SAS® Drug Development
Process Manager Utility 2.6.1
Release Notes

The SAS® Drug Development (SDD) Process Manager Utility is available for SDD, version 3.5_07. New functionality has been updated in the User's Guide, however the specific areas changed are noted below.

Reference #	Title	Description
DE5029	JECM 2.6 has version number listed as 2.5	JECM 2.6 had version 2.5 listed in the version.txt file on the server and also on the help->about dialog. For this 2.6.1 release, the version.txt file has been updated with the correct version number, but the UI has not.
DE3255	JECM can erroneously pull non-SAS log files into memory	There is a script that changes the directory into the SAS work directory to retrieve the log file for a process. In JECM 2.5, if the change directory failed, the script found any file that ended with .log in its current location. The current location happens to be the home directory for the sastrust user. The script now exits once the change directory fails and does not return any log file.
DE3253	JECM is pulling entire SAS log file into memory even though it will only use the first X lines	In JECM 2.5, when the JECM finds the SAS log file for a given process, it pulls the entire log file into memory. Then it only examines the first X lines of the log file, where X is a number specified by the client as the LinesToSearch tag in the sddRules.xml file. At best, this was inefficient. At worst, a huge log file could result in out of memory errors in SDD. The code was changed to only pull the first X lines in memory.
DE3275	JECM needs to access most recent log file	Since there may be log files from more than one run of a process in the SAS work directory, the JECM needs to access the most recent log file for retrieving tags from the header.

Interim releases of the SDD Process Manager Utility are cumulative, so if this is the first time you are installing it, the release also contains the fixes shown below.

Reference #	Title	Description
US5600	Loss of user id information over time in the Process Manager (PM) and Job Execution Control Editor (JECM).	Over time, the user id column in both the PM and JECM was losing data. This data loss was a result of the tail processes that

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		were tailing the logs on the server losing contact with the log files as the logs were rolled. The fix for this issue was to do filtered logging directly into the shared area rather than using the tail process to do the filtering.
US5597	Add the managed server name to the process list in the JECM.	A new variable was added to the process list in the JECM that displays the managed server name for each process and allows it to be used as a string variable in JECM processing.
PM8	Add the managed server name to the process list in the Process Manager.	A new column was added to the process list in the Process Manager that now displays the managed server name for each process.
US5338	Missing user ids that resulted from concurrent writes to the log file.	The fix for this issue resulted in changes to both scripts and code. In previous versions of the Process Manager, log files from the SAS servers were aggregated into one log file, web.log, located in the shared area. In cases of a heavy load, write conflicts occurred when multiple tail processes were attempting to write to web.log. Version 2.2 of the Process Manager attempted to fix this problem by locking web.log during writes, but the lock mechanism failed on Solaris. In version 2.3, concurrent writes have been completely eliminated. There are now multiple log files in the shared area, one for each of the SAS servers. The process manager searches each of these files for process data rather than the single web.log file.
PM6	Variables CPU time and elapsed time should be integers.	The command line client, the Job Editor Control Manager (JECM), was originally documented with CPU time and elapsed time as integers so that they can be used in rules and triggers. Although they were documented as integers, they were implemented as strings. This fix converted them to integers so that all functionality of the JECM is available. For more details, see the User Reference documentation.