

SAS® Life Science Analytics Framework SAS Macro API 2.4
Release Notes
December 2020

The SAS® Life Science Analytics Framework Macro API 2.4 is available for use with SAS® Life Science Analytics Framework Java API 2.4.

The table below summarizes the enhancements for this release. For a detailed list of added and modified macros, see the SAS® Life Science Analytics Framework Macros 2.4 Changes spreadsheet.

Functional Area	Description
General	<ul style="list-style-type: none"> • Work was done to remove redundant validation of parameters pertaining to creating and updating files written to the SAS® Life Science Analytics Framework by the macros. This affected all macros that create or update files in the repository and may cause changes in default behavior when optional parameters are omitted. • Documentation concerning the allowable date formats has been updated to accurately reflect SAS format DATETIME20.
AclService	Updated macro: <ul style="list-style-type: none"> • <code>lsaf_getacls</code>: Updated recursion strategy to allow any valid integer between 0 and 99, inclusively.
BatchRepository Service	Updated macros: <ul style="list-style-type: none"> • <code>lsaf_uploadandexpand</code>: Added handling of custom version.
JobService	Updated macros: <ul style="list-style-type: none"> • <code>lsaf_createworkspacejob</code> <ul style="list-style-type: none"> ○ Renamed data set input parameters ○ Added optional parameter <code>useRelativePaths</code>. ○ Updated to accommodate changes to data sets used as input parameters. • <code>lsaf_getjobinfo</code> and <code>lsaf_getworkspacejobinfo</code>: Renamed properties in resulting data set: <ul style="list-style-type: none"> ○ <code>logPath</code> => <code>logsLocation</code> ○ <code>lstPath</code> => <code>resultsLocation</code> ○ <code>manifestPath</code> => <code>manifestLocation</code> • <code>lsaf_updateworkspacejob</code>: <ul style="list-style-type: none"> ○ Renamed data set input parameters. ○ Updated to accommodate changes to data sets used as input parameters. Renamed macros: <ul style="list-style-type: none"> • <code>lsaf_getjoboutputs</code> => <code>lsaf_getjobcheckinlocations</code> • <code>lsaf_getjobinputs</code> => <code>lsaf_getjobsetup</code> • <code>lsaf_getworkspacejobinputs</code> => <code>lsaf_getworkspacejobsetup</code> • <code>lsaf_getworkspacejoboutputs</code> => <code>lsaf_getworkspacejobcheckinlocs</code>

Functional Area	Description
JobManifest Service	<p>New service to retrieve information from a repository job manifest file.</p> <p>Macros moved from JobSubmissionService:</p> <ul style="list-style-type: none"> • lsaf_getjobmanifestinfo <ul style="list-style-type: none"> ○ Renamed values in resulting data set: manifestPath => manifestLocation ○ Removed values from resulting data set: logPath & lstPath. • lsaf_getjobmanifestinputs. Added external inputs. • lsaf_getjobmanifestmetrics • lsaf_getjobmanifestoutputs. Added external outputs. • lsaf_getjobmanifestparameters • lsaf_getjobmanifestprograms <p>Added macros:</p> <ul style="list-style-type: none"> • lsaf_getjobmanifestloglocs • lsaf_getjobmanifestresultlocs
JobSubmission Service	<p>Updated macros:</p> <ul style="list-style-type: none"> • lsaf_getjobpublishhistory: Added variables to resulting data set variables: jobId & jobOwner • lsaf_getsubmissionstatus: Documentation update to report new status values. <p>Added macro:</p> <ul style="list-style-type: none"> • lsaf_getjobsubmissionbysessionid
ProcessFlow Service	<p>Added macro:</p> <ul style="list-style-type: none"> • lsaf_copyprocessflow
ProcessFlowSetup Service	<p>Updated macro:</p> <ul style="list-style-type: none"> • lsaf_getpfsetupsignallocs: Variable signalName added to resulting data set.
ProcessFlowTask Service	<p>Added macro:</p> <ul style="list-style-type: none"> • lsaf_getpfcompleteddetails
QueryService	<p>Return code -200 was introduced to indicate that the validation of the input data set failed.</p> <p>Updated to handle new -200 return code.</p> <ul style="list-style-type: none"> • lsaf_queryauditdetails • lsaf_queryauditentries <p>Updated to accommodate new query types</p> <ul style="list-style-type: none"> • lsaf_getquerycolumns <p>Added macros:</p> <ul style="list-style-type: none"> • lsaf_queryContainer • lsaf_queryContextMembership • lsaf_queryDistContextMembership • lsaf_queryFile • lsaf_queryFileVersion • lsaf_queryItem • lsaf_queryRecycleBinContainer

Functional Area	Description
	<ul style="list-style-type: none"> • lsaf_queryRecycleBinFile • lsaf_queryRecycleBinFileVersion • lsaf_queryRecycleBinItem
RepositoryService	<p>Updated macros:</p> <ul style="list-style-type: none"> • lsaf_getchildren <ul style="list-style-type: none"> ○ Updated recursion strategy to allow any valid integer between 0 and 99, inclusively. ○ Added variables to resulting data set: fileSize and formattedFileSize. ○ Suppressed folder size. • lsaf_getproperties: Added values to returned data set. <ul style="list-style-type: none"> ○ For files: MD5 digest, major & minor version limits ○ For containers: major & minor default version limits <p>Added macros:</p> <ul style="list-style-type: none"> • lsaf_getsyncinfo • lsaf_updateversionlimits
SessionService	<p>Deprecated for removal in future release:</p> <ul style="list-style-type: none"> • lsaf_getmysessions • lsaf_getsessions • lsaf_getusersessions <p>Added macro:</p> <ul style="list-style-type: none"> • lsaf_getsessionsbyquery
StudyService	<p>Added macros:</p> <ul style="list-style-type: none"> • lsaf_importstudycodelists • lsaf_importstudydetails • lsaf_importstudydocs • lsaf_importstudyfromdefinexml • lsaf_importstudytables • lsaf_importstudytlfs • lsaf_importstudyvln
UserService	<p>Updated macro:</p> <ul style="list-style-type: none"> • lsaf_getuserproperties: Added single sign-on id to values in returned data set.
WorkspaceService	<p>Updated macro:</p> <ul style="list-style-type: none"> • lsaf_getworkspacechildren <ul style="list-style-type: none"> ○ Updated recursion strategy to allow any valid integer between 0 and 99, inclusively. ○ Added variables to resulting data set: fileSize and formattedFileSize. ○ Suppressed folder size.