

# CHANGES IN GECS 4.00 PACKAGES

GECS version 4.00 started shipping December 13<sup>th</sup>, 2007.

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.**

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## **Known Issues**

**Currently there are no known issues.**

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## **Changes in January 12th, 2010 Package**

This package requires that you upgrade all of your GECS components, including remote agents.

TCP/IP has been reworked. When connections are established with agents, they now remain open. This allows TCP/IP to deal with all non critical errors to ensure data delivery.

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## **Changes in September 9th, 2009 Package**

Emails no longer display NO OUTPUT when there is no output for a job.

XCOPY and FIND jobs can now be run using the NT CONSOLE command line type to capture their output.

Fixed issues when logging on as a specified user where the environment would become corrupted after running a single job.

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## **Changes in August 4<sup>th</sup>, 2009 Package**

All fields (including NOTES and OUTPUT) are now copied when imported a scheduled job into a batch.

A copied job also gets it's NOTES and OUTPUT copied.

Can now filter events by a date range.

Users on Vista can now use the log in as a submitting user feature correctly. Log in as a submitting user

now also establishes the user's environment correctly.

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### **Changes in July 28<sup>th</sup>, 2009 Package**

Fixed a bug dealing with sending large amounts of email at once (ex 200 jobs going late) the System Manager would open up many concurrent SQL connections and will hang or GPF.

GECSPURG.EXE now purges associated job output.

The Windows GECS Agent now correctly sets Environment variables.

Corrected an issue dealing with the Controller leaving open SQL connections on certain jobs.

Removed signature check from the Licensing code. This was causing problems for certain customers.

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### **Changes in June 24<sup>th</sup>, 2009 Package**

Corrected an issue with the Window Agent that sometimes added a single space to keystuffing.

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### **Changes in March 18<sup>th</sup>, 2009 Package**

Fixed a bug dealing with the GECSCONV utility. Keystroke fields 3 & 4 now get converted correctly.

Under certain situations the Controller can be caught retrying for long periods of time in a communication failure. GECS will now act smarter during communication issues.

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### **Changes in March 4<sup>th</sup>, 2009 Package**

For SQL Server Installations the DATETIME format is now specified for each new connection. This allows the server to use a different default DATETIME format and GECS will still run.

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### **Changes in February 13<sup>th</sup>, 2009 Package**

Changes applied to the installer to allow Global ECS to work with case sensitive database collations.

A bug was fixed to the system manager regarding job level trimming. Dealt with incorrect jobs being trimmed.

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### **Changes in January 21<sup>st</sup>, 2009 Package**

The AIX agent now captures all return codes when using the login as submitting user feature.

Job level trimming now trims based on interval in the pending job information.

Event 57 is no longer generated when a job under runs the estimated minutes set.

Calendars and Schedules repeating every day after the last business day will now reschedule properly.

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## **Changes in January 7<sup>th</sup>, 2009 Package**

Fixed a bug with scheduling that causes conflicts when scheduling on business days using businessdays as your time interval increment.

New Event 92 which gets created immediately when a user ignores a job.

Advanced Predecessor now works with a weekly job depending on a daily job and vice versa.

New utility to change DSN user name/password for use with GECS.

%COMMENT and %JOBNOTES% substitution now works for Job Complete event.

%USER1% - %USER5% now available for Event 50 Job Late.

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## **Changes in December 5<sup>th</sup>, 2008 Package**

GECS Web Manager security has been reworked fixing many bugs and also many of the buttons do not display when a user does not have rights to perform that action.

Errors on duplicates no longer appear when using the 'set calender days' option in the GECS Administrator.

GECS Administrator job views now support certain SQL wildcards. For example, when looking for the phrase ' MIKE' in the Batch 'DRMIKE' a filter can be applied on jobs searching for %MIKE%.

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## **Changes in October 29<sup>th</sup>, 2008 Package**

Corrected an issue with the GECS Controller (GECSPROC.EXE) that would cause an unlimited number of SQL Connections (SPID's) to be opened and never closed when using batch dependencies.

A fix was made to deal with valid times that used the 'reschedule' method. Now all jobs using this method should reschedule appropriately.

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## **Changes in September 24<sup>th</sup>, 2008 Package**

New utility GECSISQL.EXE now shipping with V4.00. Allows execution of SQL queries against your GECS Installation.

New %WHYNOT% variable added to Event Definitions. This variable can be used in the e-mail message portion of a job related Event Definition. The variable will list reasons why the job cannot run.

Fixed a bug caused by using multiple vacations with the same class name incorrectly scheduling jobs during invalid times.

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## **Changes in September 11<sup>th</sup>, 2008 Package**

Users with restricted security profile access to certain GECS Administrator modules no longer cause the GECS Administrator to GPF.

The 'variablenum' column no longer applies to batch variables. This column is now only used to sort batch variables in the Administrator program. This corrects an issue regarding unsorted/non-sequential batch variables not being substituted upon submission.

When submitting a batch using the GECSBATS utility, the job detail's mail tab is now populated with the name of the GECS User who submitted the batch.

The GECS Administrator now properly closes its database connection after submitting a batch.

A fix was made to the GECSCONV utility. Now all job dependency fields are converted correctly.

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## **Changes in August 11<sup>th</sup>, 2008 Package**

Added utility GECSFMOD.EXE which checks to see in which way a certain file can be opened.

An optional parameter for TIME was added to GECSBATS.EXE.

The date parameters now work properly when using GECSBATS.EXE.

When running as a service, the GECS WEB MGR will no longer quit upon a log out.

Increased the buffer size for emails being sent with large job output.

The 'Update Value' option for Batch Variables within GECS Admin is now working as intended when the option is checked.

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## **Changes in June 25<sup>th</sup>, 2008 Package**

The Controller (GECSPROC.EXE) now pauses correctly.

Fixed a bug dealing with Trigger File Dependencies. The 'Exclusive' Execute Trigger File Dependency now works as originally intended.

Various fixes performed on the Controller (GECSPROC.EXE) to improve overall GECS component stability.

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## **Changes in June 12<sup>th</sup>, 2008 Package**

Linux output now is displayed correctly within the GECS Administrator.

Added new substitution variables @MAILSERV, @MAILUSER and @MAILPASS.

GECSBATS.EXE will now submit batches that use @TIME for their Beginning on Time.

GECSBATS.EXE is now comes installed using the Client Only setup.

Corrected several issues with the GECS Batch Manager program that caused batches using substitution variables spaced apart from other substitution variables on the command line to crash the GECS Administrator upon Batch Submit or Batch Removal.

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## **Changes in May 19<sup>th</sup>, 2008 Package**

When using substitution variables in a batch detail, upon submit of that batch if two @ symbols were spaced a number of characters apart from each other the GECS batch manager had a chance of crashing.

Added an additional parameter to the job view queries in the GECS Administrator program preventing future deadlock errors.

You can now delete batch variables from the WEB MGR.

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## **Changes in May 13<sup>th</sup>, 2008 Package**

The Controller will now launch jobs in the correct Date/Time order starting from oldest pending job when the priorities between the jobs are the same.

When experiencing communication issues GECS will now increment timeout settings when attempting a communication retry.

When installing GECS under ORACLE and defining a SCHEMA, GECS will now use the defined SCHEMA to install the tables.

User WRK file paths are now being respected.

Directories are no longer valid files when using wildcards in a job's trigger file field.

GECSMAIL.EXE now has the ability to send file attachments.

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## **Changes in April 11<sup>th</sup>, 2008 Package**

MPE/iX agents now support the capture standard output option.

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## **Changes in March 14<sup>th</sup>, 2008 Package**

The System Manager (GECSDBMS.EXE) now successfully purges Events.

Event Details are now viewable via the Web Manager (GECSWEBS.EXE)

Additional modification was done to GECSCONV to prevent it from terminating under certain conditions.

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### **Changes in March 5<sup>th</sup>, 2008 Package**

GECSCONV will now insert and display new lines correctly in Job Notes. The Job Output code for GECSCONV has also been updated and minor cleanup has been performed.

When importing WRK files with a Job Name (30:) and no Job Num (7:), GECS would not import the WRK file if there was more than one name dependency (20:-21:, etc). This is now fixed.

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### **Changes in February 8<sup>th</sup>, 2008 Package**

The GECS Administrator now uses SQL VIEWS in order to display Job Views. The SQL VIEW is created upon Install/Upgrade of the GECS System Components. This eliminates deadlocking when using Administrator.

Job Notes and Output are now being converted and stored properly in both SQL and ORACLE.

The SYS MGR now allows WRK files with a leap year date/time.

The 'Generate Event on Failure' textbox located on the Actions tab of a job using the GECS Administrator will now allow a non-zero number.

Agents can now be set to process group jobs.

Event 67 & 68 now generates upon Activation of a job.

The Dashboard titlebar now displays some GECS specific information.

Workstation setup will now keep your custom registry settings when running workstation setup.

You can now use SSL when running the WEBMGR as a service.

GECSREG now adds registry entries as REG\_SZ not REG\_EXPAND\_SZ.

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### **Changes in January 14<sup>th</sup>, 2008 Package**

Corrected an issue with the compiler that caused the SYS MGR (GECSDBMS.EXE) to leak memory.

The Studio Module no longer experiences duplicate constraint errors when saving a worksheet.

You can now delete multiple Event Definitions.

GECSPING.EXE now outputs errors to the console rather than a Message Box.

The Dashboard now correctly saves all window positions.

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## **Changes in December 20<sup>th</sup>, 2007 Package**

Fixed an issue with the SYS MGR that caused it to slowly use more memory over time.

Corrected an issue with the OS/400 Agent returning a NULL pointer error.

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## **Changes in December 13<sup>th</sup>, 2007 Package**

First re no changes to report.