afs/slac/g/lcls/tools/ChannelWatcher/config	
PLC Applications	plc	built on windows. see subsystem controls engineer The reference directory is at [ /afs/slac/g/lcls/plc	http://www.slac.stanford.edu/cgi-wrap/cvsweb/plc/?cvsroot=LCLS ]

To recover PLC software from CVS, follow the instructions below:

From a pc, on the development subnet or visitor's network:

1. log onto your unix account on the host lcls-dev2, using an ssh client such as Putty or TeraTermPro
2. Create a work directory if you do not have one: **mkdir work**
3. Change to the top of your work directory: **cd work**
4. Set the environment variable for CVSROOT: **setenv CVSROOT /afs/slac/g/lcls/cvs**
5. Check out source from cvs: **cvs co plc/Magnet/<nodename>**
6. From your pc desktop, using the afs client, drag the ladder logic and/or touch panel display source from your work directory unix account to your desktop.
7. Release software from CVS: **~cvs release plc/Magnet/<nodename>~**
8. Clean up your work directory: **rm -fr plc**

**NOTE:** Under CVS convention, the name of the ladder logic file will contain dashes, which is not allowed by RSLogix5000. Remove the dashes from the file name before opening.