SAS® Life Science Analytics Framework SAS Macro API 2.2
Release Notes
October, 2019

The SAS® Life Science Analytics Framework Macro API 2.2 is available for use with SAS® Life Science Analytics Framework Java API 2.2.

This release offers macros supporting the clinical functionality available in Life Science Analytics Framework 5.1 as well as additional macros to support other functional areas.

The table below summarizes to the enhancements for this release. For a detailed list of added and modified macros, see the SAS® Life Science Analytics Framework Macros 2.2 changes spreadsheet.

Functional Area	Description
StandardService	New service with macros to retrieve and export global standards.
DictionaryService	New service with macros to retrieve and export global controlled terminology dictionaries.
ExternalDictionaryService	New service with macros to retrieve and export global external dictionaries.
StudyService	New service with macros supporting the management and exporting of study context metadata.
JobService	Issues addressed: • lsaf_updateworkspacejob: Fixed call to allow documentation value to be set (DE12417) and removed extraneous log messages from validation of input data sets (DE12415) • Handled exception in SAS log when path has a .job extension but is not an LSAF Job file. (DE12387) • Added validation for required numeric variable includeSubfolders as input when submitting jobs in the workspace and repository. Prior behavior resulted in error messages to the log. (DE12451)

Functional Area	Description
ProcessDefinitionService	Macros added: • lsaf_activateprocessdefinition • lsaf_deployprocessdefinition • lsaf_suspendprocessdefinition • lsaf_getprocessdefinitionstatus • lsaf_getallprocessdefinitions Macros updated: • lsaf_getprocessdefinitionsbytype: added variables comment and status to the output data set.
ProcessFlowService	Macros added: • lsaf_activateprocessflow • lsaf_suspendprocessflow
RecycleBinService	Macros added: • lsaf_deleterbitemsbyquery Macros updated: • lsaf_getrecyclebinitems: option added to include subfolders for the given search location. Issues addressed: • lsaf_getrecyclebinitems: Handled exception in the SAS log when attempting to get items the user does not have access to. Unbalanced quote in the error message was causing SAS to abort operations (DE12318). Changed limitReached macro variable to be global to allow it to be accessible outside of the macro (DE12332).
RepositoryService	Macros added: • lsaf_getitemid • lsaf_gettoplevelcontext • lsaf_search Issues addressed: • lsaf_updatefile: Handled exception in SAS log when attempting to update a checked-out file (DE12324) and corrected validation of versionType to exclude "custom" (DE12352) • lsaf_getCheckedOutFiles: Changed limitReached macro variable to be global to allow it to be accessible outside of the macro (DE12332).
TypeService	Macros added: • lsaf_getsearchabletypes to support lsaf_search. Macros updated: A listType variable was added to the output data set for the following macros: • lsaf_getcontextallowablechildren • lsaf_getcontexttypes