

## Known Issues and Additional Information for Revolution R Enterprise 6.2

### RevoScaleR

#### Distributed Computing:

##### Known Issues

- Distributed computing jobs submitted from an LSF client host use the user's client environment rather than the user's environment on the server hosts; conflicts may prevent the server hosts from completing the job. You may need to set up special accounts on your client host with environment settings that match those on the server hosts.
- The rxPredict function is not supported with non-Xdf data source input in a distributed context.
- When running in the RPE in the Debug solution configuration, instrumented expressions fail in 'foreach' when run under a distributed compute context with doRSR.

##### Additional Information

- Distributed computing functionality is not supported for 32-bit Windows HPC Server node installations of Revolution R Enterprise.
- In extremely long sessions with frequent distributed computing calls to Windows HPC Server (on the order of tens of thousands of calls), a memory leak may occur.
- On Windows XP systems, rxExec and rxGetJobResults may take a long time to return if autoCleanup=TRUE.
- Distributed computing jobs can appear to be inactive if a hidden authentication window is waiting for input by the user.

#### Data Manipulation

##### Known Issues

- The rxImport function does not always warn correctly when the type argument is misspecified.
- Using a transform to change a variable's data type is not supported when repeated calls to rxImport or rxTextToXdf are used to import and append rows, combining multiple input files into a single .xdf file.
- When importing data from the Hadoop Distributed File System, attempting to interrupt the computation may result in exiting Revolution R Enterprise.
- The rxLocateFile function is not supported when the fileSystem option is globally set to HDFS.

##### Additional Information

- If you use data sets with extremely large numbers of variables (e.g., over 40,000), you should set the max-ppsize flag when starting R in order to use functions such as rxGetVarInfo . For example, using R directly (i.e., rgui.exe or rterm.exe), set the max-ppsize=500000 when you type

R: R --max-ppsize=500000. On Windows with the RPE, set the max-ppsize flag in the call to the RevoIDE executable: RevoIDE.exe /RCommandLine --max-ppsize=500000.

## Analysis Functions

### Known Issues

- The rxDTree function does not currently support in-formula transformations; in particular, using the F() syntax for creating factors on the fly is not supported. However, numeric data will be automatically binned.
- The rxLogit function removes missings from all variables that are read from the data source before doing any transformations or computations.
- Ordered factors are treated the same as factors in all RevoScaleR analysis functions except rxDTree.

## Third-Party Package Interaction

### Known Issues

- If you would like to use RStudio with Revolution R Enterprise on Linux, we recommend server version 0.95.265 for use on both RHEL5 and RHEL6 systems.

## The R Productivity Environment

### Additional Information

- You cannot debug into code that has been loaded using the source() function within a script. However, if you load the code with the revoSource() function, the code will be instrumented for debugging and can be entered by the debugger.
- Installation on 32-bit Windows Server 2003 SP2 sometimes results in the warning: No template information found. To resolve the issue, run the following as an admin at the command prompt in the IDE32 directory of your installation: REvoIDE.exe /installvstemplates
- The first time you launch the help system, it may set itself to use online help before local help. If this occurs, you may not see the correct help for RPE dialogs. To be sure you have the correct help available, choose Options... from the Tool menu, then expand Environment, then expand Help, and click Online. Under "When loading help content," select "Try local first, then online."