

**SAS® Life Science Analytics Framework API 2.2.1**  
**Release Notes**  
**November 2019**

The SAS® Life Science Analytics Framework API 2.2.1 is available for use with SAS® Life Science Analytics Framework 5.2.x.

This release is primarily a compatibility release to support the latest version of SAS® Life Science Analytics Framework 5.2. A summary of the updates are listed below.

<b>Update</b>	<b>Description</b>
Compabilityity	API server changes were made to be combatible with the latest release of SAS® Life Science Analytics Framework 5.2.
Privileges	With SAS® Life Science Analytics Framework 5.2, global privilege PRIVILEGE_VIEW_ADMINISTRATIVE_DASHBOARD_TILES has been added and has been added in this API release. The scoped privilege PRIVILEGE_MANAGE_VERSIONING was also added and takes the place of the now deprecated PRIVILEGE_DISABLE_VERSIONING. PRIVILEGE_DISABLE_VERSIONING will be removed in the next API release.
Analysis Results Metadata	The Analysis Results Metadata concept in SAS® Life Science Analytics Framework 5.1.x has been replaced with the TLF (Tables, Listings, and Figures) concept. The export method on the StudyService for analysis results metadata is now deprecated, and the new TLF export method should be used in its place. The deprecated export method will be removed in the next API release.
File Digest	The RepositoryFile and RepositoryFileVersionInfo objects now have a getDigest() method that returns a String digest value. It uses the message digest algorithm, MD5. When uploading and downloading a file, users can compare this value to the MD5 digest value generated on the file system to verify they are the same file.