Release guide

GeoMedia Desktop 2023

Version 16.8
12 September 2023

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 New technology (16.7.1), New technology (16.7.2) and New technology (16.8). For information on fixes made for this release, see Issues resolved (16.7.1), Issues resolved (16.7.2), Issues resolved (16.7.3) and Issues resolved (16.8). 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, 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)

Geospatial Licensing

Geospatial Licensing 2023 is required for this release.

SQL Server

SQL Server 2022 is now supported.

PostGIS

PostgreSQL 14 and 15 are now supported, along with the compatible versions of PostGIS.

Impacts (16.8)

Oracle

Oracle 12.1 is no longer supported by GeoMedia as it has reached end-of-life with the Oracle Corporation.

SQL Server

SQL Server 2012 is no longer supported by GeoMedia as it has reached end-of-life with the Microsoft Corporation.

PostGIS

PostgreSQL 9.6 and 10 are no longer supported by GeoMedia as they have reached end-of-life with the PostgreSQL Global Development Group.

ERDAS APOLLO Catalog Explorer

For the 2023 release the ERDAS APOLLO catalog commands are compatible only with ERDAS APOLLO 2022 and prior configurations.

Pictometry command

This command has been deprecated and removed from GeoMedia.

Object Space data server

Support for Object Space files has been removed from GeoMedia.

License Administrator

For the 2023 release the use of concurrent licenses requires installation of the License Administrator.

Impacts (future)

Oracle

Support for the following Oracle releases will be dropped with the next release of GeoMedia, as they have reached end-of-life with the Oracle Corporation.

- Oracle Server 12c (12.2.0.1)
- Oracle Server 18c (12.2.0.2)

ERDAS APOLLO Catalog Explorer command

The ERDAS APOLLO Catalog Connection command and the ERDAS APOLLO Catalog Explorer command will be deprecated in a future release. GeoMedia Desktop 2023 is the final release with these commands available.

For the 2023 release these commands are compatible only with ERDAS APOLLO 2022 and prior configurations.

GeoMedia Catalog Explorer command

The suite of seven commands that comprise the GeoMedia Catalog command suite will be deprecated in a future release. GeoMedia Desktop 2023 is the final release with these commands available. Subsequent releases may offer a new means of interacting with an ERDAS APOLLO catalog instead.

Bing Maps command

This command will be deprecated in a future release. GeoMedia Desktop 2023 is the final release with this command available. Bing Maps may be offered as a basemap type in a future release.

Export to AutoCAD command and service

The set of supported AutoCAD file versions will be reduced in a future release. GeoMedia Desktop 2023 is the final release in which export to versions R14, 2000, 2004, 2007, 2010 and 2013 will be supported.

PublishIFC utility

Since the introduction of PublishIFC.exe utility and its companion DataSourceMonikerCreator.exe, IFC publishing has been supported through two avenues – data servers and feature accessors. In the future, the feature accessor mechanism will be deprecated, and only data servers supported. It is recommended beginning even with GeoMedia 16.5 that all publishing of IFC files be done via data servers.

New technology (16.7.1)

General

Drag-and-drop

When dropping a warehouse or raster file into a GeoWorkspace, the Options command setting to "Match GeoWorkspace and default Warehouse coordinate systems...when making first connection" is now honored so that the CRS of the GeoWorkspace no longer needs to be manually overridden afterward to make it match the dropped data.

Customized ribbon definitions

Exported custom ribbon definitions now include a universal command identifier, rather than a system-specific one, for commands that are installed by add-on applications. This improves portability of customized ribbon definitions from one system to the next.

Data access

Oracle data server

This data server now supports read-write data operations (insert, update and delete) on feature classes even in the absence of GeoMedia metadata. In such a configuration the Refresh with Warehouse Changes command on the Manage Data tab of the ribbon is not able to refresh with the changes of other users due to the lack of GeoMedia modification logging tables in the database. Other users' changes may only be seen if a warehouse connection is reopened. In this configuration the schema of the database remains read-only for GeoMedia.

PostGIS data server

This data server now supports read-write data operations (insert, update and delete) on feature classes even in the absence of GeoMedia metadata. In such a configuration the Refresh with Warehouse Changes command on the Manage Data tab of the ribbon is not able to refresh with the changes of other users due to the lack of GeoMedia modification logging tables in the database. Other users' changes may only be seen if a warehouse connection is reopened. In this configuration the schema of the database remains read-only for GeoMedia.

GeoPackage data server

This data server now supports read-write data operations (insert, update and delete) on feature classes even in the absence of GeoMedia metadata. In such a configuration the Refresh with Warehouse Changes command on the Manage Data tab of the ribbon is not able to refresh with the changes of other users due to the lack of GeoMedia modification logging tables in the database. Other users' changes may only be seen if a warehouse connection is reopened. In this configuration the schema of the database remains read-only for GeoMedia.

ArcView data server

This data server now supports the Coarse Overlap operator for spatial filtering. Previously it would revert to the Overlap operator when Coarse Overlap was set as the active spatial filter operator for the GeoWorkspace. With the Coarse Overlap operator, the filtering process uses only the MBR of geometries, with the result that it returns results more quickly, but those results may include features that do not precisely overlap the spatial filter geometry.

KML data server

This data server now supports the Coarse Overlap operator for spatial filtering. Previously it would revert to the Overlap operator when Coarse Overlap was set as the active spatial filter operator for the GeoWorkspace. With the Coarse Overlap operator, the filtering process uses only the MBR of geometries, with the result that it returns results more quickly, but those results may include features that do not precisely overlap the spatial filter geometry.

MapInfo data server

This data server now supports the Coarse Overlap operator for spatial filtering. Previously it would revert to the Overlap operator when Coarse Overlap was set as the active spatial filter operator for the GeoWorkspace. With the Coarse Overlap operator, the filtering process uses only the MBR of geometries, with the result that it returns results more quickly, but those results may include features that do not precisely overlap the spatial filter geometry.

Publish to Map command

This command now offers the option to publish KML with the Altitude Mode set to either Clamped or Absolute. The default setting remains Clamped.

Layout

Batch plotting

This utility now offers a checkbox to “Apply spatial filter dynamically” for the Sheet Selection workflow, just as it does for the Sheet Composition workflow. Use of this checkbox causes additional processing to be done on a per-sheet basis, but it reduces the amount of data loaded for plotting and may improve scalability when plotting with large datasets.

New technology (16.7.2)

Spatial Modeling

Hydrology operators

This set of operators, including Fill Depressions, Calculate Flow, Calculate Flow Concentration, Accumulate Flow and Find Watersheds, have has undergone a common set of improvements for performance, scalability and problem diagnosis, including:

- Improvements in handling of intermediate cache files
- Introduction of logging that can be configured on-site to assist in diagnosing issues
- Other miscellaneous fixes and optimizations

Fill Depressions operator

The final flow map produced within the operator is now exposed as an output port. In some models this will eliminate the need to subsequently use the Calculate Flow operator, improving performance of the model.

Drainage Basin Delineation sample model

This model has been divided in two to better represent suitable usage:

- One model (Calculate Flow for Hydrological Analysis) takes the input DEMs and produces a flow map
- The other model (Delineate Drainage Basins) takes a flow map and performs subsequent analysis. Any number of analytical models may be run from the flow map produced by the first model.

In addition, options have been added to the models to help correct various data issues that might arise:

- Provision of a clip boundary that could be used (for example) to identify the coastline
- Ability to bring negative elevation values up to sea level

A correction was made to the sample model related to proper retention of drainage basin IDs, and a performance improvement made in achieving the Raise Terrain capability.

New technology (16.8)

General

Digital signing

GeoMedia components are now digitally signed for improved security.

Coordinate reference systems

Support for EPSG codes has now been updated from version 9.8.15 to version 10.081 of the EPSG Geodesy Dataset. Support has been added for approximately 500 new EPSG codes as well as 46 new datum transformation entries in autodt.ini related to some of these new EPSG CRS codes.

Cursors

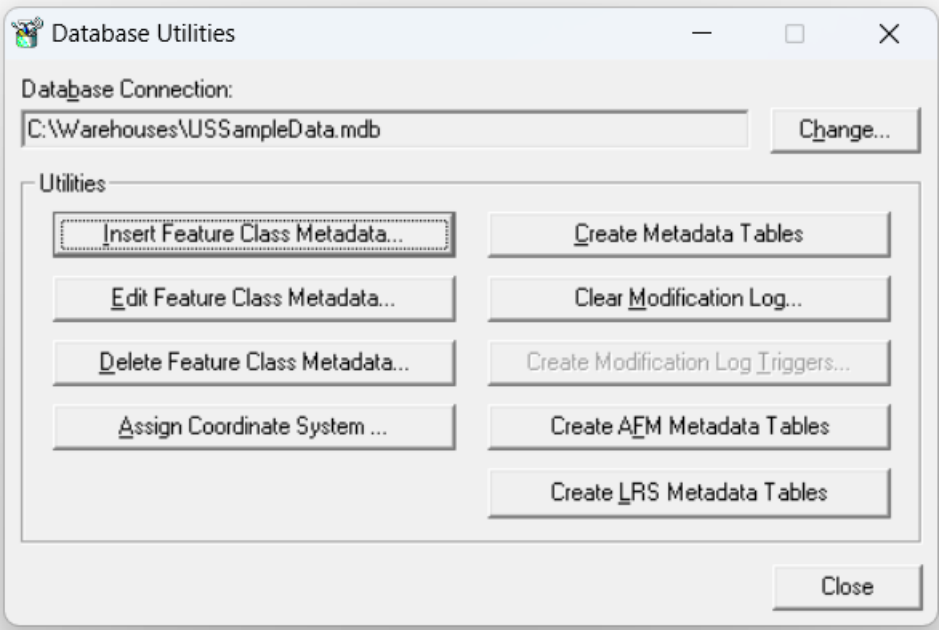
Many of the cursors used by commands, especially those used in data capture such as the crosshair cursors with snaps, are now two-tone black and white so that they are visible regardless of the colors behind them that they are moving over.

Data access

Database Utilities utility

This utility now offers a Create AFM Metadata Tables button that provides an additional convenient and consistent way to prepare your database with the infrastructure necessary to use the Advanced Feature Model (AFM). Previously existing means of creating these tables, such as execution of scripts for Oracle, remain available for use.

This utility now offers a Create LRS Metadata Tables button that provides an additional convenient and consistent way to prepare your database with the infrastructure necessary to use a Linear Reference System (LRS). Previously existing means of creating these tables, such as execution of scripts for Oracle, remain available for use. This capability is enabled only when GeoMedia Transportation Manager is installed, and it is available only for those database types supported by GeoMedia Transportation Manager – Access, Oracle, Oracle LTT, SQL Server and SQL Server Spatial.



Transaction Administrator utility

This utility now makes it easy to automatically secure AFM connectivity and associated tables when securing the primary tables. When the “Auto secure/unsecure dependent tables” checkbox is checked, these tables are now automatically included, and when it is unchecked, a message is presented indicating which related tables must be secured.

Geospatial PDF data server

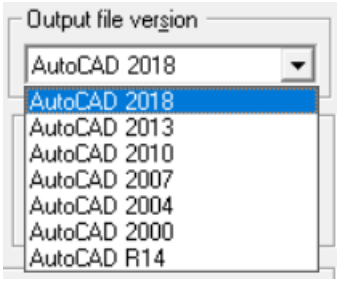
Drag-and-drop of Geospatial PDF files for creating warehouses and legend entries is now supported when GeoMedia PDF is installed.

CAD data server

Drag-and-drop of CAD Server Schema Definition files (*.csd) for creating warehouses and legend entries for AutoCAD and MicroStation data is now supported.

Export to AutoCAD command

This command now supports export to AutoCAD 2018 format, defaults to that version for output and lists the AutoCAD version numbers in the order of their release.



ExportToShapefileService object

This API now provides properties that permit control of more aspects of the output shapefile format than previously. See the GeoMedia Object Reference for more information.

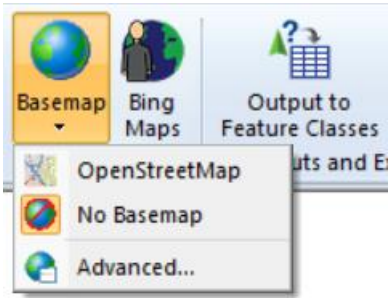
Map display

Raster

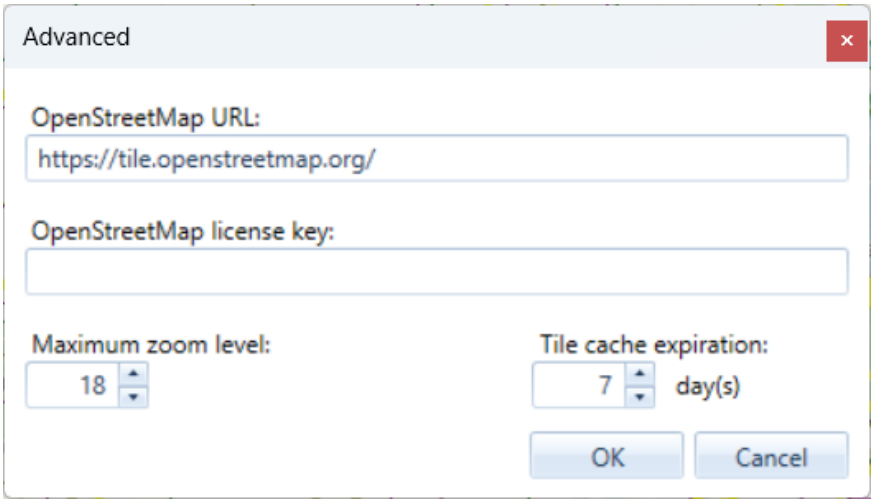
GeoTIFF tags within ECW files are now recognized when georeferencing imagery.

Basemaps

A new basemap capability for map windows is provided on the Manage Data ribbon tab, External Maps panel, for all three tiers of GeoMedia Desktop. It offers the ability to display OpenStreetMap (OSM) tiles as a basemap for a map window, serving as a background for the map display controlled by the legend.



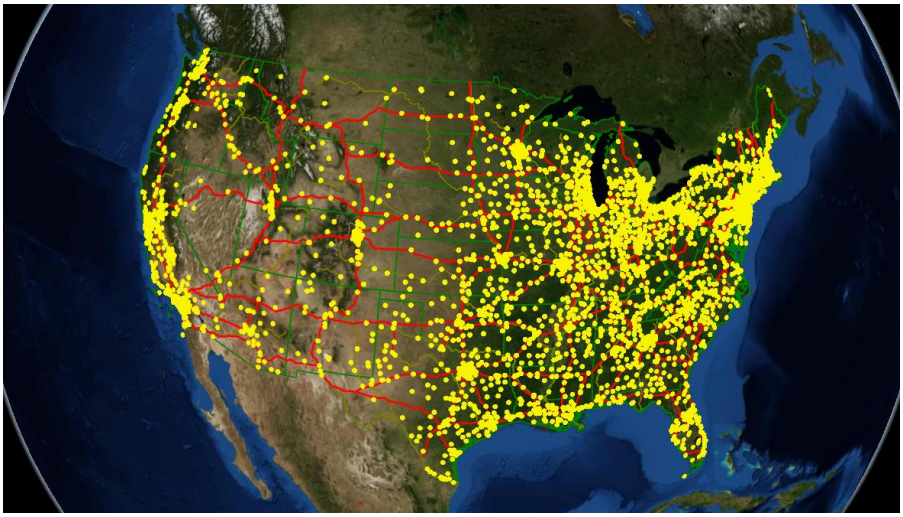
Basemap display may be turned on and off independently in each map window, and the specific OSM site (URL) used may vary by map window as well via the Advanced command for basemaps. If an OSM site requires a license key, it may also be entered on the Advanced dialog.



When a basemap is made active in any map window, the Coordinate Reference System (CRS) of the GeoWorkspace is automatically set to EPSG Code 3857 (aka “Web Mercator”).

3D capabilities

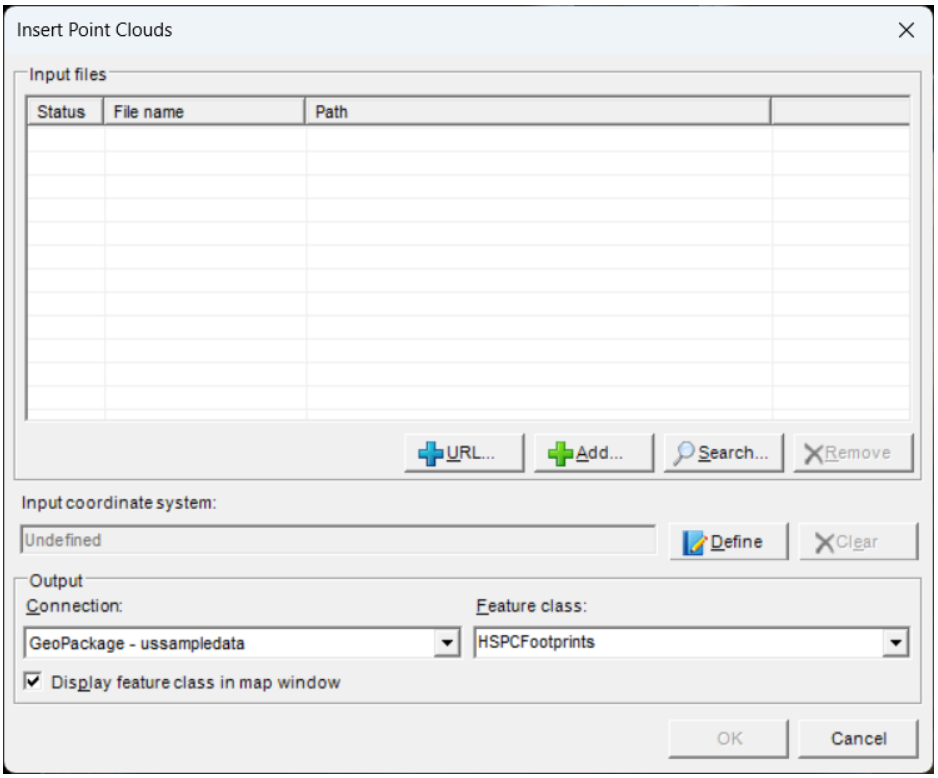
A new 3D display toggle command for map windows is provided on the Home ribbon tab, Window panel. It swaps the display of the map window from 2D mode to 3D mode. In 3D mode it provides a globe display serving as a background for the map display controlled by the legend. Only a single map window may be in 3D mode at a time.



Raster data in the map window is draped over the surface provided by the globe, and vector data is also draped by default. Point clouds and OGC 3D Tiles that have been added to the GeoWorkspace are also displayed by default when in 3D mode.

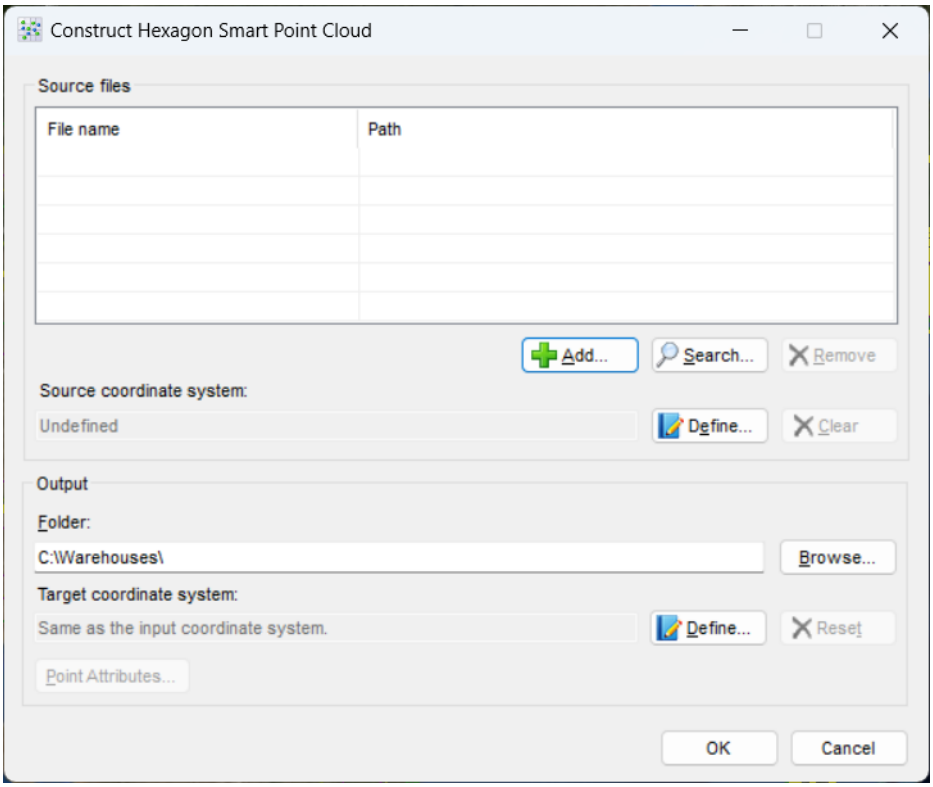
These commands are provided for adding 3D data into the GeoWorkspace:

- **Insert Point Clouds:** This command inserts Hexagon Smart Point Cloud files into a read-write warehouse connection, creating 2D footprint geometries and storing metadata for each file as an individual feature. The 3D data referenced by the footprint feature may then be visualized in the 3D map window.
- **Insert OGC 3D Tile**s: This command inserts OGC 3D Tile files into a read-write warehouse connection, creating 2D footprint geometries and storing metadata for each file as an individual feature. The 3D data referenced by the footprint feature may then be visualized in the 3D map window.



Each of the above 3D file types may also be dragged and dropped into the GeoWorkspace and attached to the GeoWorkspace itself.

A new Construct HSPC utility is provided on the Start menu. This utility constructs an output Hexagon Smart Point Cloud (HSPC) file from source LAS/LAZ files. The output HSPC files may be inserted into a warehouse or attached to a GeoWorkspace. This utility may also be invoked on a command line.



Data capture

Select Set Properties

This command now provides a calendar control for selecting values for Date attributes.

Extend command

This command is now operationalized, so that its behavior may now be customized through AFM operations.

This command now offers the option to operate in object-action mode. This means that you may select a geometry to extend before invoking the command, and it will immediately begin extending the chosen geometry. Use the tab key to toggle which end to extend. When the extend is complete, the command terminates. If no item is in the select set at the time the command is invoked, then it continues to operate in action-object mode as in the past.

System requirements

Computer/processor	Any x64-based processor To use the 3D map window mode, a quad-core CPU is recommended for optimal performance

Memory (RAM)	16 GB or more recommended
Disk space[1]	10 GB for software
Operating systems[2]	• Windows 10 (64-bit) • Windows 11 • Windows Server 2016 (64-bit) • Windows Server 2019 (64-bit) • Windows Server 2022

Graphics displays	Using the new 3D map window mode requires elevated system resources. The following are recommended for optimal performance:
	• OpenGL: 4.2 or above
	• Dedicated graphics memory: 1GB or more
	• Graphics card: a recent NVIDIA (or AMD) GPU
	  ○ GeForce GTX 6xx or better
	  ○ 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 2023
Database servers[3]	• Oracle Server 12c (12.2.0.1) • Oracle Server 18c (12.2.0.2) • Oracle Server 19c (12.2.0.3) • SQL Server and SQL Server Express 2014 • SQL Server and SQL Server Express 2016 • SQL Server and SQL Server Express 2017 • SQL Server and SQL Server Express 2019 • SQL Server and SQL Server Express 2022 • Azure SQL Database compatible with SQL Server 2014, 2016, 2017 or 2019 • PostgreSQL 11 with compatible version of PostGIS

	• PostgreSQL 12 with compatible version of PostGIS • PostgreSQL 13 with compatible version of PostGIS • PostgreSQL 14 with compatible version of PostGIS • PostgreSQL 15 with compatible version of PostGIS
Database clients[3]	• Oracle Server 12c (12.2.0.1), 32-bit[4] and 64-bit[5] • Oracle Server 18c (12.2.0.2), 32-bit[4] and 64-bit[5] • Oracle Server 19c (12.2.0.3), 32-bit[4] and 64-bit[5] • 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 Feature Accessor option for Oracle in the PublishIFC utility, or 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 PublishIFC requires the Oracle Data Provider for .NET, and 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 (16.7.1)

Support ticket	Description
00029072	The Join Features operator fails to run in Spatial Model Editor with a specific model.
00027261	The MapInfo data server fails to correctly serve MapInfo data containing fields of type LargeInt.
00023387	The GPS Tracking command produces incorrect results with German (OS) regional settings when Sensor API is used.
00034952	There is a performance regression in the FGDB data server when adding a legend entry.
00027323	The color of the linear style definition is wrong when presented in the legend key, under specific conditions.
00022805	Export to MapInfo Interchange Format fails to correctly target the output folder if the folder name contains a period character.
00034954	Unable to edit geometry or attributes via Join query.
00037064	Attributes are not exported on Windows 10 with ExportToAutoCADService in a standalone application.
00039253	The WMS data server fails to serve the full world extent for WMS version 1.3.0 for EPSG:4326.
1-U37IUX	The LRS Precision Location command can hang for SQL Server Spatial data.
00023030	The Queued Edit dialog displays the wrong status name in the status field when selecting the QuickStatus dialog button.
00022913	Dynamic Segmentation queries that use event data attached through the Access data server may fail to load when opening GeoWorkspaces.
00047672	The Capture capability of the Associate Catalog Records command fails for Oracle features.
00023176 00023165	The Properties dialog and Coordinate System dialog fail to open after moving from a multi-monitor configuration to a single-monitor system configuration.
1-KV1NET	Secondary point Dynamic Segmentation may fail if a first segmentation query has a single missing segment.
1-WT8KZ1	A crash occurs when using the mouse wheel to pan and zoom when dynamic labels are displayed.
00067578	LRS Precision Location readout fails for certain loop geometry conditions.
1-TURO3D	LRS Precision Location command has problem with refreshing the map window.
00062324	In Database Utilities, enlarging the Features Properties dialog of Edit Feature Class Metadata causes the Picklist Button to move
00027270 00027294	The LRS Precision Location command may not display the expected mapview marker point and measure readout for certain data.
00058672	The Select Set Properties command takes 60 seconds on a feature with picklists instead of 1 second for the same feature previously.
00058535	The Attribute Query command may get an error outputting a query to the map window for certain data.
00049249	Batch Plotting gets an error when selecting/typing standard resolutions using the export functionality with the German language pack.
00056835	Adjustments are needed for text in the Home and Manage Data ribbon tabs in the German language pack.
00055743	There is missing text in the Home ribbon tab for window commands with the German language pack.
00055704	GeoMedia crashes when a spatial filter is used with a Unique Value thematic legend entry and features are selected in the map window.
00053934	Overview & Adjoining maps no longer display correctly when output from Batch Plotting.
00027332	On the Grid ribbon tab, Study Area panel, Export to XYZ appears to produce incorrect output for some data.
00023231	The record count displayed in the Data Window is truncated in German if greater than five digits in size. (Resolved in the German language pack.)
00063436	The Select Set Properties command presents an error “ORA-01000: maximum open cursors exceeded” when there are picklists.
00067551	Insert Feature command produces a modification log error after upgrade to 16.7.

Issues resolved (16.7.2)

Support ticket	Description
00023512 00023133 00030245 00068761 00069237	Text in WMS maps is too small when printed.
00083256	A join query unloads when hovering over the joined feature class in a map window.
00077444	Library Organizer produces an error when exporting a legend containing a Resolve Text Conflict labeling query.
00095361	Fence Select fails to highlight/select corresponding data window rows.
00023231	The total count of records in the data window is truncated in German if more than five digits in size.
00078756 00105448 00109561	The Redigitize Geometry command fails to edit geometry from a thematic legend entry.
00096487	In the legend window, font styles are not displayed correctly after installing GeoMedia Desktop 2022 Update 1.
00107837	The Move Geometry and Spin Geometry commands cause the map legend entries to refresh.
00096717	Viewing Oracle GeoRaster images in GeoMedia 2022 fails.
00064350	Export of layout sheets to binary TIFF and GeoTIFF through Batch Plotting and the Export Layout command does not work correctly for resolutions higher than 300 dpi with raster style properties set to translucency greater than zero or “Transparent color” option set.
00099813	The Validate Feature Classes command of AFM has a performance degradation against queries.
00118179	Analytical Merge queries unload on locate (mouse over) in the map window.
00125831	Use of AFM Picklists with user-defined filter string results in application crashes.
00120484	Attribute query notification failure when first write operation is a delete.
00139550	Using specific data with the Run Spatial Model command results in large arc geometry.
00142453	GeoMedia Viewer 16.7.2 does not match with German Language Pack 16.7.2 at one of the download locations.

Issues resolved (16.7.3)

Support ticket	Description
00147011	The Output to GeoTiff command creates an incorrect Raster to World matrix resulting in misaligned GeoTiff image placement.
00121480	The Output to GeoTiff command creates different georeference information between header and TFW.
00149391	Refresh with Warehouse Changes command crashes GeoMedia in certain circumstances.
00070643 00108792	Picklist values are no longer sorted in GeoMedia Desktop 16.7.
00140113	Database Utilities provides an unhelpful message and exits when connecting to an Access database that has no GeoMedia metadata.
00134819 00106399 00145853 00151229	GeoMedia intermittently fails with vtest6.ocx registration message on some systems while digitizing features.
00146730`	The Analyze Geometry command produces Area and Perimeter values that are truncated on the Select Set Properties dialog.

Issues resolved (16.8)

Support ticket	Description
00068141	When running Database Utilities, the Insert Metadata capability fails to detect a sequenced primary key as autonumber for PostgresSQL 12.0 or higher.
1-94L57W	Incompatibility of GTM and AFM triggers.
00062327	Uninstall of GMD 2020 and install of GMD 2022 causes Start menu residuals for 2022 (missing links).
1-94L57W	AFM and Oracle LTT have an incompatibility in their database scripts.
00022838	Define Coordinate System File utility fails to correctly read .prj file resulting in incorrect coordinate system parameter.
1-8MIUA8	Unable to read ESRI Project Coordinate System file.
00022874	The 'Duplicate feature' anomaly type of the Validate Geometry command ignores the 'Check attribution' property.
00036591	Export to AutoCAD produces empty point output when block reference name contains spaces.
1-BNWIXU	Export to AutoCAD crashes with specific multi-line Rich Text Format (RTF) text.
00063056	Export to AutoCAD has problems exporting DWG block attributes containing certain cedilla type characters.
00051714	Export to AutoCAD does not correctly export Hebrew annotations (text geometry).
1-BC1D6C	The "Fast Pan" setting is not honored when scrolling with the mouse wheel.
00130841	Export to AutoCAD produces a "Bad file name or number" message when appending to specific text style names.
00107835	Refresh All does in the Explorer window does not update the tree after inserting/deleting a feature class.
00008938	GeoMedia should digitally sign the executables and dependent files that it installs.
00070643 00108792	Picklist values are not sorted with16.7 are they were with 16.6 and 16.5.
00023431	Output To Feature Classes fails to output 'circle' area features with error "Polygon must have closed rings" when target connection is PostGIS.
00106160	Publish to Map command for KML does not produce properly displayed placemark names in some cases.
00059247	Long attribute values are truncated in the Show Values list of the Filter dialog of the Attribute Query command.
00129872	The BMP and PNG Export Options dialogs of the Layout Export command have truncated text when using the Polish language pack.
00091112	The Trace Definition Properties dialog fails to order feature class names in the Trace parameters grid.
00023087	When a warehouse connection is renamed through the Warehouse Connections command, the Query name for a feature class not altered for the CustomPropertiesAdvisor.
00115650	The DefaultJCache registry entry is not created with installation of GeoMedia Objects.
00058007	The Move Geometry command fails for the currently displayed geometry after renaming a warehouse connection.
00131496	SQL Server Spatial data server uses excessive memory if configured to use only native geometry fields.
00135357	The Configuration Wizard utility checks for a GeoMedia Professional license when run for GeoMedia Objects.
00140113	The Database Utilities utility provides an unhelpful message and exits when connecting to an Access warehouse containing no GeoMedia metadata.
00022799 00063929	Using the Move command then interacting between map and layout window can result in a crash.
00139789	Attempting to run the Configuration Wizard after removal of a language pack results in a .NET framework error.
00088888	When running the Display CAD Files command and choosing "Select levels to display", the levels are listed in seemingly random order.
00138563	The Features Input operator of Spatial Modeler is unable to successfully serve Oracle features if the Esri user-defined type ST_GEOMETRY is present in any table of a database lacking GeoMedia metadata.
00022854	The Detect Void Areas command appears to process even when no output connection has been selected.
00027293	Copy and Paste from the Data Window to Excel is failing to copy all records when data values have a beginning quote but no ending quote.

Support ticket	Description
1-9BZL5H	API documentation for GeometryPlacementService.DynamicPoint return values is missing.
00146730	The Select Set Properties command is displaying truncated floating-point numbers for attributes produced by the Analyze Geometry command for Area and Perimeter values.
00022921	When using the Edit Geometry command, use of the X,Y construction aid results in the geometry Z value being changed.
00134819 00106399 00145853	The Insert Feature command intermittently fails with a vtest6.ocx registration message on some systems while digitizing features.
00022820	The Image Style property "TransparentColor" does not work for Color Index binary TIFF files, it gets inverted when inserted into GeoMedia.
00022845	A binary raster GIF file displays inverted due to not honoring the transparency color, and binary LZW compressed plots get inverted.
00027276 00131375	GeoMedia fails to display specific CCITT Group 4 images.
00140459	Saving and restoring Grid legends doesn't work with German regional settings.
00132995	The licensing panel of the Configuration Wizard references an incorrect licensing URL.
00022995	The XY construction aid of the Insert Feature command does not always place a point when using the <Enter> key.
00149391	The Refresh with Warehouse Changes command crashes GeoMedia under certain circumstances.
1-M3OVN9	ECW files with opacity bands are now properly displayed with the correct number of bands.
1-4WCFYP	Error while reading Lambert Conformal Conic GeoTIFF in the southern hemisphere.
1-AZWSS4	The Insert Georeferenced Images command crashes with NITF data when it is untiled and the block size is zero.
00060981	The Attribute Query command produces an error when a query is created using a feature class selected from Categories after reopening the Warehouse Connection.
00044124	The Associate by Proximity command does not associate points in a geometry collection.
00023354 00043359	The "Show values" button of the Attribute Query command provides poor performance on a large feature class that is in a category.
00022866 00027342	Export to FGDB fails with warnings for graphic features derived from non-graphic sources.
00027280 00112277	The utility SmartPub.exe cannot be launched from the Command window.
00139847	The Output to Feature Classes command has poor performance outputting to an AFM-enabled SQL Server warehouse.
00153169	Raster files are locked even after GeoWorkspace references to them have been removed.
00132244	Use of the Trace command results in an error for certain data sets with an AFM-enabled PostGIS warehouse.
00152124	The Change Feature Class command yields an AFM pservice Load Resource error.
00027255 00137562	Some assemblies in the GeoMedia delivery do not use a .NET Strong Name.
00024563	Export to Shapefile has a performance problem for certain Oracle views.
00079182	Spatial query returns incorrect results for a certain dataset.
00023336	The Publish to GeoMedia SmartStore utility crashes or yields corrupt DDC data when using the DateTime2 data type from SQL Server Spatial.
00108404	With the Polish language pack installed, the Insert Feature command truncates certain combobox values for arc placement modes.
00022891	The Insert Feature command can produce an angle calculation error using the "Perpendicular to" construction aid.
00023120	With the Polish language pack installed, the Insert Feature command truncates certain combobox values for Place Circle.
00022826	When running the Insert Feature command, the Orthogonal construction aid may fail to produce orthogonal output if the locate cursor is close to a previous segment of the line being inserted.
00023216	When saving a GeoWorkspace, the correlation between north arrow and map window is not correct when there are multiple map windows and a layout window exists in the GeoWorkspace.
00022769	The CAD data server displays certain MicroStation elements incorrectly.

Support ticket	Description
00118085	The Proportion Geometry command does not correctly read options for a previously defined sideline feature class.
1-JMOUPS	The Proportion Geometry command ignores the digitizing option for the Properties dialog if using German regional settings.
00027322	ExportToDesignFileService cannot export linkages from .NET code.
00022972	The Export to FGDB command fails when the feature class selected for export contains a diacritic character in the feature class name.
00023017	The Export to FGDB command produces an error when exporting to File Geodatabase using EPSG code 6455.
00153307	The Export to FGDB command produces an error when exporting to File Geodatabase using EPSG code 7855.
00155707	The Select Tool corrupts the selection geometry when selecting and zooming simultaneously.
00022768	The Export to Oracle command writes diacritic characters to the .dat file incorrectly.
00027317	Layout window ribbon buttons for select behavior do not activate correctly between ribbon and toolbar.
00106172	An error message for AFM disassociation while breaking features is incomplete.
00148103	GeoMedia delivers the End-Of-Life/Obsolete redistributable package for Microsoft Visual C++ 2010.
00023181	The LegendView control provides inconsistent display of grouped legend entries.
00070794 00084487 00089835	The Resolve Text Conflicts command runs indefinitely when bold font is selected for output.
00022880 1-9JB8UV	The FGDB data server cannot connect to an FGDB dataset that has only nongraphic feature classes.
1-JMOYHG	The Proportion Geometry command presents a confusing and incorrect status message concerning Parcel Options.
00027299	An error is presented in the layout window when running the Map Properties command and rotating a north arrow with French regional settings.
1-AVYDG4	The Linear Link Zoom command fails if using German regional settings.
00022852	The Linear Link Quality Analysis command fails when region and language settings use a comma as the decimal symbol.
1-AUOE4L	The Add Links command fails if using German regional settings.
00022818	The layout window ribbon, once undocked, fails to display after being closed.
00022871	The Schema Remodeler utility produces errors and no output when using the option to ‘Clear all existing records in target tables’ with output to a PostGIS warehouse.
00118410	The Sequential Attribution command fails to show previous settings.
00027333	The Schema Remodeler utility cannot consume WFS services.
00027304	The Copy, Cut and Paste commands are not working correctly in the layout window using the French language pack.
00143826	Errors occur with Trace Definition Properties when using a named spatial filter with PostGIS.
00131314	The WFS data server fails when setting a spatial filter with the Norwegian Mapping Authority WFS implementation when there are two point geometry fields.
00073119	MultiSurface features are displayed incorrectly by the GML data server.
00057381	The Spatial Filter Reference Features command produces an error message when a geometry field is named differently from "Geometry" when using a Search based on a spatial filter reference feature from a library.
00023108	A change to the Style Properties (specifically symbol color) for a legend entry is not reflected in the legend entry icon or map window display when the color is changed to black.
00022745	During map display the Picture Style 'OverrideColor' defined using an Attribute-based expression is changing based on zoom scale.

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