

## Kepler - Bug #5362

### Create a GUI so user can easily archive a sensor's data from a dataturbine to a metacat

03/31/2011 02:39 PM - Jing Tao

<b>Status:</b>	New	<b>Start date:</b>	03/31/2011
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jing Tao	<b>% Done:</b>	0%
<b>Category:</b>	sensor-view	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	sensor-view-1.x.y	<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	5362		
<b>Description</b>			

#### History

##### #4 - 04/19/2011 03:49 PM - Daniel Crawl

Here's my idea for the UI. After discussing with Jing and Derik, it may be difficult to populate since it's not easy/efficient to search for the kar files.

##### #5 - 05/03/2011 01:11 PM - Jing Tao

Hi, matt:

Derik, Dan and I talked about the issue couple times. We've had to drop the idea of a new Sensor actor context menu for archiving, and a visual indicator on the Sensor actor that shows it's being archived.

Here are two options we've come up with:

Options 1. Add a menu item named "Sensor Archiving..." in the Tools menu. This action will bring up the GUI shown in the attachment (dan did it).

a. Filling this GUI involves these actions: search kar files in a remote data repository which archives the data from specified sensor; search existing schedules for the given kar file id in a scheduler server.

b. Clicking OK button will involve these actions:

) **If there is no existing kar file associated with the sensor, the action will edit the archiving workflow by passing sensor id, DT server address, and dataset destination parameters to it. Then the customized kar file is uploaded to a remote repository.**

) Save the changes of the schedule into a scheduler server

c. Clicking Cancel button will close the GUI

pros:

\*) easy for user, user doesn't have to really know anything about the archival WF

cons:

) **user doesn't know anything about archival WF :) -- conceptual disconnects: streaming data shown in site layout vs where the data actually comes from for archival (DataTurbine). Unclear when data being archived starts (beginning of time of channel in DT). Auto-scheduled workflow kars are generated but user doesn't know their names.**

) we're giving the archival WF special status and tying it to this specialized scheduler dialog (dialog needs certain wf params to exist). However a user might want to archive with their own workflow, in which case they must learn how to use the regular scheduler instead of this dialog.

\*) 2 interfaces to scheduler from within kepler could be confusing

Option 2 No new features. User must simply edit the archival workflow and schedule it. We could simply add a small annotation on site layouts "To archive this data, open sensor-view/archivalWorkflow.kar". The archive WF could in turn have a small annotation explaining how to configure and schedule it "Tools=>Scheduler".

pros:

) **no new work**

) avoids all cons of (1)

cons:

) **user must search use scheduler to check for pre-existing scheduled archival workflow themselves**

) less 'guided' - user must open WF and config it themselves. User may find it is not easy to find a sensor id.

##### #8 - 05/05/2011 05:04 PM - Matt Jones

Jing -- when creating dialogs, note that the Cancel button should be on the left, not on the right.

#9 - 05/05/2011 05:16 PM - Jing Tao

Matt:

here is what i found online: \*\*\*\*\*  
For Windows

Present the commit buttons in the following order:

- OK/[Do it]/Yes
- [Don't do it]/No
- Cancel
- Apply (if present)
- Help (if present)

So Cancel is always on the right of OK button.

For MacOS

A button that initiates an action is furthest to the right. The Cancel button is to the left of this button.

So for MacOS users Cancel is on the left of OK button.

For other systems see guidelines.

Since my mock-up was done on MacOS, you are right, the cancel should be on the left side. Thanks!

#10 - 05/05/2011 05:23 PM - Jing Tao

Move the "Cancel" button to the left side of the commit button.

#12 - 05/09/2012 05:44 PM - Derik Barseghian

Jing notes there are some problems with the original design that need to be fixed. This will likely not ship in first sensor-view release.

#13 - 05/30/2012 09:03 AM - Jing Tao

The menu for this action wasn't added to kepler, so we don't need to remove it.  
The code for this feature locates sensor-view/src/org/kepler/sensor/archiveWorkflowScheduler

- Here are more works we need to do:
1. Redesign the gui to show the existing schedules for sensors.
  2. Create a mechanism to figure out if there is a existed kar file for archiving a specific sensor in the remote repository.

#14 - 03/27/2013 02:30 PM - Redmine Admin

Original Bugzilla ID was 5362

Files

archivingMenu.png	112 KB	03/31/2011	Jing Tao
scheduler.png	141 KB	03/31/2011	Jing Tao
archivingMenu.png	112 KB	04/04/2011	Jing Tao
sensor-scheduler.tiff	26.8 KB	04/19/2011	Daniel Crawl
archivingMenuItemOnToolMenu.png	114 KB	05/05/2011	Jing Tao
sensorsInTable.png	30.9 KB	05/05/2011	Jing Tao
sensorsInTable.png	30.8 KB	05/06/2011	Jing Tao
sensorsInTable.png	76.4 KB	05/10/2011	Jing Tao