

**SAS® Life Science Analytics Framework API 1.8.1
Release Notes
May 5, 2017**

The SAS® Life Science Analytics Framework (LSAF) API release 1.8.1 is available for use with LSAF Version 4.7.1 and above.

The table below contains defects fixed in release LSAF API 1.8.1:

Reference #	Title	Description
DE7676	JobService: createJobInWorkspace methods require parent path to start with /SAS.	The createJobInWorkspace methods would fail with a ResourceNotFoundException if the parent path did not start with /SAS. This restriction has been removed.
DE7623	BatchResourceService: uploadAndExpand will return an error if the zip file provided contains a path with an ampersand (&).	If uploadAndExpand is called with a zip file containing a path that has an ampersand (&), the files will upload to the system, but the ActionStatus returned indicates an error retrieving action status. As of API release 1.8.1, the ActionStatus returned indicates a successful upload.

The table below describes changes to the LSAF API in release 1.8:

Reference #	Title	Description
US9119	Change current user password	The method, changePassword, has been added to the UserService to allow changing the current user's password.
US9120	Check for privilege at context	The method, hasPrivilegeAtContext, has been added to the RoleAssignmentService to check if a principal has a privilege at a context.
US9122, US9156, US9158, US9183-5, US9189, US9186-7 US9190	ProcessFlowService	The new ProcessFlowService provides methods to manage process flows. With this service, a user can: <ul style="list-style-type: none"> • Get a list of process flows • Create, update and delete process flows • Retrieve and update process flow element definitions (task setup) • Get current (active) elements of a process flow • Get completed elements of a process flow • Create process flow manifests
US9121	Support encrypted passwords	The method, encryptPassword, has been added to the UserService to support encrypting unencrypted passwords. The encrypted password can be used to log into the system through the API only.

Reference #	Title	Description
US9282	User license type	AccountInfo, available on the User object, now surfaces license type information.
US9270	External authentication	<p>The following methods have been added to the UserService to support external authentication:</p> <ul style="list-style-type: none"> • getAuthenticationProviderInfos • setExternalAuthenticationByUserId • setDefaultAuthenticationByUserId <p>Note the AccountInfo setAuthenticator and setAuthenticatorUsername methods have been deprecated as this information must be set by the new service methods above.</p>
US9272	Run and populate job	The method, submitJobInWorkspaceAndPopulate, has been added to the JobExecutionService to support running a job and updating the input and output specifications based on inputs and outputs accessed during job execution.
US9287	Manage copy to workspace behavior	The methods, getSyncable and setSyncable, are now available on repository items. This value allows users to control copy behavior from the repository to the workspace.
US9283	Get checked out files	Query methods for retrieving a list of checked out files is now available on the RepositoryResourceService. It allows querying by userId, name, and location.
US9288, US9332, US9325, US9372, US9374, US9411 US9409, US9373	SasSessionService	<p>The new SasSessionService provides methods for managing SAS Sessions. With this service, a user can:</p> <ul style="list-style-type: none"> • Get a list of SAS sessions • End and delete SAS sessions • Get log and listing of a SAS session • Save log and listing to current user's workspace • Get job submission information (including job status) for a SAS Session
US9326	Recycle bin querying	The RecycleBinService now contains methods for querying recycle bin items. Recycle bin items can now be queried by name, path, date, and deletedBy.
US9375	Job manifest support	<p>The JobExecutionService now provides a way to access job manifests by path or by job submission. The following methods have been added:</p> <ul style="list-style-type: none"> • getManifestByRespositoryPath • getManifestByJobSubmission • getJobSubmissionsByJobPath • getLatestJobSubmissionByJobPath
US9371	SearchService	The new SeachService provides a way to query repository items. Repository items can be queried by location, name, object type, owner, modified date,

Reference #	Title	Description
		modified by, created date, created by, and sync status. File content searches are also supported.
US9418	Get absolute path	The RelativePathUtility now provides the method, getAbsolutePath, to get the absolute path based on a base path and a relative path.
	GroupService isMember	The GroupService method, isMember, now has a new parameter which allows to specify whether to check for explicit or implicit membership. Note the old isMember method has been deprecated.
	ParameterValue equals method change	The equals method on ParameterValue has been changed from checking name and value to check only name.

The table below contains defects fixed in release LSAF API 1.8:

Reference #	Title	Description
DE4166	RepositoryResourceService: Enable and disable versioning comment not shown in audit trail	The comment parameter provided in the enableVersioningOnFile and disableVersioningOnFile methods was not showing up in the audit trail for the corresponding action. It is now correctly displayed in the audit trail in API release 1.8.
DE7446	RepositoryResourceService: undoCheckout fails if undo checkout on file owned by another user	If the undoCheckout method was called on a file owned by another user, the call would fail with a RepositoryResourceUndoCheckoutException saying it could not undo the checkout. As of API release 1.8, you can successfully undo checkout a file owned by another user.
DE7452	WorkspaceResourceService: create file and upload and expand fail at workspace root	Calling the WorkspaceResourceService createFile method with file path in root (ex: /file.txt) will result in an IllegalArgumentException. Similarly, calling the BatchWorkspaceResourceService uploadAndExpand method with folder path root (/) will fail with an action status reflecting a zip error. Both of these issues have been fixed and you can successfully create a file and upload and expand files in workspace root in API release 1.8.

The table below contains known limitations in release LSAF API 1.8:

Reference #	Title	Description
DE7418	SasSessionService: Cannot open log or lst for session whose owner has an invalid account	If a user tries to access the log or listing for a SAS session whose owner does not have an active user account (the owner account is inactive or locked or the password is expired), you get a message saying the user is not authorized to view the file for that session. This is a limitation in LSAF version 4.7.1 and will be addressed in a future release.
DE7174	RoleAssignmentService: hasPrivilegeAtContext	If you add or remove a subgroup that has a privilege assigned by a role, when you call hasPrivilegeAtContext for that subgroup, the incorrect value

Reference #	Title	Description
	method for a subgroup is returning the incorrect value temporarily because of a caching problem	will be returned temporarily. It will return the correct value once the cache is correctly updated which is typically 20 minutes.