



## Version 4.5 Release Notes

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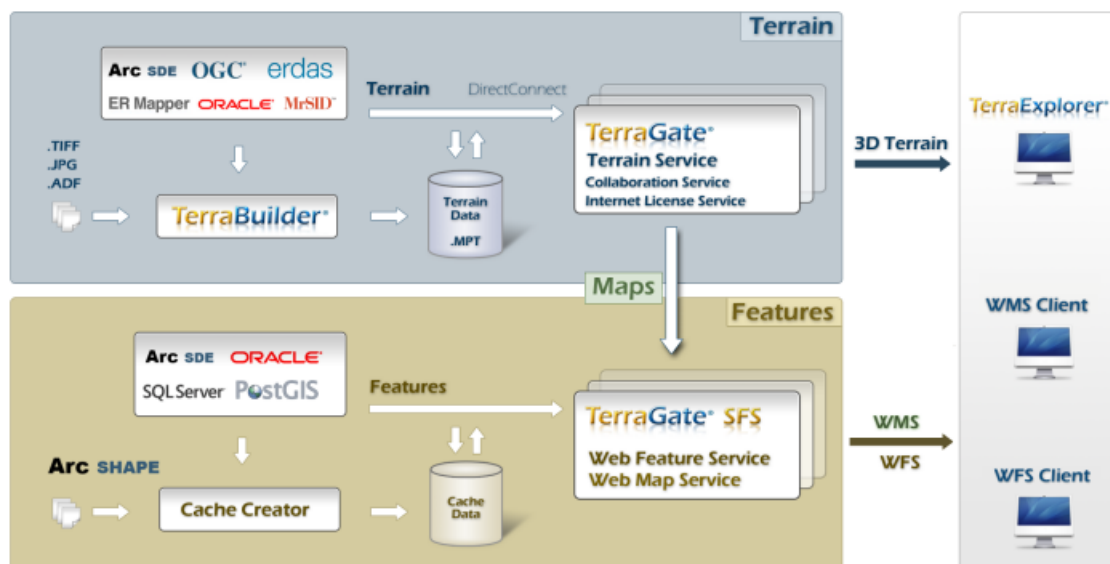
## New TerraGate Architecture

TerraGate component:

- ◆ Terrain Service
- ◆ Collaboration Service
- ◆ Internet License Service

Spatial Framework Services component (SFS)

- ◆ Web Feature Server (WFS)
- ◆ Web Map Server (WMS)



**TerraGate architecture**

## Spatial Framework Services (SFS)

Spatial Framework Services (SFS), known to our old customers as Streaming Feature Service, can now stream either layers of features (WFS) or map image data (WMS) across a network to the client application, via the SFS server. WMS fetches map image data from the TerraGate Terrain Service. The WFS retrieves layers of features from Shape files and from Oracle databases, SQL server databases, PostGIS databases, and ArcSDE servers. Both WMS and WFS management and configuration are now handled from the SFS manager.

## **TerraGate Web Map Service (WMS)**

The new TerraGate Web Map Service (WMS) can now share all your map image data with any application that reads the standard OGC WMS protocol.

Each request for map data is transferred from the WMS Service to the TerraGate Terrain Service. The Terrain Service fetches the data from terrain cache databases (MPT files) or builds the blocks of data using the DirectConnect component. The data is then returned to the WMS Service, converted to a standard WMS result and sent to the client application.

## **TerraGate Web Feature Service (WFS)**

The new TerraGate Web Feature Service (WFS) can now share all your feature data with any application that reads the standard OGC WFS protocol. This new TG WFS is not limited to specific request size and resolution.

## **Feature streaming from SQL Server 2008 and PostGIS**

The new Web Feature Service (WFS) can now read feature data directly from an SQL Server 2008 (spatial) and from the PostGIS databases. You can also build a pre-cached feature database from data that resides on the SQL Server and PostGIS databases.

## **Distributed Terrain Servers**

The new TerraGate Terrain Server (TS) allows you to stream a single 3D project from several servers. Each TerraGate Terrain Server is responsible for part of the project. The TerraGate server caches the data from other TerraGate servers for better performance.

## System Requirements

### Terrain Server

Operating System – Windows® 2003 Server, Windows® 2008 Server.

Processor – TerraGate works best in a multi-core environment.

System Memory - 1 GB of RAM plus an additional 2 MB per concurrent user.

Graphic accelerator Video Card – Not required

User Privileges - You must have Administrator rights to install TerraGate and to run the TerraGate Manager.

### TerraGate SFS component

Operating System - Windows® XP, Windows® Server 2003, Windows® Server 2008 or Windows® Vista.

Browser - SFS requires version 6 or higher of Internet Explorer or Firefox 2 or higher.

Processor - TerraGate SFS works best in a multi-core environment and can utilize multiple CPU's and hyper-threaded processors.

System Memory - At least 1 GB of RAM (2 GB is recommended).

IIS – version 6 and above

User Privileges - You must have Administrator rights to install and configure SFS.

#### Additional Software:

Microsoft Internet Information Services IIS6 or IIS7 with IIS6 compatibility enabled.

Microsoft .Net Framework 2.0 or higher.

Optional: Oracle Client 11.1.0.6.20