# Release guide

GeoMedia Desktop 2025

Version 16.9
21 November 2025

# Contents

# About this release

This document describes the enhancements, fixes and system requirements for GeoMedia.

This release includes both enhancements and fixes. For information on new features, see the various New Technology sections of the document. For information on fixes made for this release, see the various Issues Resolved sections of the document. For information on hardware and software requirements, see System requirements.

This document is an overview and does not provide all details about the product's capabilities. See the product description in the “technical documents” section, online help and other documents provided with GeoMedia for more information.

# GeoMedia Desktop product tiers

GeoMedia is a flexible and dynamic GIS package for creating, updating, managing and analyzing your valuable geospatial information. Generate and update vector layers. Perform dynamic spatial analysis and generate reports. Automatically create and update maps. Manage data and map production more efficiently. GeoMedia is available in three product tiers: Essentials, Advantage and Professional.

- **GeoMedia Essentials** enables you to query and analyze a wide variety of geospatial data sources
- **GeoMedia Advantage** has all the functionality of GeoMedia Essentials and is excellent for data collection and editing, processing and analyzing elevation and terrain data, including LiDAR. It also includes data validation and sophisticated raster analysis tools.
- **GeoMedia Professional** includes all the features of the previous tiers and provides enterprise-wide, multiuser data management and analysis. Manage linear networks, produce professional cartographic maps, conduct advanced feature editing, manage parcel holdings, conduct utility network analysis, monitor and control changes, integrate data from multiple sources and assure overall data quality.

# New platforms (16.8.2)

## G/Technology

The G/Technology Interoperability utility and Import Legend command have been upgraded for interoperability with the metadata changed with HxDR NetWorks Core 11.01.2302.

# New platforms (16.9)

## Geospatial Licensing

Geospatial Licensing 2025 is required for this release.

### PostGIS

PostgreSQL 16 and 17 are now supported, along with the compatible versions of PostGIS.

# Impacts (16.9)

### Installation

The file setup.vbs is no longer delivered. This was previously offered as a way to launch installation in a way that would ensure that a proper minimum version of the Microsoft .net Framework was installed, but all supported versions of Windows now have this installed so setup.vbs is no longer necessary. Setup.exe should be directly used instead.

### Background rendering

See the Background rendering discussion in New technology (16.9).

### Bing Maps command

This command has been deprecated. Microsoft has announced deprecation of Bing Maps in favor of Azure Maps. We anticipate Azure Maps may be available as a basemap type in a future release of GeoMedia.

### GeoMedia Catalog commands

The following commands have been deprecated: Catalog Explorer, Catalog Connections, New Catalog Connection, New Catalog, Import Catalog Records, Export Catalog Records and Associate Catalog Records. Geospatial metadata management is now provided exclusively through the ERDAS APOLLO product line. For more information see ERDAS APOLLO Catalog commands.

In addition, Catalog Connections are no longer presented in the Library Organizer command for transfer between GeoWorkspaces and Libraries.

### ERDAS APOLLO Catalog commands

The following commands have been deprecated: ERDAS APOLLO Catalog Explorer and ERDAS APOLLO Catalog Connection. These commands were no longer compatible with the ERDAS APOLLO 2023 and later.

For integration with APOLLO 2023 and later, see Interoperability with APOLLO 2023 and later.

### PublishIFC utility

The feature accessor mechanism of publishing has been deprecated; only publishing via data servers is supported now.

### Export to AutoCAD command and service

The set of supported AutoCAD file versions has been reduced to just those supported by AutoDesk. Versions R14, 2000, 2004, 2007, 2010 and 2013 are no longer supported.

### Styles command

The options on the right-click context menu for importing and exporting “ERDAS APOLLO Style Definition” have been renamed to “GeoMedia Style Definition.” There is no change in functionality, only in naming. Beginning with APOLLO 2023 it no longer uses these style definitions so the name no longer applies. However, this format is still useful for lossless exchange of style definitions within GeoMedia.

### MergeIntoBaseSurface utility

This utility executable has been deprecated. It is no longer necessary to merge your own surfaces into the global base surface file before running GeoMedia. Use the Insert Surfaces command or drag and drop surface files to overlay your surfaces dynamically on top of the global base surface within GeoMedia.

### Oracle

Oracle Server 12c (12.2.0.1) and Oracle Server 18c (12.2.0.2) are no longer supported by GeoMedia as they have reached end of life with the Oracle Corporation.

### SQL Server

SQL Server 2014 is no longer supported by GeoMedia as it has reached end of life with the Microsoft Corporation.

### PostGIS

PostgreSQL 11 and 12 are no longer supported by GeoMedia as they have reached end of life with the PostgreSQL Global Development Group.

### License Administrator

For the 2025 release the use of concurrent licenses requires installation of the License Administrator.

### Running Utilities

When launching a utility through its command line interface, you must launch it using the START command of MS-DOS in order to ensure that its dependencies can be found within the delivery folders. This has been true for many releases, but is now especially true with the 16.9 release. Also you must specific only the executable name, not its full path.

# Impacts (future)

The following are probable areas of future impact, possibly as soon as the next major release. Users of these capabilities should anticipate the need to transition from them.

- The FSM symbol file format will be officially phased out, with SVG symbols remaining the preferred default symbol format. Use the Define Symbol File utility to convert FSM symbols to SVG.
- Support for IGDS v7 files will be eliminated throughout (CAD data server, Display CAD files command, Export to Design File, Symbol style, etc.). Use MicroStation to upgrade this pre-Bentley legacy file format to the latest DGN file format.
- MapInfo data server and Export to MapInfo Interchange Format command may be phased out due to lack of demand

- GPS Tracking command may be phased out in lieu of GeoMedia WebMap Mobile running on mobile devices
- Digitizer Setup command may be phased out due to lack of demand for use of digitizing tablets

# New technology (16.8.1)

## Data access

### CAD Files

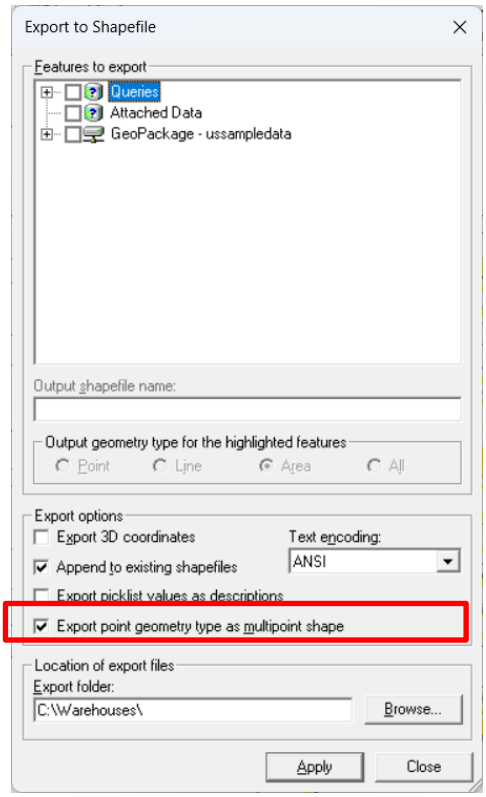
Drag-and-drop is now provided for certain types of CAD files – AutoCAD DWG and DXF files, and MicroStation DGN v8 files. The behavior is similar to that provided by the Display CAD Files command. The dropped files are examined and divided by type and location (folder), and a CAD Server Schema Definition file (CSD) is created behind the scenes to reference the dropped files. A CAD warehouse connection is made to each CSD file and the data is then displayed in the map if the drop target was the map window or legend window.

### Export to Shapefile

This command now offers an option to output a Point shape rather than a MultiPoint shape when exporting points, to improve compatibility with third-party software that does not support MultiPoint shapes. Note that choosing to export Point shape results in data loss if there are geometry collections.

This command and service now create an output CPG file (to indicate the code page of the attributes) as a companion to the output SHP and DBF files.

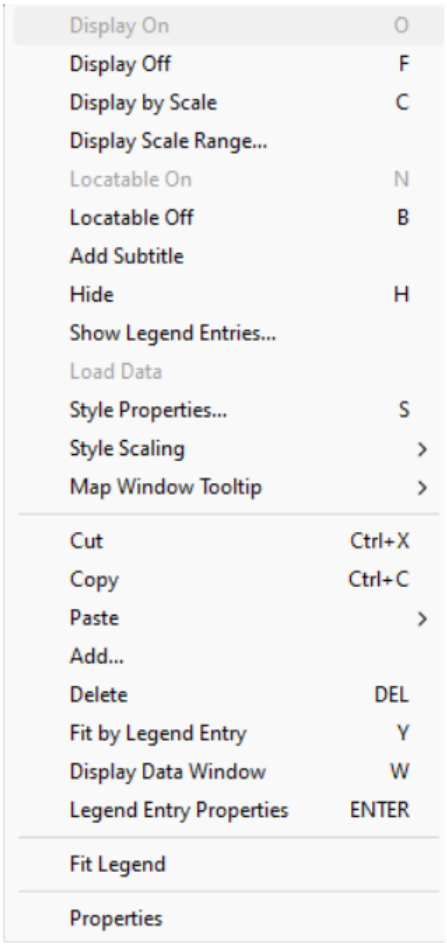
This command no longer outputs PRJ and CSF files for empty datasets.



# Map Window

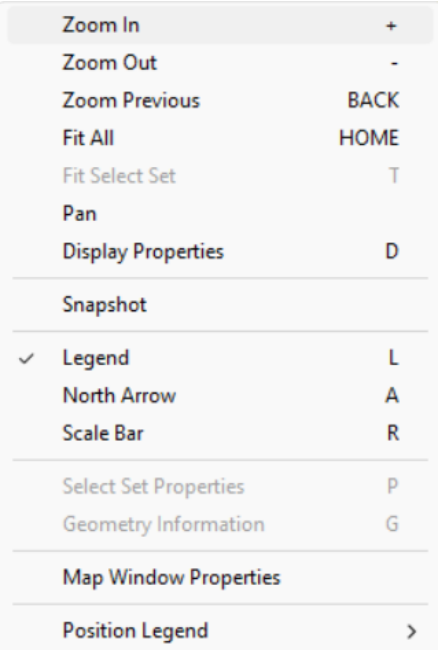
## Legend view

Most of the actions available on the right-click context menu of the legend are also now available as keyboard shortcuts. The shortcut keys are presented on the right side of the context menu. Pressing the indicated key invokes the action even without the menu active. For example, press “S” to invoke Style Properties on the selected legend entry.



### Map view

Most of the actions available on the right-click context menu of the map are also now available as keyboard shortcuts. The shortcut keys are presented on the right side of the context menu. Pressing the indicated key invokes the action even without the menu active. For example, press “Home” to invoke Fit All.



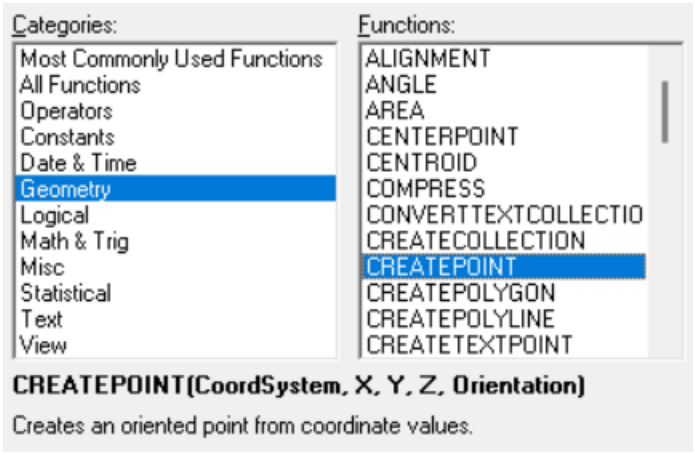

### Coordinate reference systems

It is now possible to drag and drop CSF files and PRJ files to make a change in the active coordinate reference system (CRS) of the GeoWorkspace.

## Analysis

### Functional Attributes

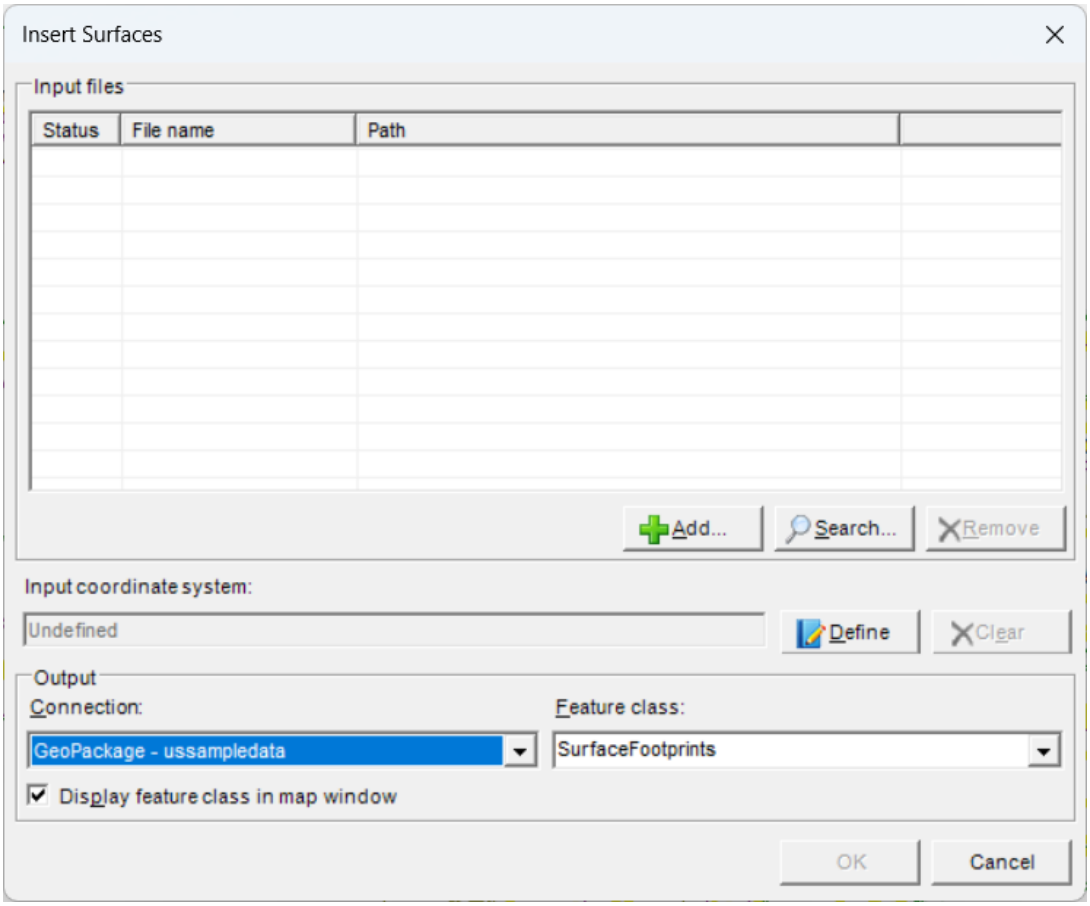
A new expression function CREATEPOINT is now available for use in the Functional Attributes system. It creates an oriented point geometry from attributes containing coordinate values.


Categories:
Most Commonly Used Functions
All Functions
Operators
Constants
Date & Time
Geometry
Logical
Math & Trig
Misc
Statistical
Text
View
Functions:
ALIGNMENT
ANGLE
AREA
CENTERPOINT
CENTROID
COMPRESS
CONVERTTEXTCOLLECTIO
CREATECOLLECTION
CREATEPOINT
CREATEPOLYGON
CREATEPOLYLINE
CREATETEXTPOINT
CREATEPOINT(CoordSystem, X, Y, Z, Orientation)
Creates an oriented point from coordinate values.

# 3D

## Insert Surfaces command

This new command is available from the 3D Data panel of the Manage Data ribbon tab. It allows surfaces files (GeoTIFF DEMs and DTED files), to be inserted in the same manner as Hexagon Smart Point Clouds and OGC 3D Tiles. Footprint polygons and other metadata is collected for each surface and inserted into the target feature class as well.

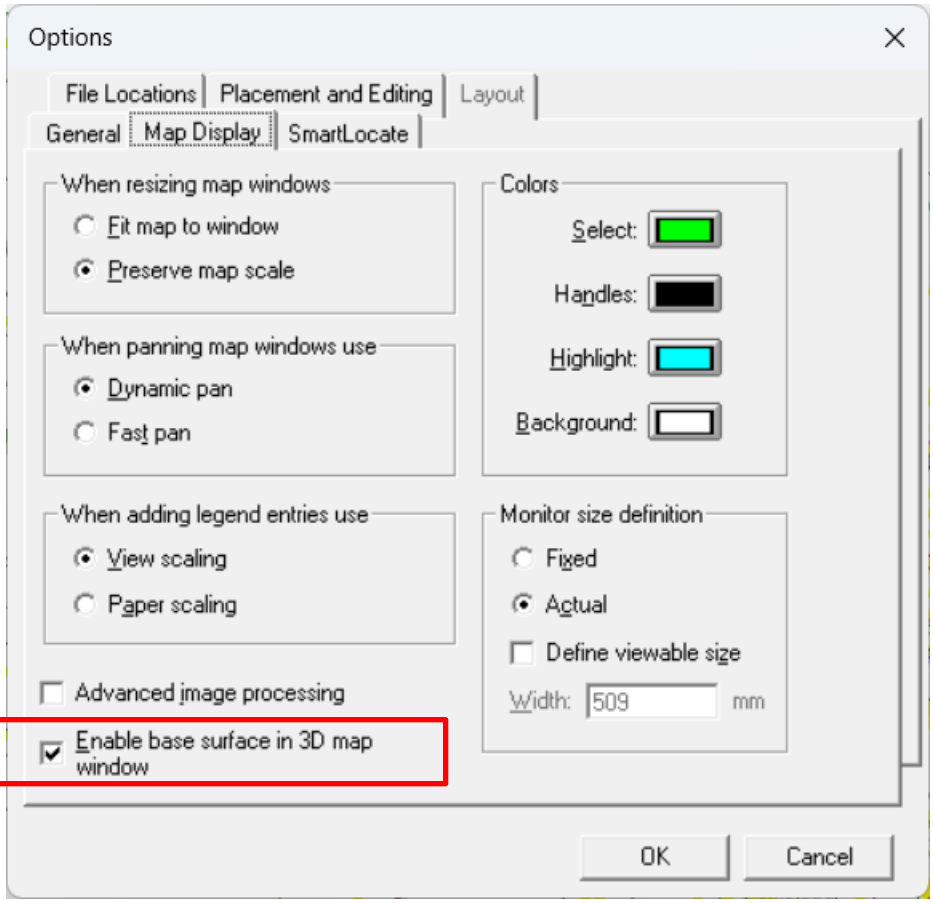



It is also possible to drag and drop GeoTIFF DEMs and DTED data to attach them to the GeoWorkspace.

## Map Window 3D mode

Surfaces that have been inserted via the new Insert Surfaces command, or attached via drag and drop, are now presented dynamically in the 3D window, overlaying and superseding the underlying global base surface. These dynamic surfaces are used for draping vector and raster data.

It is now possible to disable use of the global base surface presented in the map window when in 3D mode. See the checkbox “Enable base surface in 3D map window” on the Map Display tab of the Options command.




### Construct HSPC utility

This utility now supports output of points clouds in a geographic coordinate reference system (CRS).

## Spatial Modeler

### Features Output operator

This operator now creates an output CPG file (to indicate the code page of the attributes) as a companion to the output SHP and DBF files.

### Fill Depressions operator

Additional optimizations have been introduced to improve performance and scalability under certain data conditions.

# New technology (16.8.2)

## Data access

### 3D

Drag and drop of files from Windows File Explorer into the map window is now supported even when the map window is in 3D mode.

Style properties for control of the display of point clouds are now available. On the Advanced tab of the Style Properties dialog for legend entries representing point clouds, additional style properties permit:

- Filtering of points based on classification
- Sizing of points
- Control of point color by classification, elevation, intensity or an elevation/intensity blend

## Spatial Modeler

### Features Output operator

This operator now supports output of only a DBF file when Features with no geometry field are output to Shapefile format.

New technology (16.8.3)

## Map window

### Basemaps

The warning dialog that is presented when turning on a basemap has been simplified in its wording, and a checkbox added to permit it to be suppressed in the future.

# New technology (16.9)

## Data access

### Oracle Object Model data server

When operating in the absence of GeoMedia metadata, this data server now interprets the native CRS definitions from Oracle and serves feature classes with those CRS definitions correctly assigned to the geometries of the feature classes. This permits proper map window coordinate transformation, measurements, etc. on such data.

## SQL Server Spatial data server

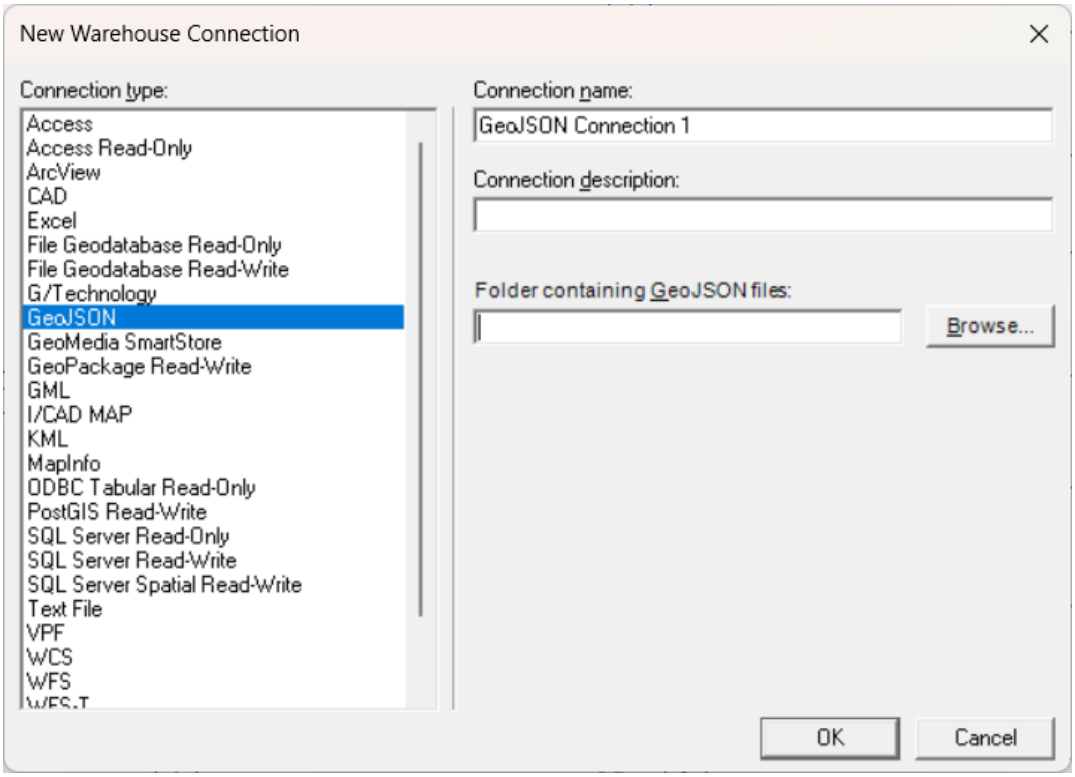
When operating in the absence of GeoMedia metadata, this data server now interprets the native CRS definitions from SQL Server and serves feature classes with those CRS definitions correctly assigned to the geometries of the feature classes. This permits proper map window coordinate transformation, measurements, etc. on such data.

## GeoPackage data server

When operating in the absence of GeoMedia metadata, this data server now interprets the native CRS definitions from GeoPackage and serves feature classes with those CRS definitions correctly assigned to the geometries of the feature classes. This permits proper map window coordinate transformation, measurements, etc. on such data.

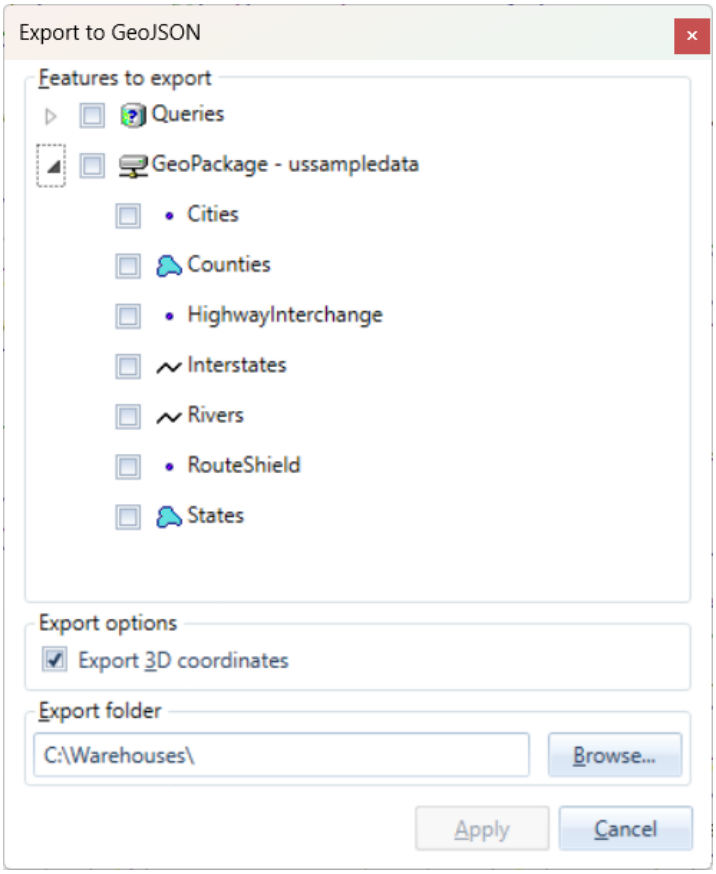
## GeoJSON data server

A new data server for the GeoJSON data format is now provided.  Drag-and-drop of .geojson files is also provided.



## Export to GeoJSON command and service

A new command for export of GeoJSON files is now provided, along with API for use in custom applications.




## Interoperability with APOLLO 2023 and later

GeoMedia now supports drag and drop of datasets from the APOLLO Catalog Explorer web application. Formerly, GeoMedia offered an APOLLO Catalog Explorer command with limited query and browsing capability that provided the ability to discover datasets and load them into GeoMedia. Now, the full power of the APOLLO Catalog Explorer web application can be used side-by-side with GeoMedia to discover datasets, and the thumbnails for those datasets can be dragged and dropped into a GeoMedia map window, legend or Explorer window just as if dragging and dropping files from File Explorer.

# Map Window

## Background rendering

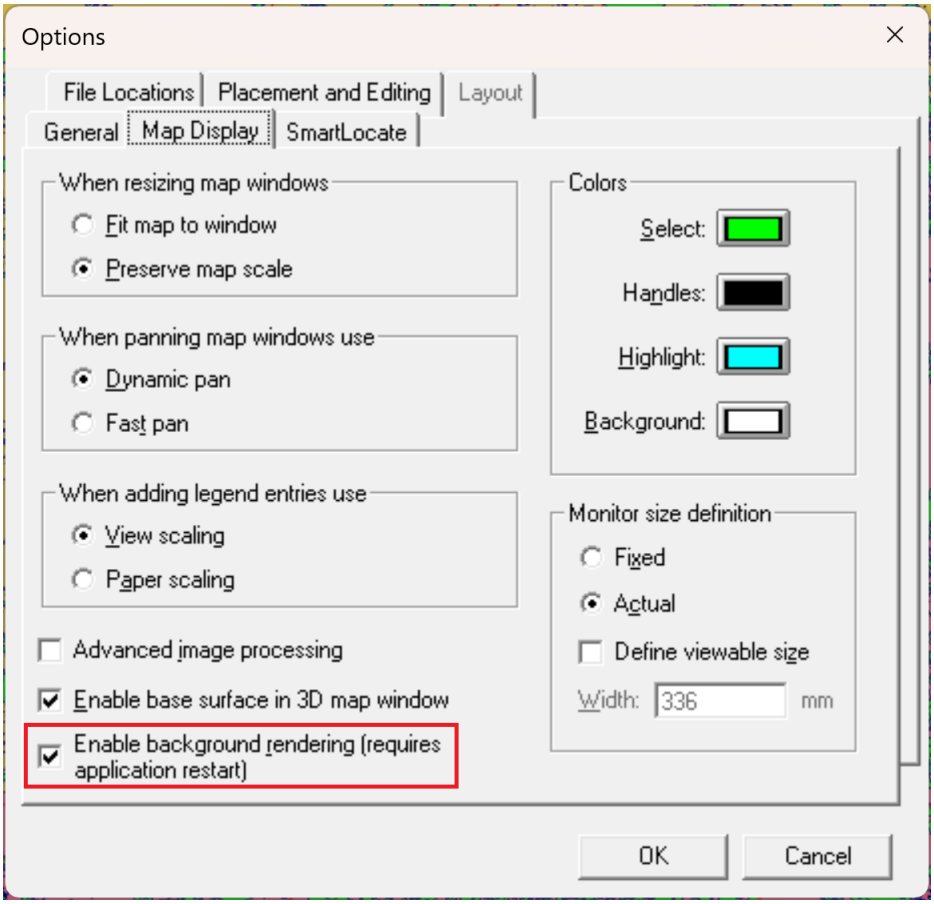
Each map window, when in 2D mode, now displays its map on a background thread, allowing the user to continue to interact with the GeoWorkspace while the maps are rendering. This is a great improvement in usability and responsiveness. Some key aspects include:

- Changes in the extent of the display area such as resizing a map window or docking/undocking the legend of a map window no longer require a redraw, so they’re faster
- All map viewing actions such as zoom and pan cause a cancellation of any ongoing map rendering at the current view extent, and a restart with the new map extent
- Zoom In first magnifies the current map display for context, then begins to render the map
- Zoom Out first presents a zoomed-out picture of the current map display for context, then begins to render the map
- Any action in the GeoWorkspace that could affect the display, such as altering the legend, closing a warehouse connection or changing the GeoWorkspace coordinate system or active spatial filter, also causes a cancellation of any ongoing map rendering and a restart with the new map content

Some other factors to be aware of:

- Behavior of the map window when in 3D mode remains unchanged
- Content of the map window is drawn in the following order: Background color, basemap, each legend entry from bottom to top per the Display Order tab, then finally the dynamic graphics layer used for items such highlighting and selection via the Select Tool command, rubberbanding of dynamic geometries, handles for editing geometries, autopan frame, etc. These items must always be on top of the rest of the display. The implication of this is that the entire rendering cycle must be complete before dynamic graphics can be seen. We expect this situation to improve in subsequent releases.
- Animated styles are no longer supported. Animation definitions for style definitions and individual properties are retained but are disregarded when drawing in the map window. A simplified means of achieving style animation may be introduced at some later time. User interface in the Style Properties dialog for enabling/disabling animation for a style, and for defining animations for style properties, are now suppressed.
- When feature caching is enabled for a warehouse connection, the benefit of reusing an existing feature cache file on disk has applied in the past to both geoprocessing (e.g., query execution) and legend entry loading for feature classes. With the advent of background rendering, the benefit now applies only to geoprocessing. A dynamic feature cache for background rendering must be constructed at runtime even for feature classes with a persistent cache.
- Dynamic labels displayed via the Toggle Dynamic command on the Labeling ribbon are not rendered in the background. Pauses in the responsive interaction of the map window may occur when such a legend entry is present.

- The Options command permits background rendering to be disabled if desired. When turning background rendering on and off, GeoMedia must be exited and restarted.



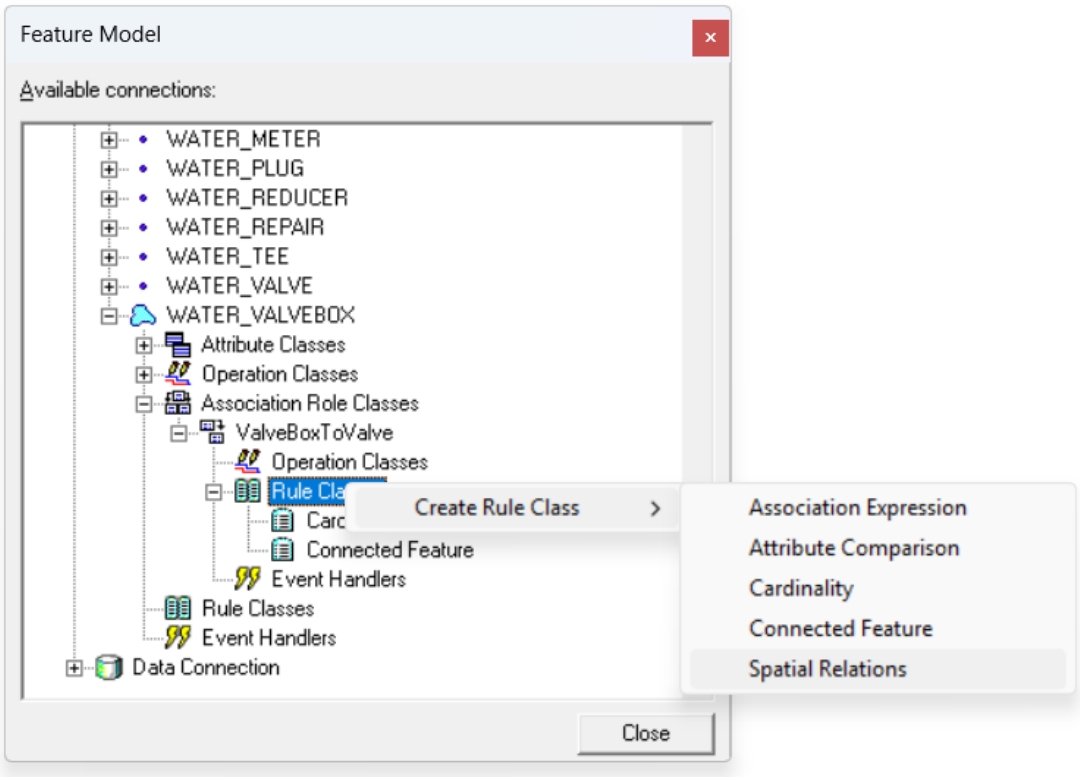

## Raster display

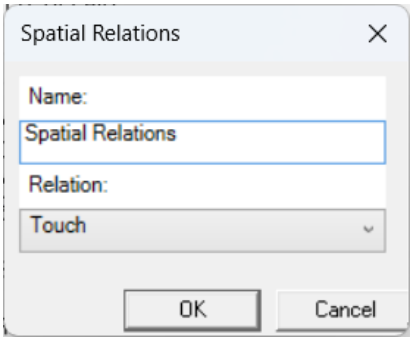
Overviews in RRD format are now supported when associated with TIF files.

# Advanced Feature Model

## SpatialRelations rule

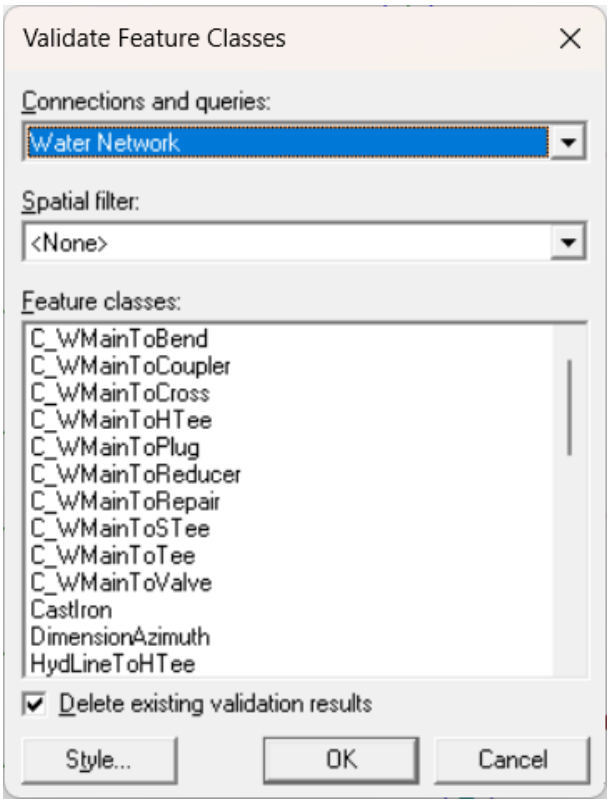
A new rule has been introduced that permits the specification of a required spatial relationship between pairs of features within an association role class.




## Validate Features command

This command has been altered to improve its usability. It provides a multiselect checkbox tree view to permit simultaneous selection of feature classes from multiple warehouse connections, as well as queries. It has been made compatible with the GeoWorkspace-wide active spatial filter. It uses the standard Style button to offer a preview of the active style definition.

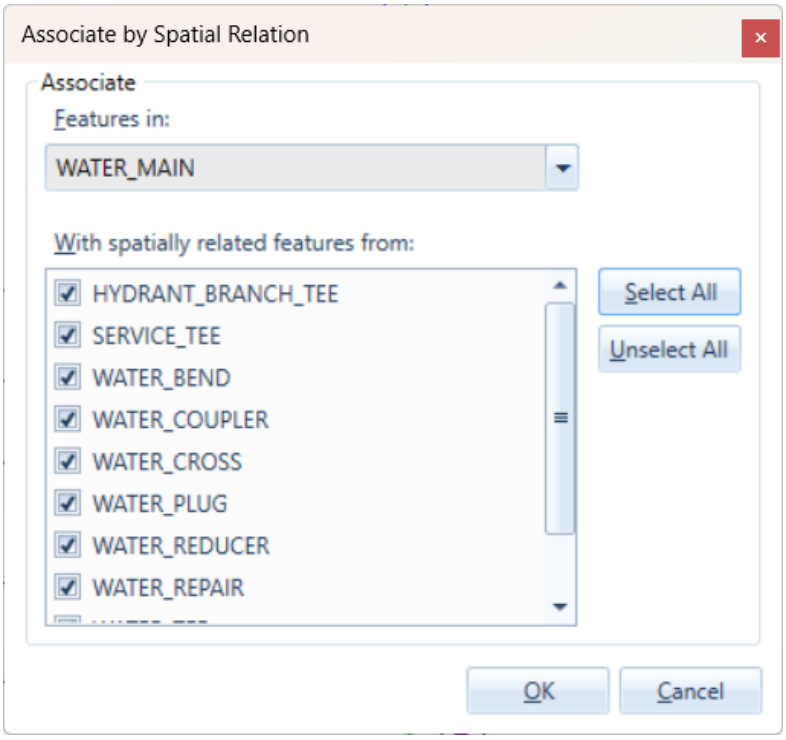



## Associate by Proximity command

This command has been deprecated and replaced by the new Associate by Spatial Relations command, which provides additional capabilities.

### Associate by Spatial Relations command

This new command replaces the Associate by Proximity command, providing a more extensive variety of spatial relation types via both the Spatial Relations and Connected Features rules.




## Data capture

### Feature Properties dialog

For many releases the Feature Properties dialog displayed by the Select Set Properties command has been a more modern and advanced variant of the original Feature Properties dialog that was still in use with the commands in the data capture system (and elsewhere) such as the Insert Feature command. With this release, all commands now use the most up-to-date variant of this dialog.

### Insert Label command

The placement of labels for area geometries has improved to ensure the origin of each label is placed more obviously in the interior of the area rather than being on or near the boundary, in cases in which an area has concavities or holes.

## Spatial Modeling

### Features Input operator

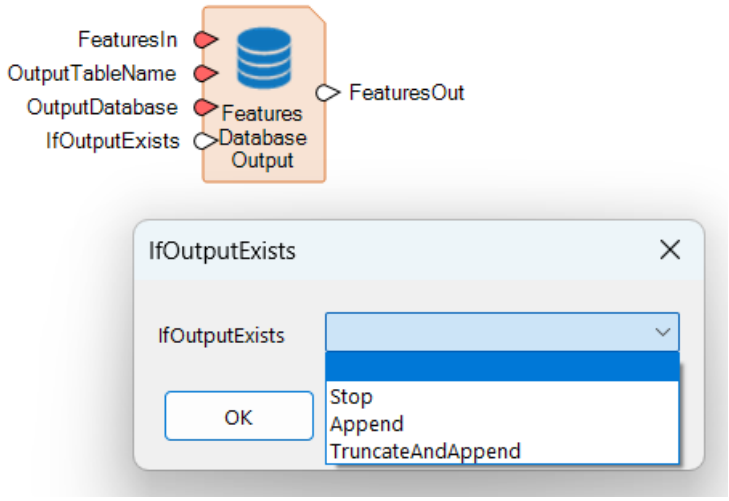
This operator now supports input of GeoJSON files.

### Features Output operator

This operator now supports output of GeoJSON files.

## Features Database Output operator

This operator now supports appending incoming Features to an existing table. A new port IfOutputExists allows the model to stop processing as previously, insert into to the existing table or first truncate the table (empty it of all rows) and then insert into it.



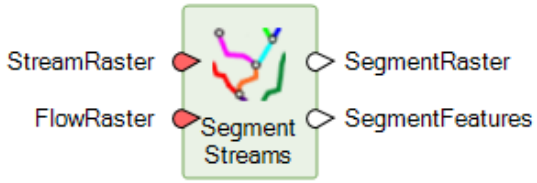

## Generate Functional Attributes operator

For this operator and others that permit definition of functional attributes, two new expression functions are now available:

- FROMGEOJSON generates a geometry from GeoJSON text
- TOGEOJSON generates GeoJSON text from a geometry

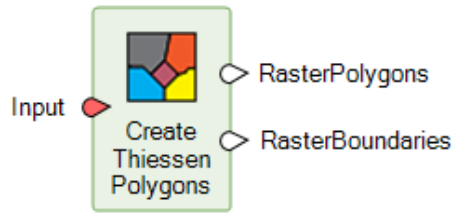
## Segment Streams operator

This new operator identifies the individual stream segments within a stream network raster and can output the result as either raster or stream features.



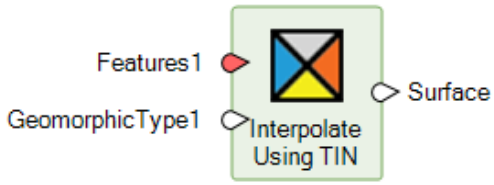
### Create Thiessen Polygons operator

This new operator takes as input a source raster containing pixels representing discrete point, line and area phenomena, and produces Thiessen polygons in its raster output.




### Interpolate Using TIN operator

This new operator generates an elevation raster from a Triangulated Irregular Network (TIN) surface, which is created from a set of geomorphic features.



# System requirements

| | |
|---|---|
| Computer/processor | Any x64-based processor<br>To use the 3D map window mode, a quad-core CPU is recommended for optimal performance<br>To handle HSPC (Hexagon Smart Point Cloud) data, support for the Advanced Vector Instruction Set (AVX) is required |
| Memory (RAM) | 16 GB or more recommended |
| Disk space[1] | 10 GB for software |
| Operating systems[2] | • Windows 11<br>• Windows Server 2022<br>• Windows Server 2025 |
| Graphics displays | Using the new 3D map window mode requires elevated system resources. The following are recommended for optimal performance:<br>• OpenGL: 4.2 or above<br>• Dedicated graphics memory: 1GB or more<br>• Graphics card: a recent NVIDIA (or AMD) GPU<br>  ○ GeForce GTX 6xx or better<br>  ○ Quadro Kxxxx or better |
| Peripherals | Software licensing requires an ethernet card |
| Virtual server and virtual app technology | GeoMedia is a standard Windows application that has been shown to be compatible with a variety of virtualization technologies such as VMware, Hyper-V, VirtualBox and XenApp. While running GeoMedia in such environments is supported, any problems that uniquely occur in a virtualized environment are considered issues with the virtualization software. |
| Prerequisites | • Geospatial Licensing 2025 |
| Database servers[3] | • Oracle Server 19c (12.2.0.3)<br>• SQL Server and SQL Server Express 2016<br>• SQL Server and SQL Server Express 2017<br>• SQL Server and SQL Server Express 2019<br>• SQL Server and SQL Server Express 2022<br>• Azure SQL Database compatible with SQL Server 2016, 2017 2019, or 2022 |

| | |
|---|---|
| | • PostgreSQL 13 with compatible version of PostGIS<br>• PostgreSQL 14 with compatible version of PostGIS<br>• PostgreSQL 15 with compatible version of PostGIS<br>• PostgreSQL 16 with compatible version of PostGIS<br>• PostgreSQL 17 with compatible version of PostGIS |
| Database clients[3] | • Oracle Client 19c (12.2.0.3), 32-bit[4] and 64-bit[5]<br>• SQL Server Native Client 10.0 or higher[6] |

### System requirements notes

[1] Disk I/O is usually the slowest task in geospatial data processing. Faster hard disks improve productivity. Reading data from one disk, writing temporary data to a second disk and writing data to a third disk improves performance. Disk arrays improve productivity, but some RAID options slow performance. Network disk drives are subject to network limitations.

[2] GeoMedia runs on 64-bit systems in 32-bit emulation mode.

[3] In all cases of database software, support for a specific version is dropped in the GeoMedia context when the database vendor ends support for that version.

[4] Oracle Data Access Components (ODAC) is required if using the Database Utilities utility to manage an Oracle warehouse. ODAC is normally delivered by the Oracle Client Administrator installer, but not by the Oracle InstantClient installer. ODAC contains many components, of which Database Utilities requires the Oracle Provider for OLEDB.

[5] GeoMedia requires Oracle 32-bit client software. Oracle 64-bit client software is used only when connecting to Oracle using Spatial Model Editor.

[6] SQL Server Native Client 10.0 or higher is needed for the Database Utilities utility to automatically create the correct GeoMedia metadata for date, time and datetime2 data types when using a SQL Server or SQL Server Spatial warehouse. You may get SQL Server Native Client 10.0 or higher from the corresponding Microsoft websites. If the SQL Server Native Client is not installed on the system, you need to manually choose Date as the data type from the dropdown combo box for these data types in the Feature Class Properties dialog and set the format properly.

# Issues resolved (16.8.1)

| Support ticket | Description |
|---|---|
| 00171582 | The Library Organizer command crashes when copying all queries at once from a specific library. |
| 00162208 | A custom standalone application developed in .net exhibits strange behavior when its main window parent is set to GeoMedia. |
| 00027261 | The Export to Design File command fails to export using a specified cell name when exporting points that are declared as compound by GeoMedia metadata. |
| 1-JMP8PV | The Export to FGDB command throws warnings / errors for empty recordsets. |
| 1-XD2KZ3 | The Export to Shapefile command crashes on area features when exporting vmap1 to shapefile through the GeoMedia API. |

| Support ticket | Description |
|---|---|
| 1-8S6H1V | The Export to Design File command is not able to export to "alias" folders. |
| 1-8E32CD | The Library Organizer command produces an error when copying objects from a library, when the library connection name contains Cyrillic characters. |
| 1-51X1GV | The Export to Shapefile command creates a DBF with an invalid character length, causing attribute corruption in ArcGIS. |
| 00185543 | The Select Set Properties command crashes when there is a null FieldFormat in AttributeProperties for Date field type. |
| 1-AYCP68<br>1-ARGSSH | X/Y coordinates are reversed for geocoded point features when transmitted through a library connection. |
| 00183329 | The Queries command is unable to edit an Attribute Query when it is based on another query. |
| 00024889 | The Export to Shapefile command has a minor flaw in its output field name logic due to field name length limitations. |
| 00188371 | Unable to digitize new line and area features into SQL Server Spatial warehouses. |
| 00169476 | PDF exported using GeoMedia PDF fails to display styles based on GM fonts. |
| 00169476 | RTL (right-to-left) text is not exported properly from GeoMedia PDF. |
| 00188782 | The style property setting for Color is ignored for labels defined through Label Manager when displayed through a thematic legend entry. |
| 00182181 | Insert Interactive Image command crashes when inserting an image that has no file extension. |

# Issues resolved (16.8.2)

| Support ticket | Description |
|---|---|
| 00190090 | Error message when inserting point features contained in categories with AFM active. |
| 00223015 | Backspace does not work when using Insert Feature and right-click. |
| 00207198 | Dependent queries do not load after copy from library in some cases. |
| 00203492 | Crash after changing value in data window in custom application. |
| 00210723<br>00246812 | After closing one warehouse connection in a GeoWorkspace containing two, doesn't preserve the legend entries properly. |
| 00217508 | Issues storing data values in Single and Double data type fields. |
| 00225445 | Application hangs when attempting to display certain AFM-enabled feature classes in SQL Server Spatial database. |
| 00245283 | Error when importing several G/Technology legends. |
| 00249646 | If Legends are written into a Library with the option "Copy with new name", an error appears for each Legend. |
| 00250252 | Problems creating attribute queries with G/Technology data server. |
| 00224269 | Scroll wheel zoom in doesn’t work properly when inserting interactive label. |
| 00282887 | When a legend entry is disabled on the "Groups" tab of the Legend and Display Off is attempted, an "Encountered an improper argument" error occurs. |
| 00295766 | Leader Lines cannot be placed with command Insert Leader Line even though the labels are defined with option Enable Leader Lines. |
| 00295208 | Select Set Properties dialog displays wrong values for attributes defined as Single. |
| 00217508 | Issues storing data values in Single and Double data type fields. |
| 00203492 | Crash after changing value in data window in custom application. |
| 00304741 | GeoMedia gets locked when calling printer properties while controls are undocked. |
| 00262147 | WFS data server gives error when display a Text legend entry with a spatial filter. |
| 00247605 | Collapse To Line operator crashes with certain features having massive vertex counts. |
| 00198239 | PostGIS data server produces an error when adding a legend entry for a materialized view. |

| Support ticket | Description |
|---|---|
| 00218123 | In GeoMedia PDF, when exporting a PDF with the Arabic text font changed to Italic Arial, the output is distorted in the PDF. |

# Issues resolved (16.8.3)

| Support ticket | Description |
|---|---|
| 00389685 | The tooltip for attribute description is missing in the Select Set Properties command. |
| 00391246 | Oracle data server adds an extra vertex into area geometries. |
| 00416557 | Poor performance opening AFM-enabled PostGIS connections. |
| 00395617 | GeoMedia crashes on opening queries. |
| 00399693 | Insert Label fails to create labels for EPSG4525 dataset (China Geodetic Coordinate System 2000). |
| 00405327 | Label queries can no longer be displayed and edited via the Queries command when they include leader lines. |
| 00426754 | CCITTG4 image disappears from Map after inserting Map Graphics into layout. |
| 00403551 | Raster disappears from map window when displayed in layout. |
| 00442439 | Print of certain WMS services renders text too small and faint in appearance. |
| 00440184 | When a legend entry is disabled on the "Groups" tab via Show Legend Entries on the context menu, error results on the Display Order tab. |
| 00356659 | PostGIS data server spatial filter with overlap operator shows features which are completely outside of the filter. |
| 00447618 | Using the arrow keys (up/down, left/right) in the Select Tool of the map window causes GeoMedia to lock up. |
| 00448468 | Missing translation to German for the Change GeoWorkspace Coordinate System dialog. |
| 00456763 | GeoMedia crashes in GWS configuration containing a join, data window, and renamed database. |
| 00456079 | Construction aid dockable controls in Insert Feature command do not close after using Cancel Feature or Cancel Construction Aid. |
| 00109784 | Clicking X on Insert Feature placement mode controls after moving them leaves blank control. |

# Issues resolved (16.9)

| Support ticket | Description |
|---|---|
| 00112277 | Misleading information in help topic for native coordinate system support with GeoPackage databases. |
| 00395778 | Grid import of specific GeoTiffs results in incorrect display. |
| 00367427 | Display CAD Files command has a problem serving data when Polish characters exist in the file or folder name. |
| 00023229<br>00052777<br>00173802<br>00320372 | GeoMedia crashes when attempting to access a query on a feature class within an FGDB warehouse when that feature class has been renamed or is otherwise no longer available. |
| 00426754 | CCITTG4 image disappears from map after inserting Map Graphics into layout window. |
| 00403551 | Raster disappears from map window when displayed in layout. |
| 00438963 | Output to Feature Classes creates invalid WKB polygon geometry for specific data case in PostGIS and GeoPackage. |
| 00409692 | Run Spatial Model command output of IFC files to feed into the model is slow. |
| 00310296 | Features Database Output operator output to GeoPackage fails when using Run in Batch. |
| 00035723 | UTF-8 encoded data such as German special characters are not handled correctly by Text File data server. |
| 00396474 | Inserting 32-bit floating point 4-band raster files crashes GeoMedia. |
| 00391488 | Reverts to using the main image for histogram calculation when the product of the width times the height is greater than the value that will fit in a 4-byte integer. An 8-byte integer is now utilized in the calculation. |
| 00171646 | GDA2020 datum is now supported by raster georeferencer. |
| 00172686 | Modified CFL to recognize RRD files with other formats than IMG such as TIFF. |
| 00465655 | Regressive performance issue seen after edit of a query via the Queries command when a Union query is part of the query chain. |
| 00396474 | GeoMedia crashes if attempting to display 48-bit RGB TIFF. |
| 00391488 | GeoMedia doesn't read raster overviews created using FME. |
| 00171646 | Output to GeoTIFF is unable to properly export to EPSG 7855 (GDA2020/MGA Zone 55). |
| 00298027 | Features Input operator fails to output table name when using Features Proxy files. |
| 00372730 | Features Database Output operator fails to connect to vanilla PostGIS v16 database due to change in PostGIS metadata. |
| 00474997 | Update Attributes command produces an error message  if warehouse location paths contain special characters. |
| 00433055 | Dockable control remains resizable after setting Resizable property to false. |
| 00442866 | A custom application crashes when changing a symbol style to use a MicroStation v8 cell file. |
| 00445997 | Point orientation is lost when bringing PostGIS data into Spatial Modeler. |
| 00460515 | GeoMedia crashes when using a specific FGDB dataset that is read-only. |
| 00380690 | Output To Feature Classes can create incomplete metadata with output of queries. |
| 00467537 | Import Layout fails to import more than 3 additional GeoMedia layout sheets (.gls) files. |
| 00456103 | Zooming with the scroll wheel while running the Zoom In command causes a corrupted dynamic fence rectangle. |
| 00406498 | Running the Display CAD Files command can result in an error when connecting multiple CAD files (DXF/DWG), causing ribbon buttons to disappear with the message "Encountered an improper argument". |
| 00369129 | Generate Static Labels allows use of invalid feature class names which can result in invalid labeling metadata. |
| 00367247 | When displaying graphic text in the map window, the Text Style does not correctly display RTF settings for paragraphs when the RTF varies within the string. |
| 00208761 | CAD data server produces a degenerate arc from a specific dataset, causing Output to Feature Classes command to crashes during output to PostGIS. |
| 00185546 | Publish to SmartStore utility throws error with attempt to publish data from Excel connection. |

| Support ticket | Description |
|---|---|
| 00067804 | Specific MapInfo data fails to properly display in GeoMedia. |
| 00027273 | Validate Connectivity command results in "Out of Stack Space" error with certain data and workflow. |
| 00057895 | Validate Connectivity command fails to correct node geometry for Non-coincident Intersecting Geometry on linear features. |
| 00022846 | The "'Load XML" capability of the Validate Connectivity command fails to account for the connection name, resulting in the load of feature classes not saved. |
| 00022855 | Validate Connectivity command yields a Type mismatch when loading an XML anomalies file on Russian or French OS. |

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