

## STK Data Federate (SDF) is a scalable, open, and secure Content Management System (CMS) built to meet the growing needs of the aerospace and defense communities.

### Centralized data solution for STK Enterprise users

- Dynamic data, which STK relies on for its high fidelity calculations, is consolidated into one powerful repository, which benefits all STK users when a single update is made.
- Provides a common location for STK users to save, load, and share their scenarios.
- Automate and integrate with a well-documented REST API.

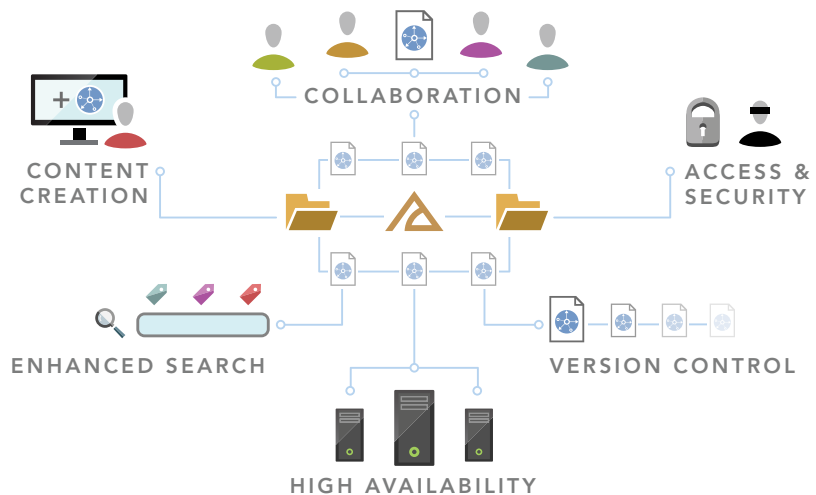
### Built with modern technology

- Built on top of Alfresco
- Apache Tomcat/PostgreSQL application database server
- Apache Solr search platform
- AGI's Identity Platform integration, which was built using Keycloak

### Easy to use, industry standard web interface

The unified Web interface provides the following CMS features:

- **Security.** Easily create users and groups, and manage permissions and access for sites.
- **Content creation.** Content can be easily uploaded and downloaded using drag and drop.
- **Content organization.** Tag and categorize similar or related content, making it easy to find the content again. You can also manage folders and files to design a structure that works for you.
- **Enhanced Search.** Search is based on filename and additional metadata, such as tags and properties, and on ASCII content within a file.
- **Sharing and Collaboration.** Share in a read-only mode with users that don't have an account on the SDF.



- **Version Control.** Keep track of every change made and maintain different versions for comparing changes between them.
- **Scalable.** Support additional users and content by scaling hardware resources accordingly.

### Native support for STK

- Set preview images for AGI's VDF format.
- Native support for Cesium content viewing (CZML), allowing you to preview CZML content inline via the Cesium Viewer.
- Out-of-the-box integration with STK.

### Hosted SDF offering

The SDF, which is a service hosted on Amazon's Web Service (AWS), is available for free to all STK users. The hosted SDF is located at <https://sdf.agi.com>.

### On-premise SDF offering

On-premise installations are also available. Hardware specifications for an On-premise installation follow.

#### Application Server

- 8 core CPU
- 16GB RAM
- 200 GB local drive space
- 1TB network share space

#### Identity Platform Server

- 4 core CPU
- 8GB RAM
- 100 GB drive space

#### Database Server

- 8 core CPU
- 32GB RAM
- 1TB drive space (SSD recommended) RAID 1 or 10 recommended)

#### Supported Operating Systems

- Windows 10 April 2018 Update 64-bit
- Windows Server 2016 64-bit
- Windows Server 2019 64-bit
- Linux CentOS/RHEL 7