

Virtual Wafer Fab

VWF

Release Notes

01/04/12

RELEASE NOTES

VERSION 2.8.10

NEW FEATURES

- Provide zoom feature for tree pane to easily navigate through large DOE trees. Sub trees can be folded/unfolded as needed.
- Provide disk statistics to allow recognizing a disk becoming full
- Allow sorting worksheet by several columns
- Allow moving directories in the explorer
- Allow exporting a filemode experiment into a zipped TAR (TGZ) file
- Exported experiments can now directly be opened from the zipped TAR (TGZ) file

ALTERATIONS AND ENHANCEMENTS

- Automatically restart wwf_daemon component when VWF default mode is used
- Diagnose failures when opening simulation result files
- Diagnose when a simulator exits with a non-zero exit status
- Speed up renaming of experiments
- Initial values of optimization experiments can now be changed from the parameter pane
- Remove use-abs setting from optimizer setup and use absolute values as simulation target
- Change XMODIFIERS environment setting to allow input of characters also after a text copy operation was initiated from the mouse
- Upgrade DRMAA support libraries for LSF to version 1.0.4

VERSION 2.8.9

NEW FEATURES

- Add a way to kill simulation job for a particular node by right-clicking node in tree

ALTERATIONS AND ENHANCEMENTS

- Change font for labels in graphics pane of optimizer for the EL5 platform
- Improve handling of experiments to stop unused background processes directly by the GUI upon start up
- Fix an inconsistency in the job statistics which occurred in rare cases where the jobs pane was selected for viewing right before the experiment was fully started
- To split on line statements in Athena, it is now mandatory to use set statements

VERSION 2.8.0

NEW FEATURES

- Implement interface to CVS version control system. An existing repository can be browsed, and files can be checked out when a baseline is first created.
- Implement an advanced security scheme which allows a fine-grained control mechanism. Users and groups can be defined. Access rights can be defined for every entity in the VWF system (directory, experiment).
- Implement a scripting interface, that uses JavaScript. It is possible to run experiments in text-mode (without the need for a GUI) as well as to define advanced DOE sampling strategies. An advanced orthogonal Latin Hypercube is shipped as an example.
- A loaded deck can be run without the need to define any splits allowing for test-running of a deck before the rest of the experiment is defined.

ALTERATIONS AND ENHANCEMENTS

- Selected folder views maintained between invocations of VWF

VERSION 2.6.24

NEW FEATURES

- Provide new SplitPlot worksheet to effectively select files to plot from several nodes. All selected files can then be sent to TonyPlot for visualization in one go. Filters can be defined to show only a sub-set of the available files.
- Provide a 'pin' feature, where colored pins can be defined in the GUI in various places such as the worksheet and tree views. Allows tagging of nodes of interest and to quickly spot them from different views.
- Provide a coloring scheme where all windows of an opened experiment are surrounded with a colored frame to distinguish opened windows from different experiments
- Allow overriding a part of the split tree with a different fragment. Override fragment can be edited like the main deck. This is useful when tuning simulator parameters for failing branches.

ALTERATIONS AND ENHANCEMENTS

- Extend queuing system to enable modifications to queue at runtime. Nodes can be added while experiment is running and will be immediately queued, when more CPUs are available.
- Selectively display node value of several nodes in tree pane. Selection includes 'all nodes', 'nodes of one sub-tree', or just the node where the mouse pointer points to.

VERSION 2.6.0

NEW FEATURES

- Add support for optimization. The following algorithms are supported:
 - Levenberg-Marquardt
 - Hooke-Jeeves
 - Simulated Annealing
 - Parallel Tempering
 - Genetic Algorithm
 - Differential Evolution
- Add support for a target language (for optimization) to perform operations on optimization targets in order to make them suitable for a given optimizer. This can enable use of curves as targets other than with the Levenberg-Marquardt optimizer. Language is made available via the DBINTERNAL simulator.
- Support for LSF queuing system. Offering choice of which grid computing sub-system to use.
- Add support for SmartSpice and QUEST
- Add support for SmartView

ALTERATIONS AND ENHANCEMENTS

- Improve support for curve type responses. Simple curve viewer allows direct viewing of curve results.
- Improve deck editor to define split parameters for SmartSpice
- Fix issues around experiments crashing in filemode