CS-Studio setup for areaDetector

Wayne Lewis

Osprey DCS

2018-03-08

CS-Studio OPI Editor Perspective

Open Perspective menu

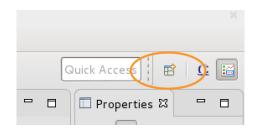
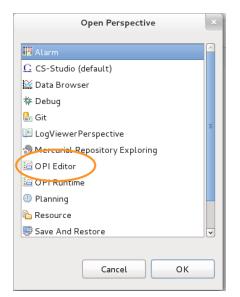


Figure 1:

CS-Studio OPI Editor Perspective

- Select OPI Editor
- OK



Getting BOY displays

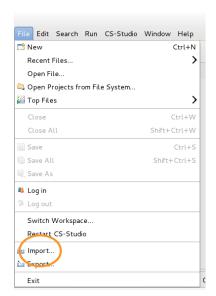
Get display repository. Clone location is arbitrary, but remember it.

https://github.com/waynelewis/201803_training_opi

- o cd ∼/build-epics
- mkdir git
- cd git
- git clone https://github.com/waynelewis/201803_training_opi.git

Import into CS-Studio

- Launch CS-Studio:
 - ► cd ~/cs-studio
 - ./cs-studio-with-pref
- Import new files:
 - ▶ File -> Import...



 General -> Existing Projects into Workspace -> Next>

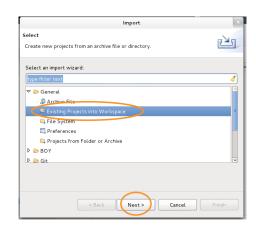


Figure 4:

• Select root directory: -> Browse

	Import	
mport Projects		
Select a directory to s	search for existing Eclipse projects.	
 Select root director 	ry:	✓ Browse
O Select <u>a</u> rchive file:		✓ Browse
<u>P</u> rojects:		
		<u>S</u> elect All
		<u>D</u> eselect All
Options		
☐ Search for nested	projects	
☐ <u>C</u> opy projects into	workspace	
☐ Hide projects that	already exist in the workspace	
Working sets		
☐ Add projec <u>t</u> to w	orking sets	Ne <u>w</u>
		♦ Select
Working sets:		

Figure 5:

- Navigate to 201803_training_opi directory cloned earlier
- OK

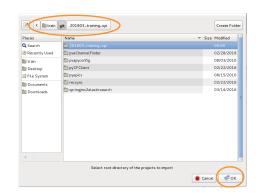


Figure 6:

- Check correct directory location in 'Select root directory'
- Select 201803_training under Projects: heading
- Finish

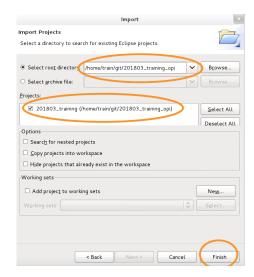
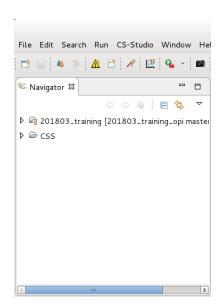


Figure 7:

Successful import



Open OPI display

- Navigator -> 201803_training
- Right-click -> Context menu
- Open With -> OPI Editor

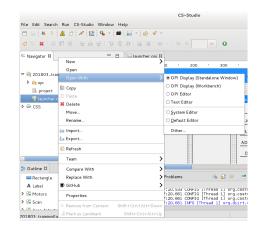


Figure 9:

Start OPI display

• Ctrl-G or Run OPI button

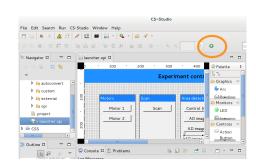


Figure 10:

Setting max array bytes in CS-Studio

Default CS-Studio max array bytes = 16384 - not enough for images.
To set CA Max Array Bytes

- Edit -> Preferences
- CS-Studio Core -> Data Sources
 -> Channel Access

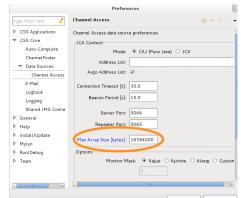


Figure 11: