

# LCLS How-To Restore PLC Software from CVS

## LCLS How-To Recover PLC Software from CVS

[LCLS Directory Tree](#)  
[LCLS CVS Repository](#)  
[LCLS Code Management](#)  
[LCLS How-To Boot an EPICS IOC](#)  
[How-to Download PLC Ladder Logic](#)  
[LCLS How-To Release Software](#)

[ 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	
EPICS IOC Boot	epics/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/ah	/afs/slac/g/lcls/tools/ah/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 referne 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 now 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 frm 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.