Version 6 Release Notes

Information contained in this document is subject to change without notice and does not represent a commitment on behalf of Skyline Software Systems Inc. No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying without the written permission of Skyline Software Systems Inc.

www.skylineglobe.com

4506 Daly Drive, Suite 100 Chantilly, VA 20151 USA

Tel: 703.378.3780 Fax: 703.378.3760

Table of Contents

TerraGate v6 – Terrain Service

Support for MPT v3

MPT v3 offers improved imagery and elevation quality, while reducing file size and optimizing bandwidth capacity. MPT v3 is optimized for schematic maps and high-resolution elevation sources. TerraGate v6 continues to support MPT v2.

Support for TerraBuilder v6 Projects

TerraGate v6 supports TerraBuilder projects (TBP) created by TerraBuilder v6. Projects created by earlier versions of TerraBuilder require conversion to v6.

Distributed TerraGate Network

Installation of TerraGate as a distributed network enables users to fly on a single project managed by dispersed TerraGate servers. Each of the servers provides data for different sections of the terrain database and manages a cache database for sections handled by other servers. This allows enterprise level management and scalability, while also providing high-level availability, and bandwidth optimization.

TerraGate Web Catalog Service (CSW)

TerraGate supports the OGC Catalog Service for the Web (CSW), enabling it to deliver published TerraCatalog layers to CSW client applications. Remote users can query the TerraGate Web Service, using geographical coordinates or by any data in any of the metadata elements.

The service is managed using the Skyline TerraCatalog, which is a catalog database that helps you access, manage and organize your raster, feature, projects and other geographic assets located in storage files or on remote servers. TerraCatalog maintains detailed information about your geographic data including type, dimension, dates, tags, and metadata of each layer.

Feature layer results can be accessed using WFS service while map image data and terrain databases (MPT layers) results can be accessed using TerraGate Terrain Service. Layers do not have to be pre-published by TerraGate to be accessed.

TerraGate v6 – Feature Service

New Cache Format

- Single cache file per layer
- Based on the SQLite database
- Improved performance
  - Compact size
  - Increased access speed
- Simpler management and maintenance

Native Support for Shape Files

Shape files can be streamed natively as WFS layers, without generating a pre-cache database.

Full Support for Multi-Part Layer Types

- Provides better control over polygon face orientations.

- Improves definition of polygon face interiors.

Transactional Web Feature Service (WFS-T)

TerraGate supports WFS-T, providing remote clients with read-write access, to edit (create, delete, and update features) the feature layer. Cache is refreshed only for modified area (including API).

Server Side Queries

TerraGate Web Feature Service supports spatial and attribute queries as well as requests for layers of features, from any application that reads the standard OGC WFS protocol. Query results are divided into several replies to enable queries on large data sets.

Connection Pool for ArcSDE Servers

TerraGate reduces the load on your SDE server by using a user-defined number of connections to ArcSDE servers, for all SDE layers.

SFS Settings Page

New Security Model

TerraGate's new security model enables customers to develop their own security mechanism for SFS. TerraGate provides built-in support for Active Directory, a fast, secure and scalable Windows authentication mechanism.

Active Directory stores all information and settings for a deployment in a central database, and provides a single logon point for all network resources. A user can log on to the network with a single user name and password, and then access any resources to which the user account is granted access.

Interoperability and Standards Support

OGC WFS Compliance

- Supports delivery of layers of features to any application that reads the standard OGC WFS protocol.
- Supports spatial and attribute queries, in addition to retrieval of features.

OGC WFS-T Compliance

TerraGate supports WFS-T, providing remote clients with read-write access, to edit (create, delete, and update features) the feature layer.

OGC WMS Compliance

TerraGate Web Map Service provides an interface both for requesting geo-registered map images from geospatial databases as well as for publishing map data as WMS services.

Catalog Service - Web

Web Interface to the TerraCatalog Database

- Uses OGC Catalog Service: Web (CSW) protocol.

Catalog Service Only Exposes "Published" Layers

- "Publish" property per layer.
- Customizable filter that limits the catalog items exposed to the client.