CWMS RiverWare Plugin
Release Notes

Center for Advanced Decision Support for Water and Environmental Systems (CADSWES)

Version 1.2 – Released March 27, 2017

The following features are included in version 1.2 of the CWMS RiverWare plugin adapter:

- Version 1.2 of the CWMS RiverWare plugin requires RiverWare 7.0.6 and CWMS 3.0.1.
- If the RiverWare run aborts, an abort message is displayed in the CAVI compute window and the forecast run stops.
- In the CAVI, RiverWare now has a Compute button on the Actions tab.
- The plugin logic for starting RiverWare has been improved. Previously, if RiverWare was slow to start, the plugin's attempt to connect with RiverWare would fail, and the plugin would shut down RiverWare. Now the plugin has a retry loop which enables it to wait for RiverWare to start before connecting to RiverWare.
- The RiverWare version is no longer tied to the plugin version, enabling RiverWare to be upgraded.
- Snapshot objects are now included in CWMS. Previously the plugin stopped adding simulation objects to CWMS when the first snapshot object was encountered. So not only were snapshot objects not included in CWMS, all simulation objects after the first snapshot object were not included either.
- Additional errors, including errors loading the model file, are now detected and reported to the user.
- The plot dialog button in CWMS opens the appropriate dialog in RiverWare.
- The plugin was improved to allow RiverWare to import data from multiple input models. This allows you to have multiple hydrologic models, perhaps representing subbasin.

Version 1.1 - Released September 19, 2016

The following features are included in version 1.1 of the CWMS RiverWare plugin adapter:

- Version 1.1 of the CWMS RiverWare plugin requires RiverWare 6.9.5 and CWMS 3.0.1.
- A bug in CWMS 3.0 prevented the right-click tool tips and context menus from being available in the CWMS map. With the release of CWMS version 3.0.1, this bug has been addressed. RiverWare icon tool tips and context menus in the CWMS map are now supported.
- RiverWare windows are now opened in front of the CAVI. Previously, they always opened behind the CAVI windows.
- Within the CAVI, the order of RiverWare objects now matches the order shown in the RiverWare workspace in the Object list. If you wish to change the order in the CAVI, change it in the RiverWare interface and save the model. When the model is reloaded into the CAVI, the new object order will be reflected.

Version 1.0 - Released June 1, 2016

The following features are included in version 1.0 of the CWMS RiverWare plugin adapter:

- The RiverWare plugin and RiverWare (v6.9) provide all capabilities required of a model in CWMS.

- Clicking on the RiverWare Icon in CWMS toolbar will open the RiverWare workspace.
- Users will import RiverWare model alternatives into a CWMS using the RiverWare import dialog which enables users to specify:
  - The model alternative name (with a suitable default)
  - The RiverWare model file with embedded policy (global function sets and rule sets).
  - The CWMS input and output DMI names (with suitable defaults).
  - Multiple SCTs, whose names indicate their purpose (e.g., “Release Overrides.sct” for altering the releases for a forecast run, “Flow Summary.sct” for viewing flows after a run has computed).
- All RiverWare simulation objects will be displayed in the CWMS user interface.
- RiverWare simulation objects will be displayed with their native RiverWare icons.
- RiverWare simulation objects will be displayed alphabetically in the CWMS treeview (first by object type, then by object name).
- RiverWare simulation objects which have been geospatially located in the RiverWare geospatial view will be geospatially located in the CWMS map.
- When a model alternative is selected, users will be able to perform the following actions (edits) via buttons in the CWMS interface:
  - Open an SCT (one button for each imported SCT).
  - Open a RPL set editor (one button for each non-empty embedded RPL set, e.g., the loaded rule set, global function set, etc.).
- When a model alternative is selected, users will be able to view the following reports via buttons in the CWMS interface:
  - Open an SCT (one button for each imported SCT).
  - Open a RiverWare native plot dialog configured to list all plots associated with the RiverWare model file; clicking on one of these plots will display it in the dialog.
- When a simulation object is selected, users will be able to perform the following actions (edits) via buttons in the CWMS interface:
  - Open the simulation object’s open object dialog.
- When a simulation object is selected, users will be able to view the following reports via buttons in the CWMS interface:
  - Open a RiverWare native plot dialog configured to list all plots associated with the RiverWare model file; clicking on one of these plots will display it in the dialog.
  - Open a RiverWare native plot dialog configured to display information about the selected simulation object (one button for each such plot).
- All the actions and reports discussed above are also available via drop down menus, which include either the model alternative actions and reports or the simulation object actions and reports, depending on the context of the user selection that activates the menu.