

SAS® Life Science Analytics Framework API 2.1
Release Notes
April 15, 2019

The SAS® Life Science Analytics Framework API 2.1 is available for use with SAS® Life Science Analytics Framework 5.1.x.

This release offers the equivalent functionality as the previous release, but the 2.1 release provides additional methods and enhancements. Some services have been redesigned for simplicity and efficiency. Changes were also made to reflect updates in SAS® Life Science Analytics Framework 5.1.x. Below is a highlight of the API changes. For a detailed list of changes, see the SAS® Life Science Analytics Framework API 2.1 changes spreadsheet.

Change	Description
Packaging	The new package name for the API services is com.sas.lsaf instead of com.sas.hls in the prior release.
Simplified login	This release introduces the LsafClient class, which provides a static logon and static access to services such as the RepositoryService.
Contexts and capabilities	<p>A context is a container type within the repository that is not a folder. Contexts in the prior release were organization, project, and analysis. These services and classes have been removed. Contexts are now managed by the RepositoryService. Contexts are assigned capabilities, as determined by the customer, and deployed as part of the type system. A capability describes the features or functionality that are available to a context. Here are examples of capabilities:</p> <ul style="list-style-type: none"> • Top • Membership • Workflow • Study <p>Note: the TypeService now has the methods getContextTypes() and getTopLevelTypes(). From these context types, you can get the capabilities.</p>
Job Metrics	From a manifest file that is created by a job submission, you can access metrics that include how many files were synchronized, the size of the files, and the time required to synchronize those files. In addition, you get the number of input files that were referenced by the SAS programs in the job. For each program, execution time is also provided.
RoleService consolidation	The role services, RoleDefinitionService and RoleAssignmentService, have been consolidated and simplified into a single service – RoleService. A

Change	Description
	single Role object now contains the privileges and members that make up a role.
ProcessFlowService redesign	<p>The ProcessFlowService has been separated into four separate services for better organization and to allow for future enhancements:</p> <ul style="list-style-type: none"> • ProcessFlowService • ProcessFlowSetupService • TaskService • ProcessDefinitionService <p>Note: the ElementDefinition and similarly named classes have been renamed to ElementSetup and are managed in the ProcessFlowSetupService.</p>
Search	The previous SearchService has been removed. The search method is now available from the RepositoryService.
PrivilegeService	The PrivilegeService has been renamed to ScopedPrivilegeService to reflect the privileges that can be managed at the level of a context. Global privileges are managed by the GlobalPrivilegeService.