Apollo Common User Interface Controls

Progress Tree Control

# Disclaimer

This specification is only an initial specification. It is not completed and changes will be made over time.

# Goal

The goal is to create a progress control to hold several layers of progress controls. This control will be used in the Apollo User Interface to display the progress of the processing of data sets. Because data sets can have a parent-child relation it is necessary to have a progress control in which these relations become clear.

Features

* Allows selecting a Progress element or the entire tree (by selecting the top element)
* Only allows a single top-level node
* Shows:
  + A progressbar
  + Time estimate
  + Text indicating current action
  + Buttons to start / stop / pause the action which is being monitored
  + Expanding section with more details
* Must provide events for:
  + OnSelect: provides selected item
* Must allow data binding
* Must allow different colors for the progressbar depending on state (running, stopped, paused)
* Must allow higher level progress to depend on lower levels (??)
* Allow states:
  + Not running
  + Running
  + Paused
  + Waiting
  + Stopped
  + Error