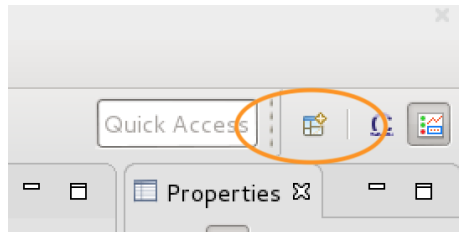# CS-Studio setup for areaDetector
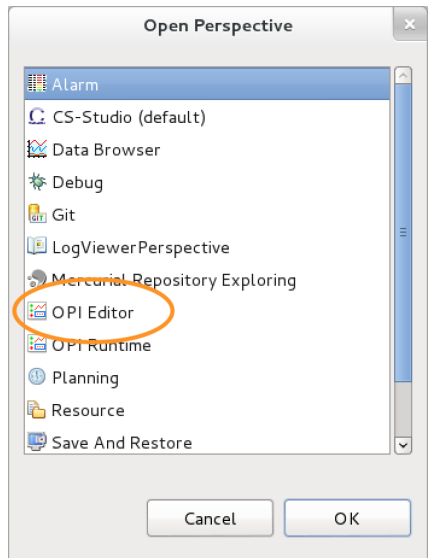
Wayne Lewis

Osprey DCS

2018-03-08

CS-Studio OPI Editor Perspective

- Open Perspective menu

CS-Studio OPI Editor Perspective

- Select OPI Editor
- OK

Getting BOY displays

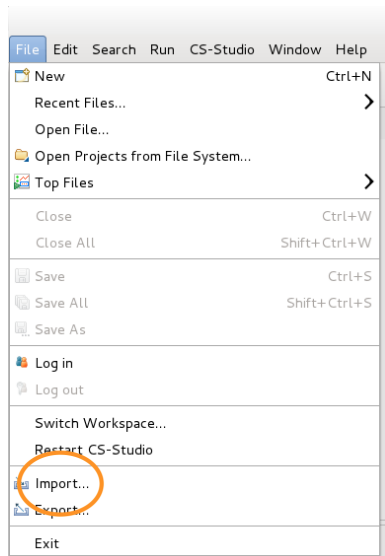Get display repository. Clone location is arbitrary, but remember it.

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

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

Import project into CS-Studio

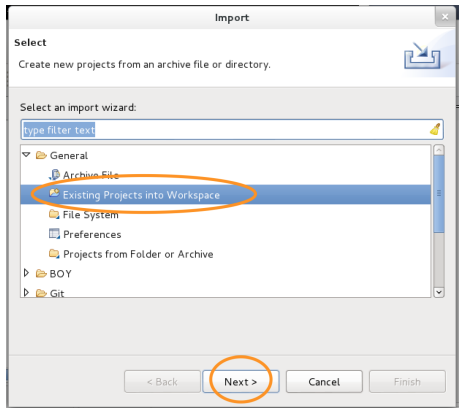Import into CS-Studio

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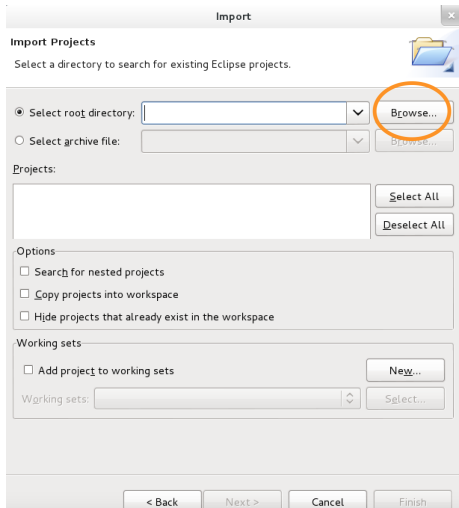- Import new files:
    - ▶ File -> Import...

Osprey DCS

Import project into CS-Studio

- General -> Existing Projects into Workspace -> Next>
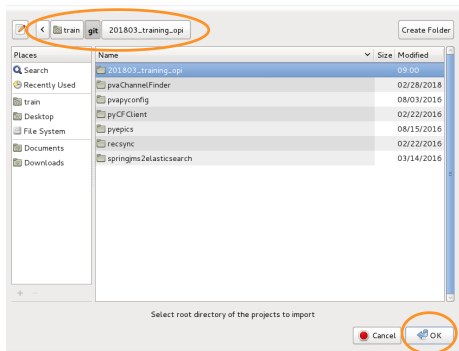
Osprey DCS

Import project into CS-Studio

- Select root directory: -> Browse

Osprey DCS

Import project into CS-Studio

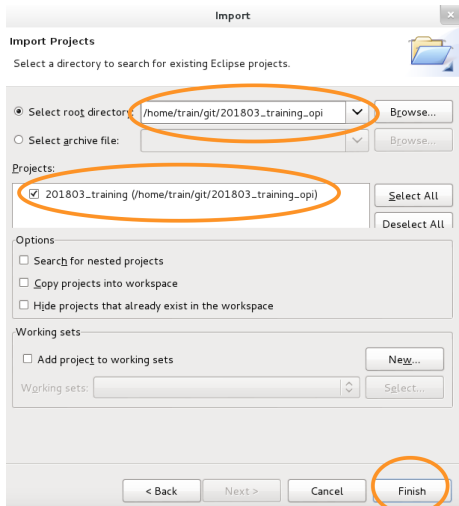- Navigate to
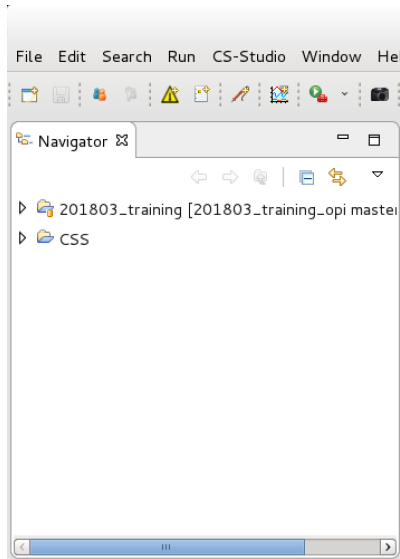 201803_training_opi directory
  cloned earlier
- OK

Import project into CS-Studio

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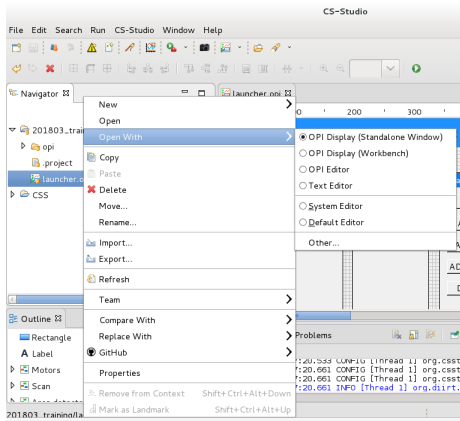- Select 201803_training under Projects: heading
- Finish

Osprey DCS

Import project into CS-Studio

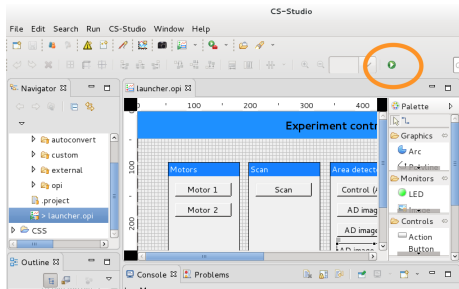- Successful import

Osprey DCS

Open OPI display

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

Osprey DCS

Start OPI display

- Ctrl-G or Run OPI button

Osprey DCS

Setting Max Array Bytes in CS-Studio

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

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

Osprey DCS