Release guide

GeoMedia Transportation Manager 2022 Update 1

Version 16.7.1
30 May 2022

Contents

About this release

This document describes the enhancements for GeoMedia Transportation Manager 2022 Update 1.

This release provides compatibility with GeoMedia Desktop 2022 and other underlying platforms, as well as enhancements and fixes. For information on new features, see the New Technology section. For information on fixes, see the Issues Resolved section.

This document is only an overview and does not provide all the details about the product's capabilities. See the online help and other documents provided with GeoMedia Transportation Manager for more information.

GeoMedia Transportation Manager provides the key geospatial technology to help professionals in Departments of Transportation (DOTs), rail companies, waterway agencies, and pipeline operations to efficiently analyze and maintain transportation infrastructure. Functionality is included for building and maintaining a linear network model that will support a linear referencing system (LRS), multilevel linear referencing system (MLRS), and vehicle routing applications.

New platforms

GeoMedia Desktop

GeoMedia Desktop 2022 is required for this release.

Oracle

Oracle 19c is now supported.

SQL Server

SQL Server 2019 is now supported.

New technology

General

Licensing

A new product license is required for the 2022 release. The latest Geospatial License Administration tool should be downloaded and used for this release.

High-DPI monitors

A manifest is now delivered that instructs Windows 10 to run GeoMedia using the high-DPI scaling override mode of “System” so that when running with Display Settings that scale the size of text, apps, and other items to greater than 100%, the system will automatically adjust to counteract certain negative effects of that scaling and GeoMedia will present better on high-resolution monitors.

System requirements

Computer/processor	Any x64-based processor
Memory (RAM)	16 GB or more recommended
Disk space	1 GB for software Data storage requirements vary by mapping project[1]
Operating systems[2]	• Windows® 10 (64-bit) • Windows Server® 2016 (64-bit)[2] • Windows Server® 2019 (64-bit)[2]
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 to be issues with the virtualization software.
Database servers[6]	• Oracle® Server 12.1 • 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 2012 • 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 • Azure SQL Database compatible with SQL Server® 2014, 2016, 2017, or 2019
Database clients[6]	• Oracle® Client 12.1, 32-bit[3] and 64-bit[4] • Oracle® Server 12c (12.2.0.1), 32-bit[3] and 64-bit[4] • Oracle® Server 18c (12.2.0.2), 32-bit[3] and 64-bit[4]

	• Oracle® Server 19c (12.2.0.3), 32-bit[3] and 64-bit[4] • SQL Server Native Client 10.0 or higher[5]

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] 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.

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

[5] SQL Server Native Client 10.0 or higher is needed in order 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.

[6] 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.

Issues resolved (16.6 Update 1)

Support ticket	Description
00059492	The Copy LRM Segments command does not copy user-defined field values.

Issues resolved (16.7)

Support ticket	Description
N/A	N/A

Issues resolved (16.7 Update 1)

Support ticket	Description
00023012	The attribute properties dialog fails to validate fields and input values during MLRS LRM Editing.
00022949	Event Conversion issue when defining Event Coordinate System.
00022733 00031452	The Insert LRM Segment command can cause data corruption if using an existing geometry of a Composite Polyline containing arcs.
00022911	Event Conversion fails to convert events for Oracle data if the referencing LRS has record(s) with null geometry.
00022860	The Create Intersections and Midblocks command creates output fields too small to accept values,
1-JV24BJ	Undo does not work for various LRM Editing commands when data is stored in Oracle.
1-S569ZE	Notification updates to an Event Conversion query can result in application termination.
00023099	LRS Event Conversion can result in an application crash.
00023033	Multilevel LRS Conflation fails to correctly map source Boolean values to the LRM GeometryReversed field
1-DOG9MU	LRS Event Conversion results in Status1 Unable to locate event. Matching measure has zero length.
1-ASCFY8	LRS Calibration is not working when concurrent routes are in a Display LRM query.
1-KMRAH6	Interactive Calibration of a loop route results in reversed geometry.
1-65J0IN	Create Intersection Markers command returns 'Out of Memory' error.
1-1687798051	Notification updates to an Event Conversion query may result in a crash.

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