

## WHAT'S NEW IN VERSION 4.20

- **User-Defined Folders** – GECS information can now be organized in user-defined folders in both the Windows and browser-based front ends.
- **Improved Backend Performance via Stored Procedures** – The GECS System Manager, Controller and Web Manager programs now utilize SQL Server stored procedures for most database operations.
- **64-Bit Agent Install** – The Windows installation now prompts for whether to install the 32 or 64-bit Agent.
- **64-Bit Job Types for Windows** – Jobs can now be directed at either 32 or 64-bit Agents.
- **Administrator Start and Stop Events** – Events 601 and 602 are now generated to indicate that the Administrator program was started or stopped.
- **New Job Status** – A new job status 'Couldn't Start' has been added for jobs that could not start due to a launch error. These jobs were marked as failed in the past.
- **Ascending/Descending Sort for Views** – A secondary sort has been added to job, event and audit views that allow views to be sorted in ascending or descending order.
- **Administrator State Stored in Table** – Administrator 'state' information is now stored on a per user basis in a new table instead of the Registry.

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- **New 'Assigned to User' Event** – Event 603 is now generated when an event has been assigned to a user.
- **Agent Pause/Resume Events** – Events 206 and 207 are now generated when an Agent is paused or resumed from a client program.
- **User Profile Change** – Users access to GECS user-defined variables can now be configured via the Security Profile feature.
- **New Web Manager Login/Logout** – A login/logout mechanism has been added to the GECS browser-based client.
- **Conversion from v4.10** – A new command line conversion utility has been added to convert data from GECS v4.10.
- **New GECS Help Format** – GECS Help has been converted and rewritten to a new format that supports 64-bit Windows.