



WHAT'S NEW IN VERSION 4.01

- **Change back to Jobs/Job History Model** – Instance numbers have been removed and Job runs including statistics will be stored in the new Job History table.
- **Additional Job Statuses and Results** – Many new statuses have been added to more accurately describe the current state or result of a job or job run. Jobs that are in the queue now show as being pending, late, on hold, overrunning or waiting activation. Job runs now show results that include successful, failed, skipped, terminated, simulated and could not reschedule.
- **Improved Transaction History** – Audits now track the field that was changed and capture the new and old values of the data. Optionally, users can be required to enter the reason for changes made to the data. Auditing now tracks when programs and utilities are run as well.
- **User Defined Variables** – Users can now define custom variables that will be substituted at job runtime. The values of the variables can be updated from the client front ends or using the new GECSVARI utility.
- **Enhanced Job Statistics** – Derived cumulative job statistics are now included on the statistics tab of a job run. Job statistics such as the total number of runs, average runtime, average elapsed time increases and total number of failures are included.
- **Improved Authentication** – GECS authentication has been expanded to allow authentication to Active Directory using multiple methods.
- **New Job Archive Table** – Completed job history that has been automatically deleted in the past based on user defined settings is now moved into the new GECS archive table. GECS job views can be configured to include not only current job history but archive history as well.
- **CPU Utilization Dependency** – Jobs can be configured to only release if the CPU's utilization or load is below a user defined threshold.

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- **Improved Event Flow** – Events can be put into a new status of ‘assigned’ and a GECS user can be selected to work on the event. The event comments are now editable and may be added to while the event is in process.
- **Windows Event Dependency** – The creation of Windows Events can now be used as a trigger to release a GECS job.
- **Improved Icon View** – The icon view of jobs more accurately displays multiple batch runs. The submitted time is now used as the key to tie batch runs together.
- **Mac OS X Support** – A native Mac OS X Agent has been added.
- **Improved Batch Rescheduling** – In the past, when jobs that were members of a batch executed, they would be rescheduled individually. There has been a logic change in this version and the batch is rescheduled in its entirety when the entire batch is complete. The submitted date of each rescheduled job in the batch will be the same which allows the accurate grouping of batch runs.
- **Wildcard Support in Job Views** – Job views now support SQL wildcards.
- **Scripted Install** – The installation of GECS can now be scripted which allows for silent installs.
- **Faster Job Launching** – Improvements have been made to the speed at which jobs are launched by the GECS Controller.
- **GECS Computer Shutdown** – A new utility (GECSDOWN) has been added to shutdown or restart a computer running Windows.