Control System Studio Training Overview

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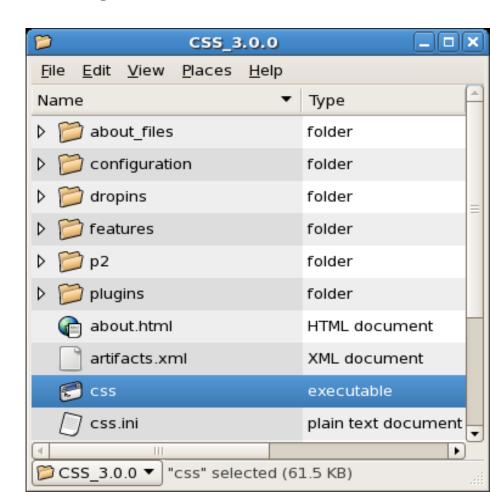
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Exercise: Start CSS

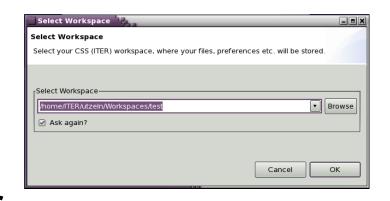
Precondition: You somehow got CSS onto your computer

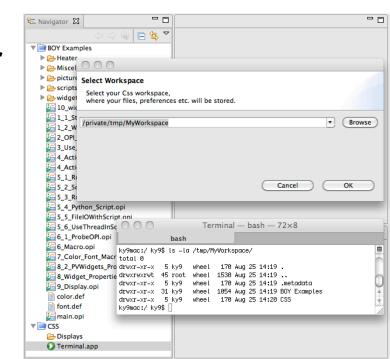
- Start the executable
 - Linux: css
 - Windows: css.exe
 - Mac OS X: css.app



Workspace

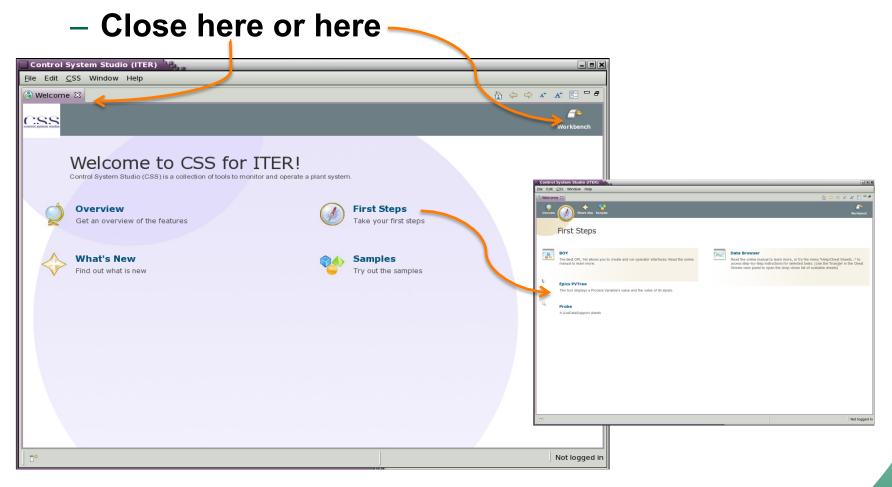
- Workspace
 - Directory where you store files
 - Hidden .metadata directory with settings
- Most versions of CSS prompt for a workspace at startup
 - Check or change later via menu File, Switch Workspace
- Run only one instance of CSS per workspace!
 - Each user should have own workspaces
 - One for development, one for operation, ...





"Welcome"

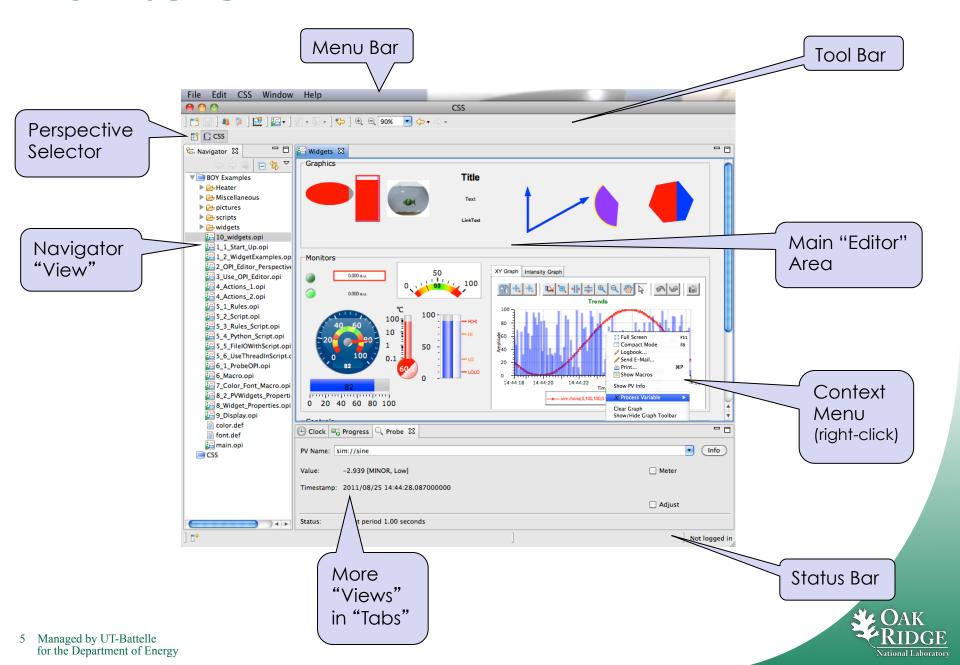
 Displayed when CSS opened for the first time (i.e. on a new workspace)



- Re-open: Menu Help, Welcome

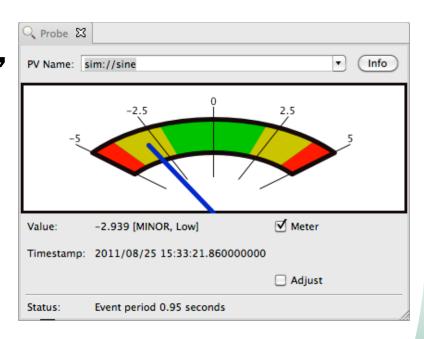


Workbench



Exercise: Probe

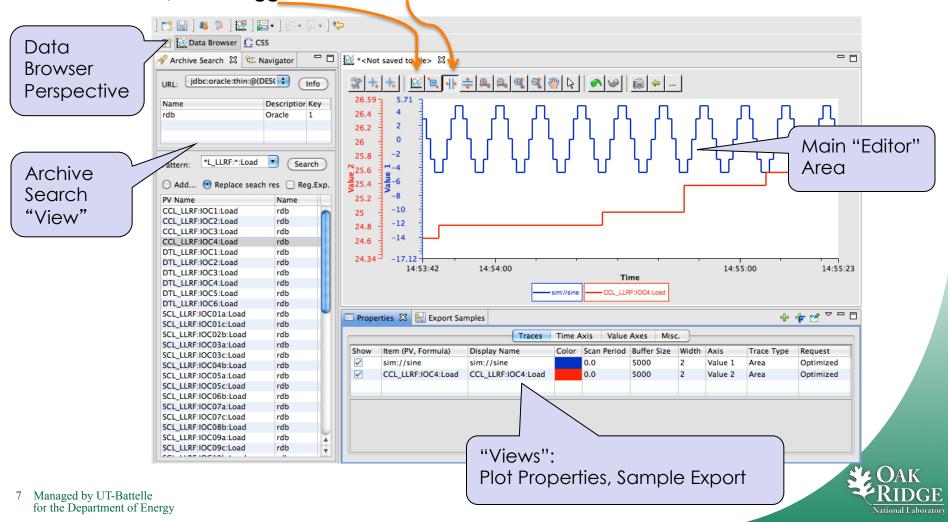
- Menu CSS, Diagnostic Tools, Probe
- Enter PV name "sim://sine"
- Close Probe
- Open it again
- Select previously entered PV from drop-down
- Move Probe to other view area
- Close Probe





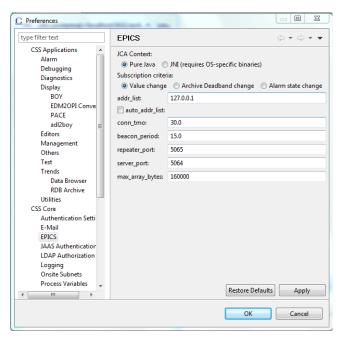
Exercise: Data Browser

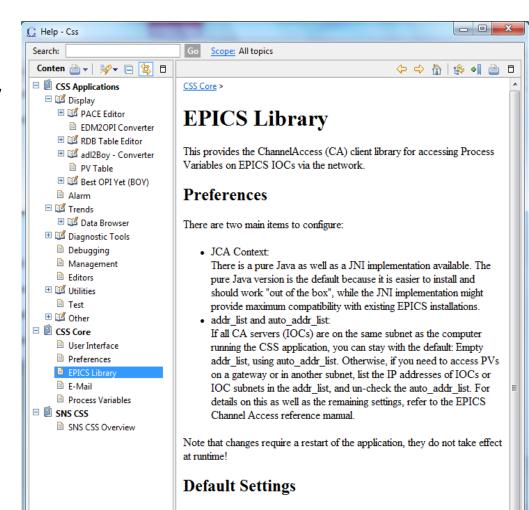
- Menu CSS, Trends, Data Browser
 - Note change to "Data Browser" Perspective, new plot
- Plot context menu, Add PV, "sim://sine"
- Wait a little, use Stagger and zoom buttons



Exercise: Preferences, Online Help

- Menu Edit, Preferences resp. Help, Help Content
- Locate preferences and help for
 - CSS Core, EPICS
 - CSS Applications,
 Trends, Data Browser





Editors, Views, Perspectives

Editors: Central Workbench Area

- Text editor, BOY Operator Interface panel,
 Data Browser plot, ...
 - Associated with a file. "Do you want to save?" when closed.

Views: Auxiliary panels around Editors

- Probe, Properties, Navigator, ...

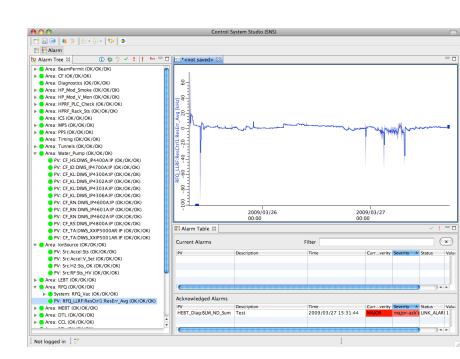
Perspective: Arrangement of Editors and Views

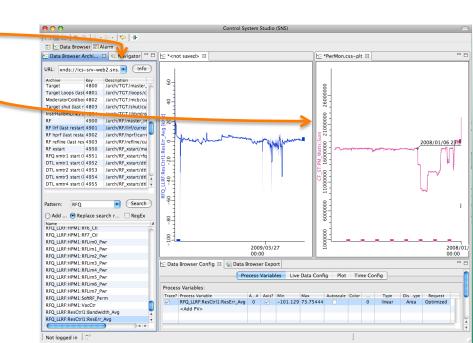
- Size of editor area. Actual editors remain.
- Choice of Views. Views change when switching perspectives.



Layout Options

- Editors, Views can be closed, reopened, repositioned
 - Grab title of panel, move while watching black rectangle indicate possible target locations
 - Arrange 'behind' or 'beside' other panels
- Multiple Perspectives
 - Use Context Menu of Perspective to Name, Save, Close, Restore





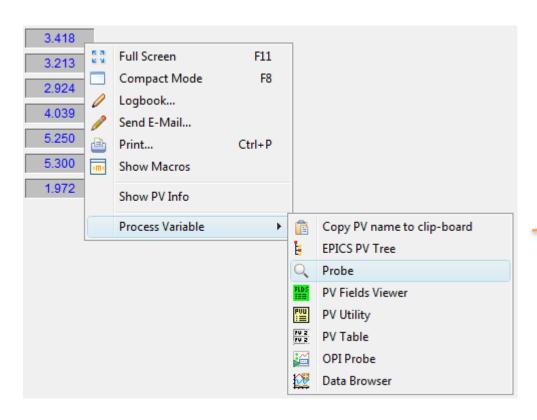
Editor/View Limitations

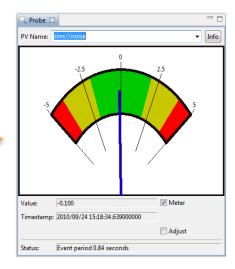
In the current release of CSS,

- Editors stay in the central editor area of the screen, surrounded by multiple View areas.
- Views cannot be in the editor area and vice versa.
- Views can be 'detached' as standalone windows, but Editors stay in the workbench window. Multiple workbench windows are OK, though.
- In "Eclipse 4" editors and views will be more similar.

CSS PV Exchange

- PV in any CSS Tool
 - → Context Menu → Select other PV Tools
 - Opens other tool with that PV







Exercise: Probe via PV Exchange

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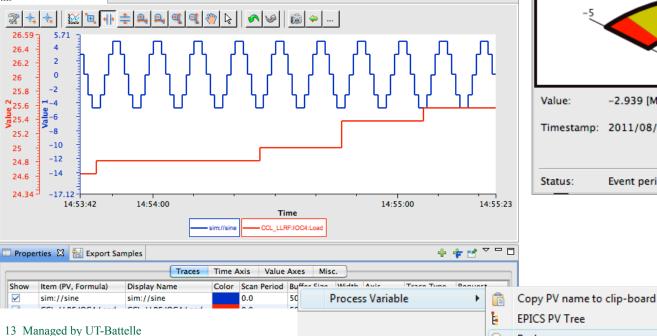
Probe

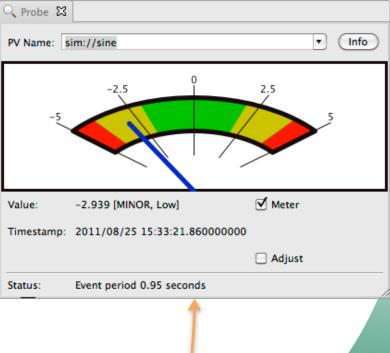
Open Probe on PV from Data Browser

Properties Panel

for the Department of Energy

Context menu of "sim://sine" trace

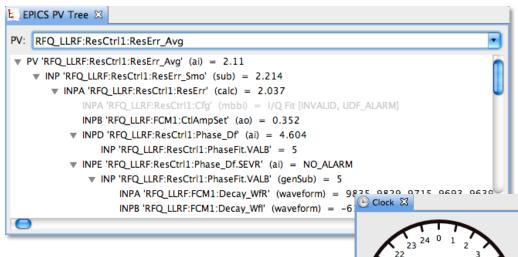




Exercise: Things to Try

EPICS PV Tree

Trace PV links



Clock

– What's special about it?

Therapist

When all else fails

