



**HEXAGON**

Release Guide

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# **Release Guide**

GeoMedia Advanced Collection 2020

Version 16.6  
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## About This Release

This document describes the enhancements for GeoMedia Advanced Collection 2020. Although the information in this document is current as of the product release, see the Hexagon Geospatial Support website for the most current version.

This release includes both 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 Advanced Collection for more information.

GeoMedia Advanced Collection provides comprehensive data capture and data validation capabilities. The product can be used with either GeoMedia Advantage or Professional and includes capabilities to support the Multinational Geospatial Co-production Program (MGCP) and other international specification-driven collection programs. In addition, the GeoMedia Advanced Collection product provides an interface to execute the third-party (GAIT) validation software package that is required by the MGCP program.

This product, introduced with the GeoMedia 2016 release, provides capabilities formerly available through the GeoMedia Feature Topographer and GeoMedia Digital Cartographer products.

## New Platforms

### GeoMedia Desktop

GeoMedia® Desktop 2020 is required for this release.

### Oracle

Oracle 18c is now supported.

### SQL Server

SQL Server 2017 is now supported.

## New Technology

### General

### Licensing



A new product license is required for the 2020 release. The latest Geospatial License Administration tool should be downloaded and used for this release.

## System Requirements

Computer/ Processor	<ul style="list-style-type: none"> <li>64-bit: Intel 64 (EM64T), AMD 64, or equivalent</li> </ul>
Memory (RAM)	<ul style="list-style-type: none"> <li>4 GB minimum, 8 GB recommended</li> </ul>
Disk Space	<ul style="list-style-type: none"> <li>10 GB for software</li> <li>Data storage requirements vary by mapping project<sup>1</sup></li> </ul>
Peripherals	<p>Software security (Hexagon Geospatial Licensing 11.14.0) requires the following:</p> <ul style="list-style-type: none"> <li>Ethernet card</li> </ul>
Operating Systems <sup>2</sup>	<ul style="list-style-type: none"> <li>Windows® 10.0 Professional (64-bit)</li> <li>Windows Server® 2016 (64-bit)<sup>2</sup></li> <li>Windows Server® 2019 (64-bit)<sup>2</sup></li> </ul>
Virtual Server and Virtual App Technology	<ul style="list-style-type: none"> <li>VMware ESX 5.1</li> <li>Oracle VM Virtual Box</li> <li>XenApp 7.6</li> </ul>
Database Server Engines	<ul style="list-style-type: none"> <li>Oracle® Server 11g, 32-bit and 64-bit, at least version 11.2.0.4</li> <li>Oracle Express 11g, at least version 11.2.0.4</li> <li>Oracle® Server 12.1</li> <li>Oracle® Server 12.2</li> <li>SQL Server® 2012, 64-bit</li> <li>SQL Server® Express 2012</li> <li>SQL Server® 2014, 64-bit</li> <li>SQL Server® 2014 Express</li> <li>SQL Server® 2016, 64-bit</li> <li>SQL Server® 2016 Express</li> <li>SQL Server® 2017, 64-bit</li> </ul>

	<ul style="list-style-type: none"> <li>• SQL Server® 2017 Express</li> </ul>
Database Client Engines	<ul style="list-style-type: none"> <li>• Oracle Client 11g, 32-bit<sup>3</sup></li> <li>• Oracle Client 12.1, 32-bit<sup>3</sup></li> <li>• Oracle Client 12.2, 32-bit<sup>3</sup></li> <li>• SQL Server Native Client 10.0 or higher<sup>4</sup></li> </ul>

## System Requirements Notes

<sup>1</sup> 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.

<sup>2</sup> GeoMedia runs on 64-bit systems in 32-bit emulation mode.

<sup>3</sup> 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 typically 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.

<sup>4</sup> The 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 will 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 (16.5 Update 1)

CR #	Summary	Description / How to Reproduce
00029640	Export Features to Shapefile fail to honor settings from Advanced Collection Set MGCP Defaults tool utility	<p>Shape files created by GI Toolkit, Export Features command ignore MGCP Defaults settings and do not create required fields for FCODE and UID.</p> <p>User has used the GeoMedia Advanced Collection, Set MGCP Defaults tool / utility to set the Settings Type to the "MGCP Defaults" option. Using the MGCP Defaults type option automatically sets various output attribute field options needed for MGCP format.</p> <p>The user notes that the expected FCODE and UID attribute fields are not exported and populated to output shapefiles produced by the GI Toolkit tab, Export Features command. The FCODE and UID fields do not appear at all in the exported data despite the settings used in the Set MGCP Defaults tool in GeoMedia Advanced Collection.</p>

## Issues Resolved (16.6)

CR #	Summary	Description / How to Reproduce
N/A	N/A	N/A

## Deprecated

The Windows 7.0, Windows 8.1, and Windows Server 2012 operating systems are no longer supported.



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Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous — ensuring a scalable, sustainable future.

[Hexagon's Geospatial division](#) creates solutions that deliver a 5D smart digital reality with insight into what was, what is, what could be, what should be, and ultimately, what will be.

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