

QUICK START GUIDE FOR CLDS

(Cloud-Based Library & Dashboard Service)

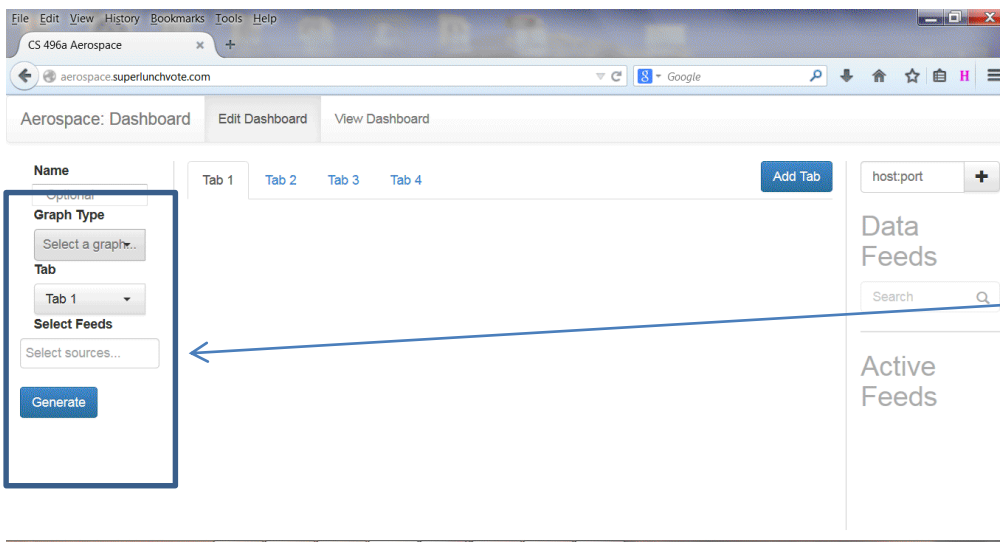
Welcome to CLDS

CLDS is a cloud-based library & dashboard service, utilizing the latest web technologies, to provide a human-machine interface (HMI) configurator. The library will allow users to configure their own displays with a set of control elements, tie the controls elements to various data sources, and provide the ability to save and load displays. The system will be separated into various modules, the client-side graphical user interface module, the RESTful services that provide the data sources, and the user profile and configuration module that provides users the ability to save, load, and share custom displays. The separate modules work independent of each other, but when combined, forms the complete system that provides the HMI configurator and dashboard service. CLDS is a web application used by Aerospace to monitor, analyze, and edit data being streamed from different seeds to the application. Users will be able to create graphs, set alerts, and create templates based on the data feeds.

How to Use CLDS

CLDS is a single page web application that gives users the ability to create different tabs to categorize their graphs. The main page is called the Dashboard. The left column contains all the features of creating, editing, and deleting various types of graphs. The middle column is where a selected tab is displayed. User can also add different tabs and change existing tabs' names. The right column is where a list of possible data feeds and active feeds is listed. Under Data Feeds, is a list of data feeds that can be used to be displayed on a graph. Active Feeds is what feeds are active on a selected graph. In this document, under Dashboard, more specific details on how to manage the data feeds per graph are listed. The header consists of Edit Dashboard, View Dashboard, Save Layout, Load Layout, and Login. Selecting edit dashboard allows you to edit tabs, modify graphs, and delete/add feeds. In view mode, users can only view the different tabs and created graphs. The save and load layout functions allow users to save specific layouts on different tabs in xml files, which can be loaded later on. Below is a more specific graphical instruction on how to use CLDS Dashboard.

Dashboard



Left Column:

Allows user to create graphs. User can give name, select graph type, choose tab that graph will appear on.

Generate

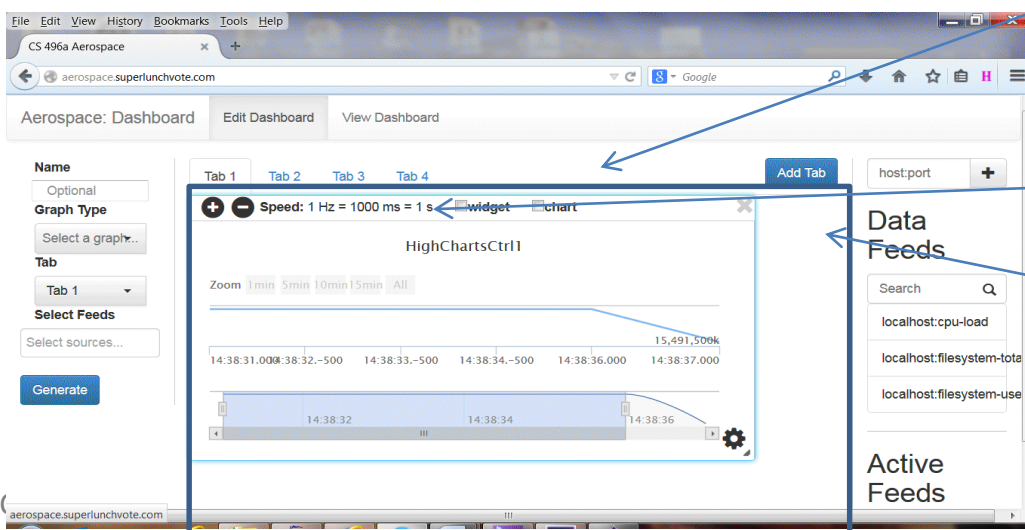
Push generate to create graph

Middle Column:

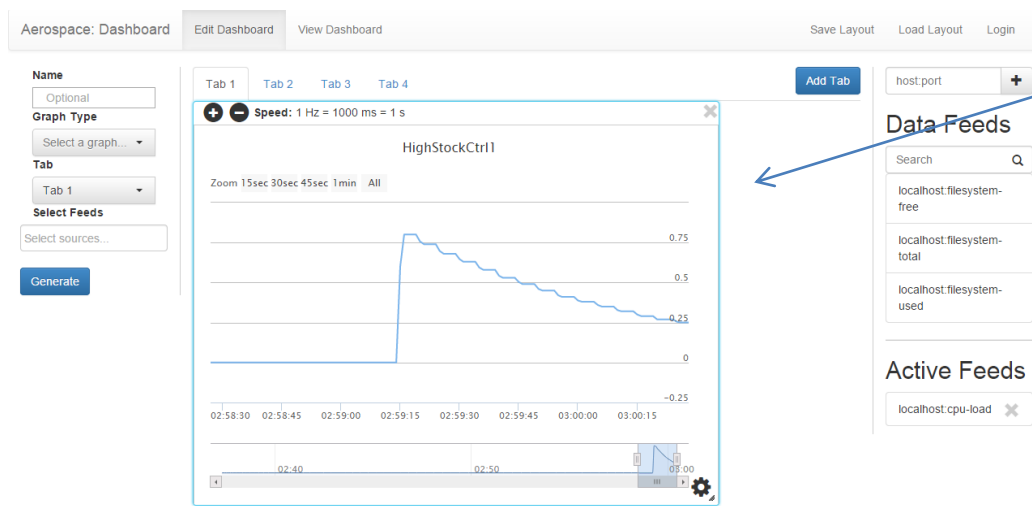
-Graphs generated will appear here. Change graph settings by selecting the graph and clicking the wheel in the right corner of the graph.

-Double click the tab to change tab name.

-Add different tabs by clicking "Add Tab".

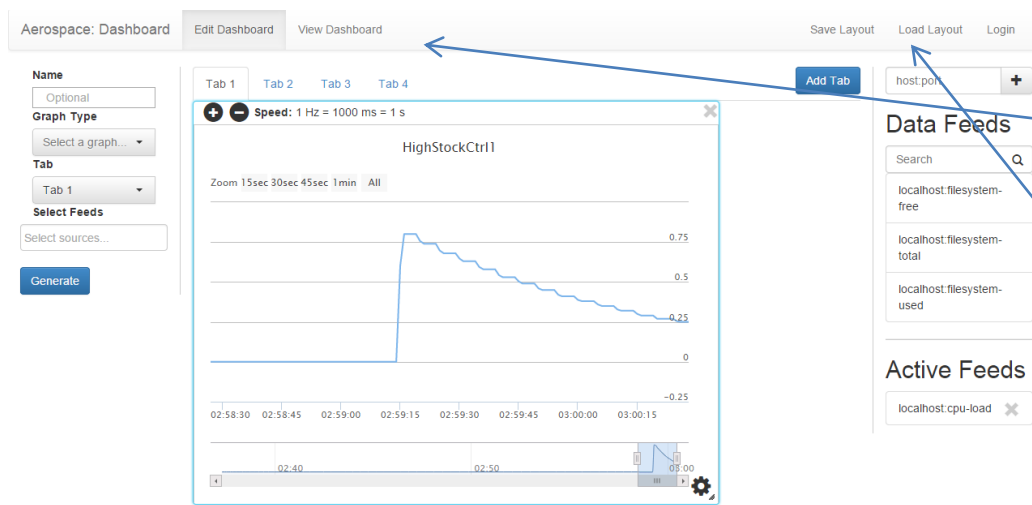


Dashboard



Right Column:

- Graph is selected, indicated by the outline and the gear appearing on the bottom right.
- Possible data feeds
- Drag any feed to the active feeds (only when graph is selected) to activate data feed. Currently, only graphing one data feed on graph.



Header:

- View Dashboard only shows Middle Column with no editing capabilities
- Save/Load Layout saves current graphs and tab features into an xml file that can be loaded at any time.