SkylineGlobe Server

SkylineGlobe Server (SGS) is a private cloud solution that provides publishing, storing, and streaming services for all your spatial data types including terrain, map, feature, 3D Mesh, and point cloud.

Individual geospatial layers and complete projects can be directly uploaded and published to the cloud server from TerraExplorer (TE) or other Skyline client applications, thus streamlining your workflow and eliminating the need for any server side login after initial installation. Through a single publishing operation, data is made ready for consumption by all TerraExplorer clients: Desktop, Mobile, and Web, as well as standard geospatial applications.

The server's built-in complete user access control system allows easy management of users, groups, and administrative roles controlling the server-side storage and client-side read/write permissions.

Streaming

SGS supports streaming services for all your data types:

- Terrain (MPT/TBP)
- 3D Mesh (3DML)
- Map (WMS/WMTS)
- Point Cloud (CPT)
- Feature (WFS/WFS-T)

Publishing and Cataloging Services

SGS supports both client-side and server-side publishing with automatic and manual extraction of metadata & geospatial information and advanced client-side search options.

OGC Compliance

SGS streams raster and feature data to any application that reads the standard OGC WFS, WFS-T, WMS, and WMTS protocols. With SGS's support for WFS-T (Web Feature Service-Transactional), remote clients can edit feature layers and save changes to the data source.

Flexible Deployment

SkylineGlobe Server offers both standard installation and an installation-free (Click and Go) option for both Windows and Linux operating systems.

Server Clusters

SkylineGlobe Server can be configured as a single server or as part of a server cluster, enabling you to serve data to clients with higher availability. All cluster computers are managed from a single web-based management interface.

Direct Uploading

SGS streamlines your workflow, enabling you to upload and publish individual geospatial layers and complete projects to the cloud server directly from TerraExplorer. Through a single publishing operation, data is made ready for consumption by all TerraExplorer clients as well as other OGC clients.

Centralized Web Management

All services, servers, and users are monitored and controlled from SGS Manager.

Multiple Security Layers

Robust user authentication mechanism and restriction of user groups to predefined data folders ensure the security of your data.