**CADSWES Maintenance Accomplishment Report Compilation -- September 2014**Edit: 10-7-2014 (Phil)

Report contributors:

* Substantive content from: Jessica and David.
* Bug fix items from: Patrick and Phil
* Indicated that they had no *maintenance* accomplishments to report this month: Mitch, Neil, Bill, and Tim.

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| (II) RiverWare Software Maintenance   1. Releases, Patches and Snapshots 2. Software Updates, Bug fixes (not associated with new development) 3. Development tool improvements; issue tracking software; modelcomp 4. Enhancements or changes to regression tests (not part of development tasks) 5. Download, Install and Release Processes 6. Updates to license software/procedures 7. Updates to download/install/configure user documentation 8. Modification to Web pages for downloads and installs |

**(II.A) Releases, Patches and Snapshots**

RiverWare 6.5.1 was released on September 22, 2014 with the following release notes.

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| **Bugs** The following bugs were fixed:   * 5527: A model load error occurred  for periodic slots with a long period. * 5528: Dialogs displayed incorrectly when Windows display scaling was set to a value other than 100%. * 5530: In the Script Manager, the Open Global Functions Set action was not working correctly. * 5531: For Distributed MRM, when the initial offset was non-zero, the incorrect data was used. * 5536: The RPL predefined function GetTableColumnVals was crashing when slot user units were set to acre-ft/month. * 5538: In the Script Dashboard, the override of DateTime slot values was not working.   **DMI Control Files** DMI Control Files now support quoting of values, typically to embed spaces in file paths. For example:        BigReservoir.Pool Elevation: file="C:\Data\BigReservoir.Pool Elevation" The DMI must be configured to allow spaces in file paths.  **Performance Improvement in RPL** Within RPL evaluation, a performance improvement was made when looking up slots on the workspace. Now the slot is cached and is referenced in future look ups. In one test model with many slot look ups, this improvement reduced run times by approximately 10%. |

**(II.B) Software Updates, Bug fixes (not associated with new development)**

**The following bugs were fixed:**

* Bug 5536: RPL predefined function: GetTableColumnVals CRASH with acre-ft/month units.
* Bug 5538: Script not accepting changing of day and month in table slot
* Bug 5539: Linear Seepage was not showing results when selected after a run was performed.
* Bug 5540: Object Account Summary dialog: incorrect number of time columns after switching the column mode.
* Bug 5542: Model Run Analysis dialog, the R flag was not displayed.
* Bug 5543: Reach method names were not updating when loading a 6.3 model directly into 6.5.
* Bug 5544: scripts Set Exec Initialization Rules Set action is overly restrictive

**(II.C) Development tool improvements; issue tracking software; modelcomp**

None reported in September 2014

**(II.D) Enhancements or changes to regression tests (not part of development tasks)**

The regression tests continue to be maintained on a daily basis. This involves updating the regression tests to exercise new developments in the code. Also, as new code is added to the development area, the model comparisons performed in the nightly regression tests usually show differences (for example, because a new method category may have been added). When this occurs, the regression tests need to be updated to reflect the current state of the development area so model comparisons do not fail. In addition, every week, the daily history of each regression test is analyzed to determine if the run time or model size has significantly changed because of new development.

**(II.E) Download, Install and Release Processes**

* Completed the set up and the configuration of the new IS2014 project files. Six project files were created for three different types of releases: snapshot release, pre-release release, and official release. Each release has two project files, one for 32-bit version and one for 64-bit version.
  + All new projects files are located in \\ALAMOSA\projects\riverware\IS\is2014-project\ folder.
  + Patch release 6.5.1 and 6.5.2 were released with the IS2014.
  + The initial changes have been applied to all project files. But the latest changes made to the release project files have not been applied to the snapshot and pre-release project files yet.
  + Updated the Colorado River image file with Jim Pasquotto’s new version to the dialogs displayed at the beginning and at the end of the installation.
  + Created a testing snapshot project file for generating a testing install file with the RLM 11.1 version incorporated (supplied by Neil).
* Updated (cleaned up and reorganized) the release folder directory structures. This is the folder that holds all the release files for InstallShield project files to create the install setup files.
* Updated the document that contains the instructions for generating a release. Cleaned up some of the old notes and updated with the new release files location.
* Looking into the issue of RiverWare model file association with a RiverWare executable (informed by David). The .mdl file type is set in the IS project file and it is registered in the registry during the installation. Testing the problem.

**(II.F) Updates to license software/procedures**

* Maintaining RiverWare licenses for internal development systems. This is an ongoing task.
* Upgraded RLM to version 11.1:
  + Almost completing the testing of version 11.1 with all different type of licenses. Verifying the new version works with RiverWare 6.6 and prior versions. After the new version is confirmed working without any issue, RLM release 11.1 will be checked into the version 6.6 development build and will start configuring and setting up the Active Pro.
* Updated email template files that are normally sent to the new users. Added recommendation for users to install all RiverWare releases into one root folder so they only need to maintain one license file.
* Working with Steve Setzer on his roaming license problem. The roaming license stopped working on their license server machine. Client machines can check out a roaming license, but not on the license server machine. Testing the problem.

**(II.G) Updates to download/install/configure user documentation**

None reported in September 2014

**(II.H) Modification to Web pages for downloads and installs**

None reported in September 2014

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