

# CHANGES IN GECS 4.50 PACKAGES

GECS version 4.50 started shipping August 19<sup>th</sup>, 2013.

You can find the date of the last GECS package installed by looking in the file named PKGDATE.TXT located in your GECS program directory.

**The following lists major changes to this package. Back end code optimization and/or documentation changes are not always listed.**

## Known Issues

After upgrading operating systems or running Windows updates, we have had reports where jobs are failing and job commands are no longer working. Customers are getting OS error 5 (Error 5 (Access is denied. ) creating unique batch file) trying to run GECS command line utility jobs or batch files. This is due to new Windows security restrictions. Customers need to manually turn off "User Access Controls".

To address these restrictions, the Build 833 and higher packages of GECS v4.50 now provide for a special "Data Folder" field configured using the Programs page of the GECS Workstation Setup program. The GECS System Manager, Controller and Agents can use this folder to store temporary runtime data for logging, batch files, capture output, and more. This alternate, temporary Data Folder location specified must have Read/Write access made available to the GECS system components.

The GECS SNMP gettraps utility (used for testing incoming trap messages), is for 32 bit only. You can use other compatible trap programs to test traps for 64 bit.

## Changes in System Build: 4.50.1081 Administrator Build: 4.50.069

Changes were made to the way GECS reschedules batch jobs when a completed batch job is rerun with an On Hold status.

## Changes in System Build: 4.50.1064 Administrator Build: 4.50.069

When using an Oracle database, Job Notes are no longer being removed after the execution of batch jobs.

You can now close and reopen the Windows Administrator client program to reset the size of the lists displayed on the right side of the screen.

## Changes in System Build: 4.50.1041 Administrator Build: 4.50.065

When you backup and restore, folders are now restored correctly.

A change was made to the GECSNEWL command line utility to allow it to retain other Workstation Setup settings.

The GECSPURG command line utility was modified to also trim records in the gescmdtype table.

When an agent is configured to "require login credentials", GESC jobs will no longer execute without a defined credential.

Internal changes were made to the way GECS handles errors, communications, jobs and threads.

## **Changes in System Build: 4.50.1006 Administrator Build: 4.50.065**

Dashes are now valid characters in GECS user names and credentials.

Audit information generated from GECS command line utilities has been modified.

Changes were made to the way GECS sends emails when many users are to be notified.

WRK files now error when line feed or carriage returns are omitted from the text.

The manual creation of a GECS event using a GECS client program is now audited.

## **Changes in System Build: 4.50.961 Administrator Build: 4.50.062**

A new command line utility GECSLOGS allows you to stop or start logging without restarting the GECS component services.

GECS agent services will now start when GECS installation names include a dot.

Changes were made to the GECS System Manager program to resolve deadlock errors. For unexplained reasons, SQL Server will periodically generate transaction deadlock errors (error 1205) when no transactions are being performed. Microsoft recommends that the application simply retry the operation when this occurs. GECS generated errors (error 201 and 2627) and failed to properly retry the operation when this occurred. There were also errors in the error messages that were generated indicating the wrong table name involved in the error. The deadlock errors typically occurred when jobs were being processed on completion and the job was erroneously marked as failed with a return code of 255. GECS now properly retries the operation and correctly processes the job when it receives these deadlock errors.

## **Changes in System Build: 4.50.898 Administrator Build: 4.50.060**

GECS better handles lengthy SQL commands.

## **Changes in System Build: 4.50.879 Administrator Build: 4.50.060**

A change was made to the GECSC400 conversion utility. GECS now converts v4.00 event numbers larger than 10 digits into a 9 digit number by removing the second digit.

## **Changes in System Build: 4.50.864 Administrator Build: 4.50.057**

GECS now allows GECS User names to include a dot (.) as a valid character in the user name fields.

An enhancement was added to the GECSREST restore command line utility to allow for a new -OVER data override parameter.

## **Changes in System Build: 4.50.861 Administrator Build: 4.50.056**

The GECS Administrator program was modified to allow a user to successfully export Batch Detail list information into a CSV or XML file by right clicking on the Batch Detail list column header and selecting the export option.

An enhancement was made to the way the Jobs lists "Search" field works. Search now filters using the "Title" column as well as the "Job" name column.

A change was made to the way the System Manager program releases jobs while loading wrk files.

### **Changes in System Build: 4.50.856 Administrator Build: 4.50.055**

The GECS Administrator program was modified to allow a user to successfully export list information into a CSV or XML file by right clicking on a list column header and selecting the export option.

A change was made to the GECSBREM command line utility program. It can now be used to successfully un-schedule Batches.

### **Changes in System Build: 4.50.854 Administrator Build: 4.50.054**

Changes were made to the system manager program to correct a problem where SQL server handles were left open during the trimming of job output. Symptoms of this issue can include the system manager not marking jobs complete.

The GECSBATI command line utility has been modified to correct an error when specifying a new batch name to use when importing the file to the same environment it was exported from.

A change was made to the way GECS generates database errors alerts via event 304. GECS no longer tries to send email when a database connection is lost.

GECS now creates a .BAD file when trying to read in a WRK file that has an invalid D: for the date option. i.e. @DATE is not a valid date to use in WRK files.

When converting data from version 4.22, the new security profile field for 'Workstation setup' is now enabled for converted ADMIN users.

AS/400 (OS/400) agents can now include a dash in the agent name.

### **Changes in System Build: 4.50.839 Administrator Build: 4.50.054**

A change was made to the GECS installation program to allow the install user to be different than the database creator.

### **Changes in System Build: 4.50.833 Administrator Build: 4.50.052**

Changes were made to allow the scripted installation to work for agent only installations.

The bulk update feature for bulk updating jobs was modified to update the date and the time fields separately.

A new "Data Folder" field was added to the Workstation Setup program to allow users to define the directory where external runtime files are written such as batch files, output, the GECSERROR.LOG and other temporary files. This change was made to address new Windows security restrictions. This new data folder must have read/write access made available to the GECS components.

The GECS Online Manual (gecsman.pdf) was modified to better describe the steps to upgrade from 32 bit 2GECS v3.60 to 64 bit v4.50.

### **Changes in System Build: 4.50.812 Administrator Build: 4.50.046**

The PRECMD.TXT and POSTCMD.TXT have been modified where they can now be unlimited in size.

Enhancements were made to the web client program.

## **Changes in System Build: 4.50.793 Administrator Build: 4.50.044**

GECS Components no longer need to be restarted after updating a GECS License number when using the GECSNEWL command line utility.

There is a new GECSSTAT command line utility to allow users to update the status of a job to PENDING or ONHOLD. It is run as GECSSTAT batch.jobnum PENDING or GECSSTAT batch.jobnum ONHOLD.

Changes were made to allow for more customized rescheduling. SchdRetryTimes and SchdRetryDays registry entries can now be set in the Sysmgr section to allow GECS to reschedule jobs SchdRetryTimes(defaults to 5000 times) and progress atleast SchdRetryDays(defaults to 31 days) before giving up on rescheduling.

When using a machine with a dual network interface card, GECS can now run components as services using predefined IP interface registry settings to allow them to listen on a specific interface. It works like the -i command line argument. 0.0.0.0 (the default) indicates that any interface should be used. 1.2.3.4 would indicate that the IP interface (network interface card) that has the IP number of 1.2.3.4 should be used.

The Web Client has been updated to allow for bulk update operations in many of the modules.

## **Changes in System Build: 4.50.599 Administrator Build: 4.50.040**

This was the first shipping package. See the GECS on line manual for details on this version.