



# GEOMEDIA

## INSTALLATION GUIDE

Version 16.5

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**CUSTOMERS.** Globally, a wide variety of organizations rely on our products daily including local, state and national mapping agencies, transportation departments, defense organizations, engineering and utility companies, and businesses serving agriculture and natural resource needs. Our portfolio enables these organizations to holistically understand change and make clear, reliable decisions.

**TECHNOLOGY.** Our priority is to deliver products, platforms and solutions that make our customers successful. Hexagon Geospatial is focused on developing technology that displays and interprets information in a personalized, meaningful way. We enable you to transform location-based content into dynamic and useable business information that creatively conveys the answers you need.

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# Overview of GeoMedia Installation

The *GeoMedia® Installation Guide* provides information for installing and configuring the GeoMedia product tiers, products, and extensions.

## Major and Minor Releases

You must completely remove older versions before installation of a major release version. For example, GeoMedia Desktop 16.5 is a major release and requires that you remove older versions of GeoMedia applications. This section discusses further differences and explains how to identify your software version.

Both major and minor software releases contain enhancements and fixes. Major releases may contain more enhancements across a wider area of functionality while minor releases are more limited to the areas specifically being addressed for the release.

Major releases are full product releases that are made available for delivery on a DVD and also available for direct download from the Web. Minor releases are available for direct download from the Web, typically from Hexagon Geospatial support product information pages (see also: *Customer Support Portal* <http://www.hexagongeospatial.com/support>).

You can also go to the *Customer Support Portal* <http://www.hexagongeospatial.com/support> of your product for information and for downloading minor releases. See the *Technical Support and Information* (on page 65) section of this document for instructions on accessing the support product pages.

## Before You Install GeoMedia

- Verify that your system meets or exceeds the requirements for GeoMedia 16.5 listed in the *GeoMedia Release Guide* document (accessed from the **Hexagon Geospatial Setup Manager** dialog box or the product Support page on the *Customer Support Portal* <http://www.hexagongeospatial.com/support>). GeoMedia runs on Windows® 7, Windows® 8.1, Windows® 10, or Windows Server® 2012.
- Verify that you have Microsoft® .NET Framework Version 4.0 or higher installed on your system before installation.

If you do not have .NET installed, attempting to run *Setup.exe* will cause an error. If this occurs, you can run *Setup.vbs*, which automatically installs .NET, and then automatically runs *Setup.exe*.

- If you expect to use GeoMedia with ODBC Tabular projects, or with CAD data that has database attribute linkages, install the Open Database Connectivity (ODBC) drivers that are appropriate for the database-management systems you use with your data. You can get the appropriate ODBC drivers from your database system vendor.
- In order to use the Oracle® Object Model data server, you must load the Oracle client software before installing GeoMedia.



- Verify that you have administrator privileges on the system where you want to install GeoMedia.
- *Major Release:* You must remove any previous major release of GeoMedia before installing a new major release. You will not be able to install the new version over a previous version. Open **Programs and Features** in **Control Panel** and use standard procedures to remove any previous versions of the product.



To check the version of GeoMedia currently installed, go to **Control Panel** and use standard procedures to view the version number.

If viewed by Category, select **Programs > Programs and Features**.

OR

If viewed by Large Icons or Small Icons, select **Programs and Features**.

The product version can also be checked in the **About** by starting GeoMedia and selecting  > **Help > GeoMedia Desktop > About**.

## Loading GeoMedia on a 64-bit Operating System

This section provides the system administrator or end user with information on installing and deploying GeoMedia on a 64-bit operating system. GeoMedia is a 32-bit application, but it can be run on most 64-bit processors. Loading GeoMedia on a 64-bit operating system will result in a few changes in folder and registry entries.

When you run on a 64-bit operating system, you will need to know the following differences:

**Folder Location** - Folder structures for GeoMedia are different on 32-bit and 64-bit operating systems. On a 32-bit operating system, GeoMedia folders install under *C:\Program Files\Hexagon\GeoMedia*. On a 64-bit operating system, these folders install under *C:\Program Files (x86)\Hexagon\GeoMedia*.

**Registry Entries** - In a similar fashion, some GeoMedia registry entries are different on a 64-bit operating system. GeoMedia HKEY\_CURRENT\_USER registry entries are unchanged on a 64-bit system, but HKEY\_LOCAL\_MACHINE registry entries are in a different location. The new location for HKEY\_LOCAL\_MACHINE entries for GeoMedia on a 64-bit operating system is *HKEY\_LOCAL\_MACHINE > Software > Wow6432Node > Intergraph*.

## GeoMedia Document Set

The following documents are installed (or are available for installation) with the product, or they are provided on the delivery media:



Except where noted, the GeoMedia documentation set is delivered with GeoMedia Desktop (GeoMedia Professional, GeoMedia Advantage, and GeoMedia Essentials), GeoMedia Objects, and GeoMedia Viewer.

### **Developer Documentation**



GeoMedia Viewer does not deliver developer documentation.

Document	Description
<i>GeoMedia Command Wizard Help*</i>	A CHM file that contains information about using the Command Wizard to create C# or Visual Basic .net commands for GeoMedia-based applications, and to edit or delete command-set information.
<i>GeoMedia Object Reference</i> (GeoMedia Desktop and GeoMedia Objects)	A CHM file that contains the objects, methods, and properties in the software's automation layer.

\*Delivered with GeoMedia Desktop only.

To access these documents in GeoMedia Desktop, navigate from the **Start** menu to **Hexagon GeoMedia Desktop 16.5**.

To access the *GeoMedia Object Reference in GeoMedia Objects*, go to <drive>:\Program Files (x86)\Common Files\Intergraph\GeoMedia\Program\resdlls\0009 folder.



In this and similar selection paths in the documentation, *GeoMedia product folder* refers to the folder for the product you have, GeoMedia Desktop, GeoMedia Objects, or GeoMedia Viewer. Additional developer documentation can be found in the GeoMedia Developers Knowledge Base on the *Hexagon Geospatial Developer Network*  
<http://community.hexagongeospatial.com/t5/Developer-Network/ct-p/HGDN>.

### **GeoMedia Desktop User Documentation**



Document	Description
<i>GeoMedia Installation Guide*</i>	A PDF file that contains instructions for installing the products.

Document	Description
<i>GeoMedia Help*</i>	.A CHM file that contains instructions for using tools and commands.
<i>GeoMedia Release Guide**</i>	A PDF file that lists the product defects that have been fixed for the current release, the enhancements for the current release, and the supported software configurations (required and optional) for the products.

\* To access these documents, navigate from the **Start** menu to **Hexagon GeoMedia Desktop 16.5**.

\*\* To access this document, select the links on the **Hexagon Geospatial Setup Manager** dialog, look in the <drive>:\Program Files (x86)\Common Files\Intergraph\GeoMedia\Program\en folder, or go to the *Customer Support Portal* <http://www.hexagongeospatial.com/support> for your product.

You can also access the *GeoMedia Installation Guide* from the link on the GeoMedia **Hexagon Geospatial Setup Manager** dialog and *GeoMedia Help* from the product Application ribbon tab or through the F1 key as context-sensitive Help.

You can display context-sensitive Help on items in the application window by pressing F1 to display Help on the active window or dialog. You can also press SHIFT+F1. When you press SHIFT+F1, the mouse cursor changes to an arrow with a question mark . You can then select a ribbon item, toolbar, or area of a window or dialog. You can also open the Help table of contents by selecting  > **Help** > **<Product>** > **Help** or clicking the Help button at the upper right of the ribbon.



### **GeoMedia Objects Documentation**

GeoMedia Objects delivers the *GeoMedia Object Reference* CHM under <drive>:\Program Files (x86)\Common Files\Intergraph\GeoMedia\Program\resdlls\0009, and the *Deploying Applications Built with GeoMedia Objects* PDF under <drive>:\Program Files(x86)\Hexagon\GeoMedia Objects\Program\resdlls\0009.

### **GeoMedia Viewer Documentation**

Document	Description
<i>GeoMedia Installation Guide</i>	A PDF file that contains instructions for installing the product.

Document	Description
<i>GeoMedia Viewer Help</i>	A CHM file that contains instructions for using tools and commands.
<i>GeoMedia Release Guide**</i>	A PDF file that lists the product defects that have been fixed for the current release, the enhancements for the current release, and the supported software configurations (required and optional) for the products.

To access the first two documents, navigate from the **Start** menu to **Hexagon GeoMedia Viewer 16.5**.

You can also access *GeoMedia Viewer Help* from the product Application ribbon tab or through the F1 key as context-sensitive Help.

\*\* To access this document, select the links on the **Hexagon Geospatial Setup Manager** dialog, or go to the *Customer Support Portal* <http://www.hexagongeospatial.com/support> for your product.

### **Utilities Documentation**

Utilities Documentation consists of online-only documentation for the following delivered utilities (GeoMedia product folder > **Utilities**):

Utility	GeoMedia Professional	GeoMedia Advantage	GeoMedia Essentials	GeoMedia Viewer
<b>Batch Plotting</b>	X	X	—	—
<b>Database Utilities</b>	X	X	X	—
<b>Define CAD Server Schema File</b>	X	X	X	—
<b>Define Coordinate System File</b>	X	X	X	X
<b>Define Symbol File</b>	X	X	X	X
<b>Define Text File Server Format File</b>	X	X	X	—
<b>Define Warehouse Configuration File</b>	X	X	X	X

Utility	GeoMedia Professional	GeoMedia Advantage	GeoMedia Essentials	GeoMedia Viewer
<b>G/Technology Interoperability Utility</b>	X	X	X	—
<b>Publish Address Geocoding Index</b>	X	X	X	—
<b>Publish to GeoMedia SmartStore Warehouse</b>	X	X	X	—
<b>Schema Remodeler</b>	X	—	—	—
<b>Transaction Administrator</b>	X	—	—	—
<b>Spatial Model Editor</b>	X	—	—	—

You can access this online documentation by:

- Selecting the utility topic in **Help**.
- Pressing F1 while the utility is active.
- Selecting Help from the utility **Help** menu in the Batch Plotting, Define CAD Server Schema File, Define Text File Server Format File, Transaction Administrator, Publish to GeoMedia SmartStore Warehouse, Schema Remodeler and Spatial Model Editor utilities.



The way your user interface looks will depend on your operating system and how your System Administrator or you have configured your software. What you see at your machine may differ slightly from the examples shown in Help or other product documents.

## GeoMedia eTraining Links

Would you prefer to watch a video? Many of our workflows are showcased in short, to-the-point eTraining modules on the *Hexagon Geospatial Community* <http://community.hexagongeospatial.com>. We add new videos regularly, so check back often.



Visit our Community and check out the *videos* <http://community.hexagongeospatial.com/t5/GeoMedia/tkb-p/eTGeoMedia> for GeoMedia.





Also on our Community, check out our *Licensing videos*  
[http://community.hexagongeospatial.com/t5/Licensing/ct-p/KS\\_Licensing](http://community.hexagongeospatial.com/t5/Licensing/ct-p/KS_Licensing).



Raw videos not yet converted to eTraining modules are on the *eTraining Incubator*  
<https://www.youtube.com/playlist?list=PL3cpeZTQsqXeBFvr1nD8Z4tSCH13lADiw>.

## Installing GeoMedia Using Hexagon Geospatial Setup Manager

GeoMedia uses **Hexagon Geospatial Setup Manager** to install the software.

### Overview of Hexagon Geospatial Setup Manager

**Hexagon Geospatial Setup Manager** (*Setup.exe*) is a tool that you use to install and maintain Hexagon Geospatial software. Once the software is installed, you can also use the tool to perform the following software maintenance tasks:

- Modify
- Repair
- Remove
- Run configuration processes

If the following options are available for your site, you can also use **Hexagon Geospatial Setup Manager** to:

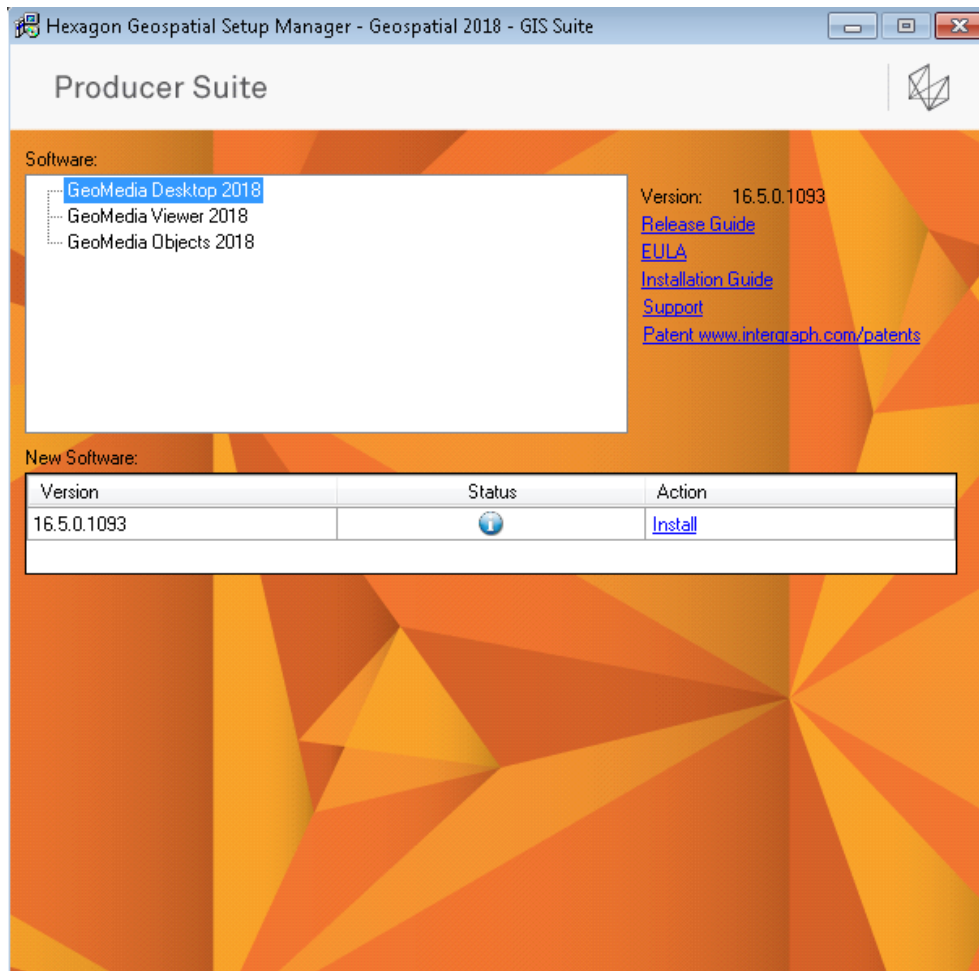
- Install complementary software.
- Run the installation process in batch or silent mode.



If you are an application developer who wants to create a complementary software setup for **Hexagon Geospatial Setup Manager**, see Complementary Software in *Installing GeoMedia in Silent Mode* (on page 48).

## Hexagon Geospatial Setup Manager User Interface

The **Hexagon Geospatial Setup Manager** dialog box opens when *Setup.exe* is invoked to start the installation process.



As you hover your cursor over an entry in the **Software** list, you see a descriptive tooltip.



### Manager

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#### Dialog Box Options

##### Software

The **Software** box displays the list of products that you can install. Select these one at a time to install or update software. When you select a product, the user interface updates to display the current status of the software installation, which is reflected in the **New Software** or **Installed Software** list.

##### Documentation

Listed under the **Version** number are links that provide access to information about the selected software. The **Support** link takes you directly to the *Customer Support Portal* <http://www.hexagongeospatial.com/support> website. If a document is not available for the selected software, the corresponding link is disabled.

##### Patent Link

If the software has one or more patents, the **Patent** link is available and takes you to the website where you can view the patent documents.

##### New Software or Installed Software

If no software products have been installed, the **New Software** box is displayed so you can install new software. Once software is installed, the label of this box changes to **Installed Software**. The **Version**, **Status**, and **Action** columns are explained below:

Version	Status	Action
<p>If you are installing software, this field displays the version available for installation.</p> <p>If you are modifying, repairing, or removing software, this field displays the version currently installed on your computer. This is a read-only field.</p>	<p>Displays an icon reflecting the status of the software you selected. See the <b>Icons</b> section below for more information.</p>	<p>The links displayed under <b>Action</b> change to reflect what actions you can perform during the installation or update process.</p>

##### Configuration



This box may not be implemented for all product installations.

If additional configuration steps are required for your software, the **Configuration Wizard** dialog box opens after installation is complete. Select the application from the list and click **Configure**. If the **Configuration Wizard** does not start automatically, you can select it from the **Start** menu **Hexagon GeoMedia Desktop 16.5 > GeoMedia Desktop Configuration Wizard**.

### Complementary Software




Complementary software is software that is useful for or needed to run with your Hexagon Geospatial software. If complementary software is available for your site, the **Complementary Software** box opens after installation is complete. Select the application from the list and click **Install**.



**Complementary Software** is available for your site only if an application developer creates it. For more information, see *Installing GeoMedia in Silent Mode* later in this document.

### Icons

The following icons appear in the **Status** list. These icons and their corresponding tooltips change to reflect the current status of the installation or update process.

Icon	New or Installed Software	Configuration	Complementary Software
	Indicates the selected software is not installed. Or Indicates an installation failure. Check the Event Log for information.	Indicates the installed application of the selected software is not configured. Or Indicates a configuration failure. Check the Event Log for information.	Indicates the complementary software is available but is not installed. Or Indicates an installation failure. Check the Event Log for information.
	Installation is in progress.	Configuration is in progress.	Installation is in progress.
	Installation is successful.	Configuration is successful.	Installation is successful.

## Looking at GeoMedia Desktop Tiers and Products

### GeoMedia Desktop Tiers

**GeoMedia Desktop 16.5** contains the following three product tiers:

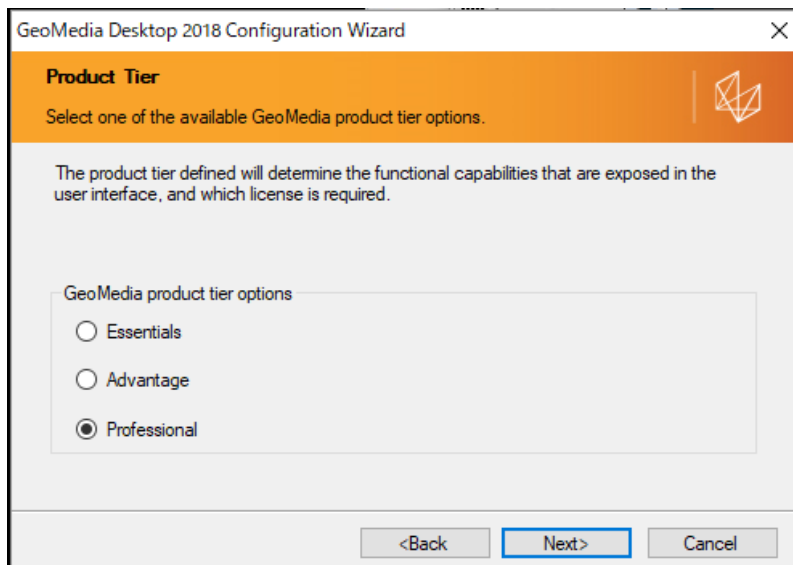


### Manager

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- GeoMedia Essentials
- GeoMedia Advantage
- GeoMedia Professional

After installing GeoMedia Desktop, you select the appropriate tier in the **GeoMedia Desktop 16.5 Configuration Wizard**, as described in the *Configuring the Installed Application* (see "Configuring the Newly Installed Applications" on page 28) workflow later in this document:



### GeoMedia Essentials

The **GeoMedia Essentials** tier includes:

- **GeoMedia**
- License for **ERDAS IMAGINE Essentials**

### GeoMedia Advantage

The **GeoMedia Advantage** tier includes:

- **GeoMedia Essentials** functionality
- **GeoMedia Professional** placement and editing commands

- Grid Analysis functionality - all commands formerly contained in the GeoMedia Add-on product **GeoMedia Grid**

#### GeoMedia Professional

The **GeoMedia Professional** tier includes:

- **GeoMedia Advantage** functionality
- **GeoMedia Professional**
- Data Integration and Validation functionality - all commands formerly contained in the GeoMedia Add-on product **GeoMedia Fusion**
- Cadastral functionality - all commands formerly contained in the GeoMedia Add-on product **GeoMedia Parcel Manager**
- Advanced Feature Model functionality - all commands formerly contained in the GeoMedia Add-on product **GeoMedia PublicWorks Manager**
- Managing Data Transactions functionality - all commands formerly contained in the GeoMedia Add-on product **GeoMedia Transaction Manager**



The GeoMedia tiers do not appear in the **Control Panel > Programs and Features** list; what appears instead is **Hexagon GeoMedia Desktop 16.5**.

The installation procedures for tiers involve two installation disks:

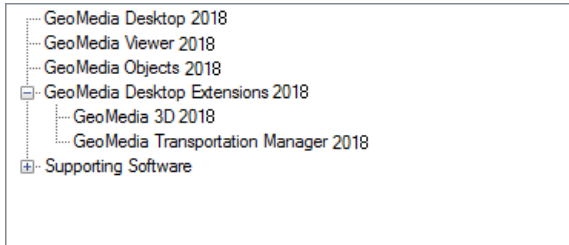
- One for the GeoMedia Desktop, and
- One for Intergraph ERDAS IMAGINE Essentials.

You must install GeoMedia Desktop first and then Intergraph ERDAS IMAGINE Essentials.

The GeoMedia Desktop installer installs only the GeoMedia Desktop. You need to insert the separate **Intergraph Geospatial 16.5 - Remote Sensing Suite** media to install ERDAS IMAGINE Essentials.

See the Intergraph ERDAS Desktop Products and Installation and Configuration Guide for complete information on installing this product.

### GeoMedia Desktop Extensions



You can install any of the extensions from under **GeoMedia Desktop Extensions 16.5**.

For information on installing an extension, see its separate *Installation Guide*.

### Supporting Software



You can also install **Geospatial Licensing 16.5** from under **Supporting Software**. Geospatial Licensing delivers the necessary files for a product to take full advantage of licensing functionality: License Administration to configure and query license servers, License Borrowing to simplify license borrowing, and a License Host ID utility that displays composite, Amazon, and hardware key host IDs.

## Installing GeoMedia Desktop Products

**GeoMedia Desktop**, **GeoMedia Viewer**, and **GeoMedia Objects** each has its own installer, as do the **GeoMedia Desktop Extensions** and **Supporting Software** products.

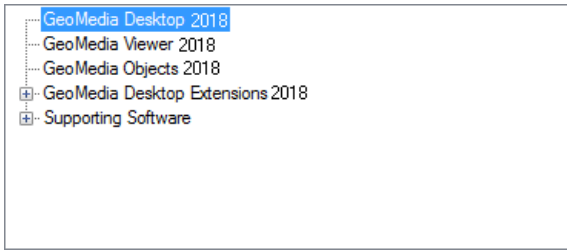
### **To install GeoMedia Desktop Products:**



- Verify that you have Microsoft® .NET Framework Version 4.5.1 or higher installed on your system before installation.

If you do not have .NET installed, attempting to run *Setup.exe* will cause an error. If this occurs, you can run *Setup.vbs*, which automatically installs .NET, and then automatically runs *Setup.exe*.

1. From your delivery media, right click *Setup.exe* and select **Run as administrator**.
2. Select the appropriate feature from the list.



**GeoMedia Desktop 16.5** is selected by default.

OR

Select **GeoMedia Viewer 16.5** or **GeoMedia Objects 16.5**

OR

Click the plus sign (+) to the left of **GeoMedia Desktop Extensions 16.5** or **Supporting Software** to expand the list, and then select the appropriate feature from the list.

3. *Optional:* Click a link to the right of the **Software** list box to open and review documentation as required for the selected product.
4. In the **New Software** box, click **Install** under **Action**.

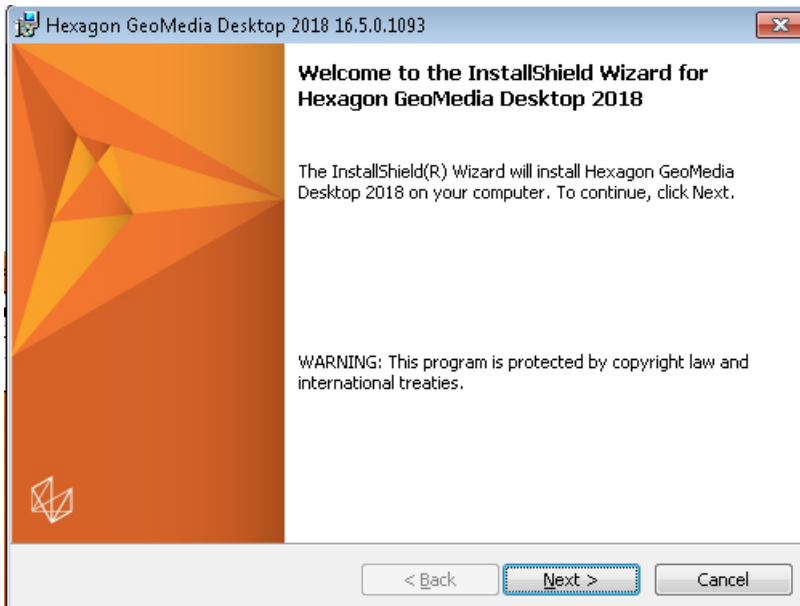
Version	Status	Action
16.5.0.1093		<a href="#">Install</a>

*The installation process begins for the selected software by displaying the splash screen and starting the InstallShield Wizard.*

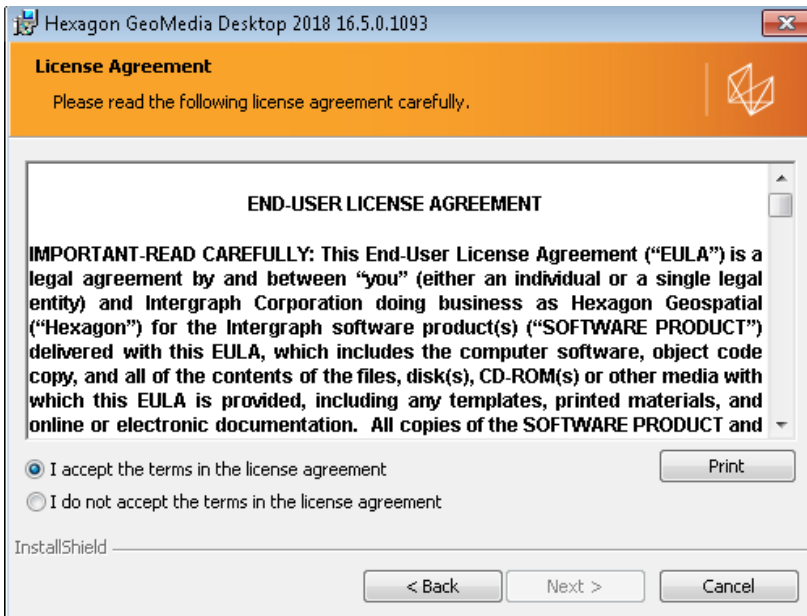


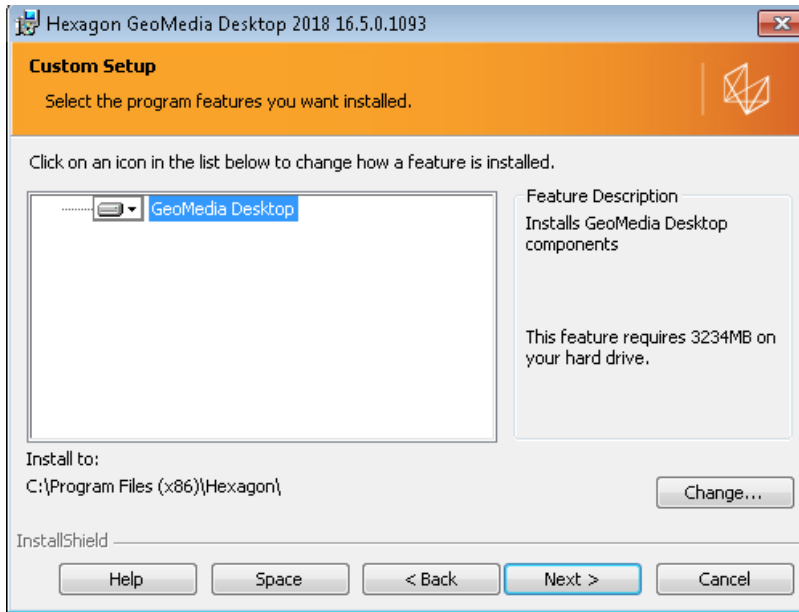
Once software is installed, the **New Software** title changes to **Installed Software**, and the **Action** column displays **Modify, repair, or remove** for the selected software.

5. Click **Next** on the InstallShield Wizard Welcome screen.

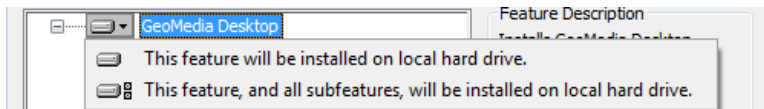


6. Accept the terms in the license agreement, and then click **Next**.



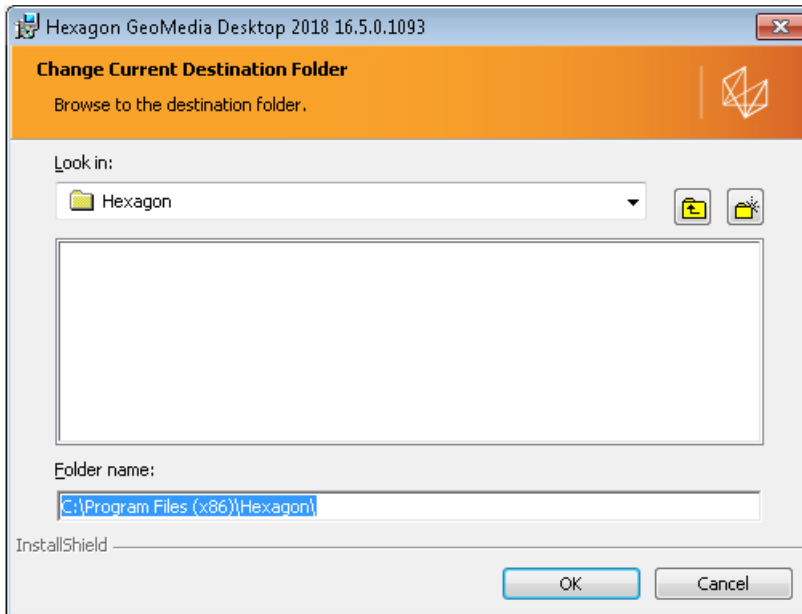


You can select a feature to install, unselect a feature, or change how a feature is installed by clicking on the arrow to the right of the product icon. You have the option to install the feature on the local hard drive or to install the feature and all subfeatures on the local hard drive, depending on whether the selected feature has subfeatures, as in the following example:





7. *Optional:* Click **Change** on the **Custom Setup** dialog box to change the installation folder and or drive on the **Change Current Destination Folder** dialog box, and then click **OK** on that dialog box to return to the **Custom Setup** dialog box.

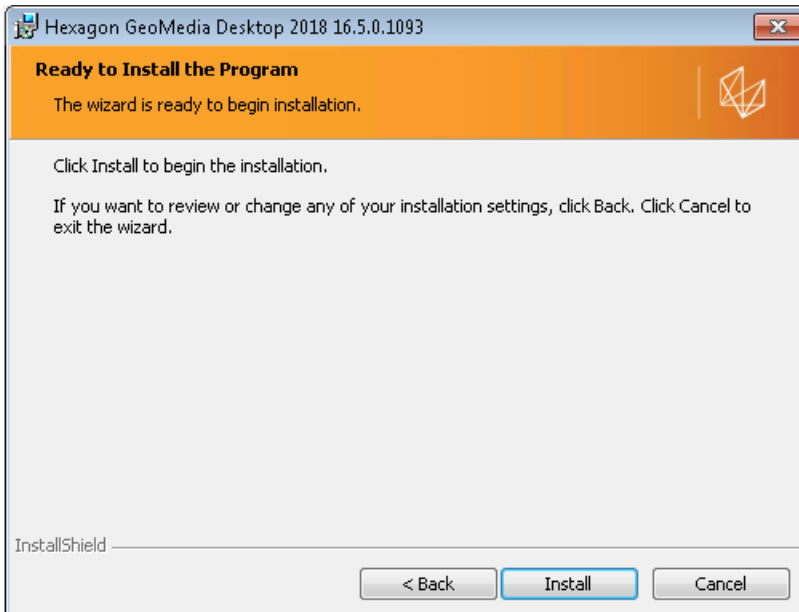


OR

Continue to the next step without changing the destination folder.

8. Click **Next** on the **Custom Setup** dialog box.  
*The installer checks for the presence of a prior version of GeoMedia.*

9. If you do not have a previous version of the exact product installed, click **Install** to start installation.



10. When the product is installed, click **Finish**.

*The **New Software** title on the **Hexagon Geospatial Setup Manager** dialog box changes to **Installed Software**, and the **Action** column displays **Modify, repair, or remove** for the selected software.*

*The **GeoMedia Configuration Wizard** is automatically started. See **Configuring the Newly Installed Applications** (on page 28).*




The GeoMedia Desktop Configuration Wizard is not required for installing unlicensed GeoMedia Viewer and so the Wizard is not started after GeoMedia Viewer is installed. If you need to configure GeoMedia Viewer to run a different language, you can access the Configuration Wizard by selecting it from the **Start** menu **Hexagon GeoMedia Desktop 16.5 > GeoMedia Desktop Configuration Wizard**.



Once configured, if complementary software is available for your product, the **Complementary Software** dialog box is automatically displayed. See *Complementary Software in the Installing GeoMedia in Silent Mode* (on page 48) section.



After you have installed **GeoMedia Desktop**, you will see **Hexagon GeoMedia Desktop 16.5** in the **Control Panel > Programs and Features** list. You will not see the name of a GeoMedia product tier.

Name	Publisher
 Hexagon GeoMedia Desktop 2018	Hexagon Geospatial

# Configuring the Newly Installed Applications

After installation is complete, the GeoMedia Desktop Configuration Wizard automatically starts.



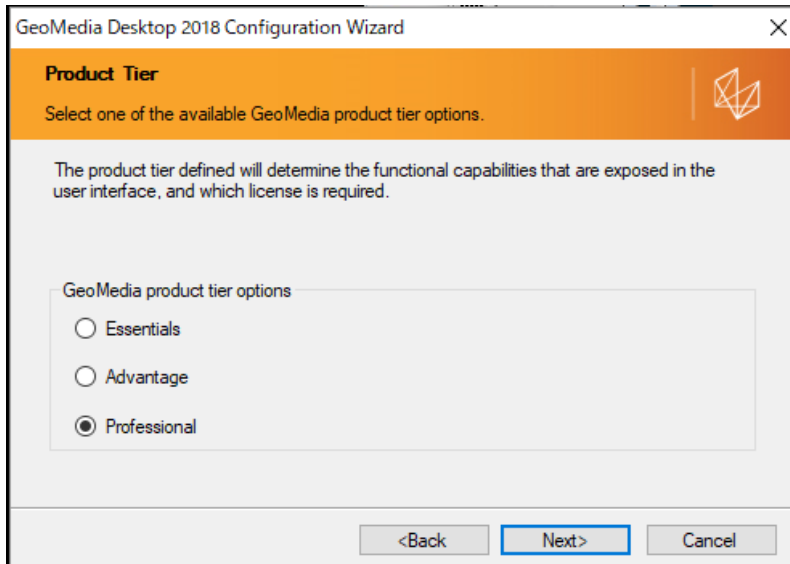
- You can also access the Configuration Wizard from the **Start** menu (**Hexagon GeoMedia Desktop 16.5 > GeoMedia Desktop Configuration Wizard**).
- The Configuration Wizard is not required for installing unlicensed **GeoMedia Viewer** and so the Wizard is not started after **GeoMedia Viewer** is installed. If you need to configure **GeoMedia Viewer** to run a different language, you can access the Configuration Wizard by selecting it from the **Start** menu **Hexagon GeoMedia Desktop 16.5 > GeoMedia Configuration Wizard**.
- Pressing F1 for Help anytime while navigating through the Configuration Wizard displays the *GeoMedia Installation Guide*.

### To configure GeoMedia applications:

1. Click **Next** on the Configuration Wizard Welcome screen.

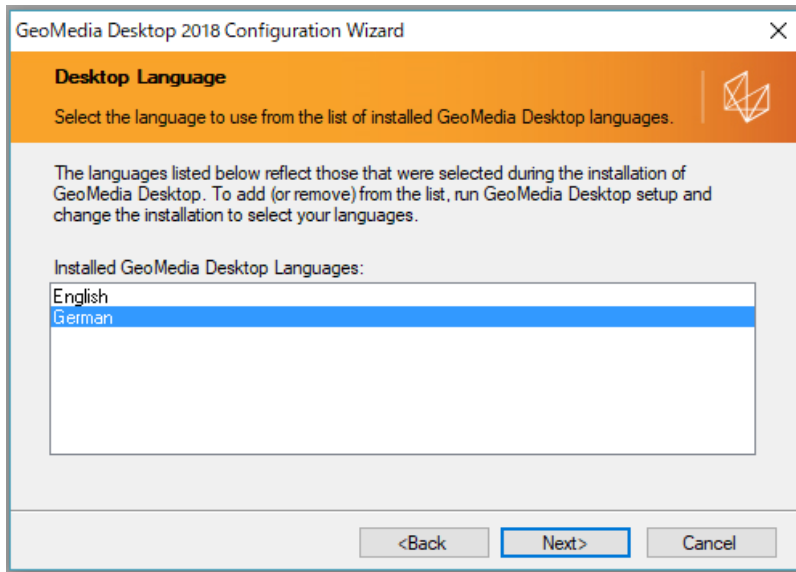


2. Select the appropriate **Product Tier** option, and then click **Next**.



- The default option is **Professional** when a configuration has not been defined. If a configuration has been defined, the dialog displays the product tier of the current configuration.
- Once the configuration process is finished, the shortcut for the *GeoMedia.exe* on the **Start** menu is renamed accordingly, for example, **GeoMedia Professional** for the Professional product tier.

3. Select the language you want to run and then click **Next**, or simply click **Next** to accept the default.



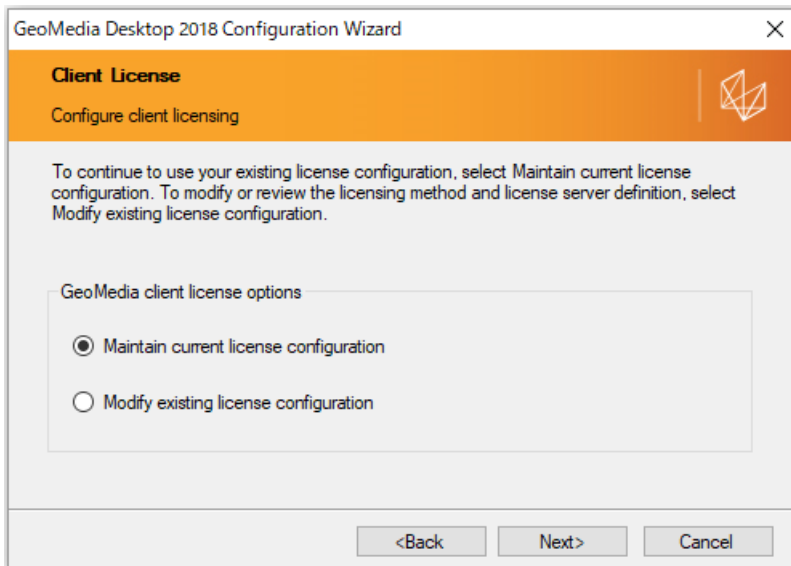
- The first time you run the Configuration Wizard, the default language will be English, unless additional languages have been installed. In that case, the default language will be determined by the language defined by the **Formats** tab on the **Region and Language** dialog box. If a GeoMedia Desktop Configuration has previously been defined, the default language listed is the current desktop language defined.
- The GeoMedia Desktop tiers and GeoMedia Viewer are available in multiple languages. GeoMedia Objects is available in English only.



The operating system Region and Language Format and System Locale settings must match the selected language for GeoMedia to operate properly before you run GeoMedia.

4. Upon clicking **Next**, there are two possible workflows from the **Client License** dialog box:
  - When there is an invalid license or when no license has been defined on the client, **Modify existing license configuration**.

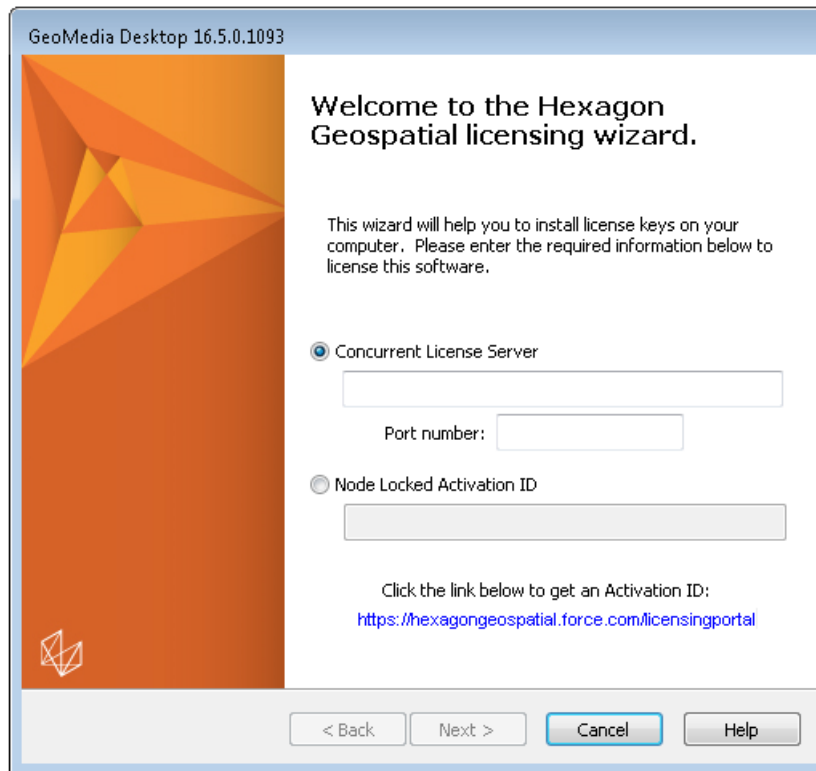
- When a license has already been defined, **Maintain current license configuration**.



### Invalid License or No License Defined Workflow

- a. Select the **Modify existing license configuration** option, and then click **Next**.

The **Welcome to the Hexagon Geospatial Licensing Wizard** dialog is displayed for you to set up your license. This dialog provides information on the current license status and the ability to modify some of the license parameters.



Pressing the Help button will show the Licensing Information in detail.

OR

### License Defined Workflow

If you have a valid license, the **Client License** dialog is displayed with the **Maintain current license configuration** option selected by default.

a. If you do *not* want to modify or review the licensing method and license server definition, click **Next**, and then go to Step 6.

OR

b. If you want to modify or to review the licensing method and license server definition, select the **Modify existing license configuration** option, click **Next**. **Welcome to the Hexagon Geospatial Licensing Wizard** dialog is displayed for you to set up your license.



5. Click **Close**.
6. If complementary software is available for your site, the **Complementary Software** dialog opens after configuration is complete. Complementary Software is available for your site only if an application developer creates it. For more information, see *Complementary Software in the Installing GeoMedia in Silent Mode* (on page 48) section.

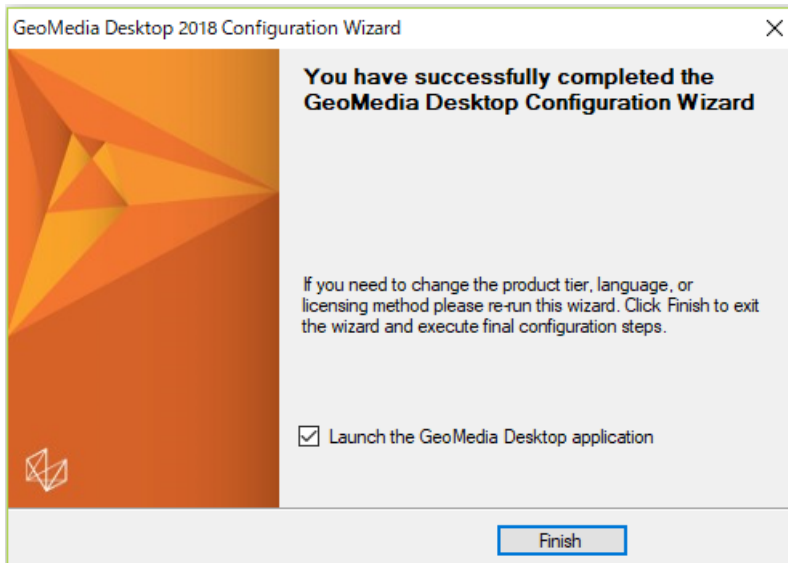
OR

If additional configuration is required for the product, appropriate wizards will display.

OR

If there is no complementary software available for your product:

- a. Check the **Launch the GeoMedia Desktop application** check box, and then click **Finish** to launch the product and to return to the **Hexagon Geospatial Setup Manager** dialog.



OR

- b. When the product is configured, uncheck the **Launch the GeoMedia Desktop application** check box, and then click **Finish** to return to the **Hexagon Geospatial Setup Manager** dialog.

Click  to close the **Hexagon Geospatial Setup Manager**, or continue with other Setup Manager work.

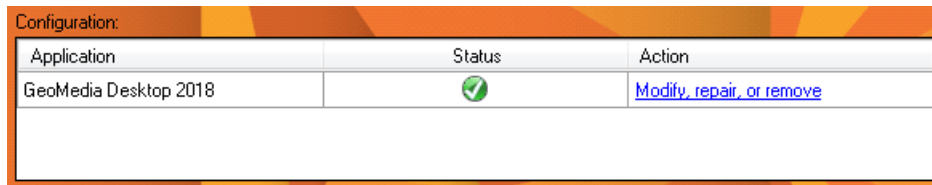
### Changing an Existing GeoMedia Configuration

The GeoMedia Desktop Configuration Wizard lets you change the following in an existing configuration:

- GeoMedia product tier
- GeoMedia runtime language
- GeoMedia licensing method

#### **To change a GeoMedia configuration:**

1. Start the GeoMedia Desktop Configuration Wizard in one of two ways:
  - a. From the delivery media, run the **Hexagon Geospatial Setup Manager** (*Setup.exe*).
  - b. On the **Hexagon Geospatial Setup Manager** dialog box, select **GeoMedia Desktop 16.5** or **GeoMedia Objects 16.5** from the **Software** list box.
  - c. In the **Configuration** box **Action** list, click **Modify, repair, or remove** to display the Wizard Welcome screen.



Application	Status	Action
GeoMedia Desktop 2018	✓	<a href="#">Modify, repair, or remove</a>

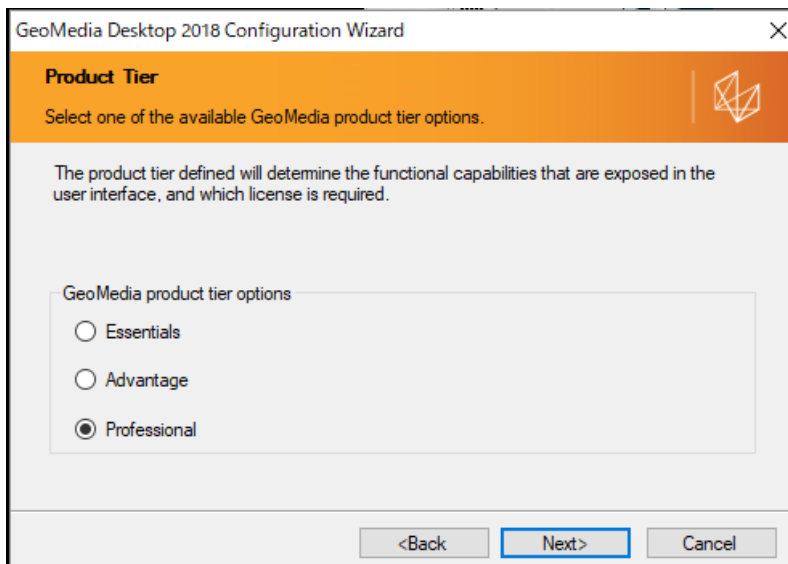
OR

From the **Start** menu, navigate to and select the **GeoMedia Desktop Configuration Wizard** for the application you want to change or remove to display the Wizard Welcome screen.

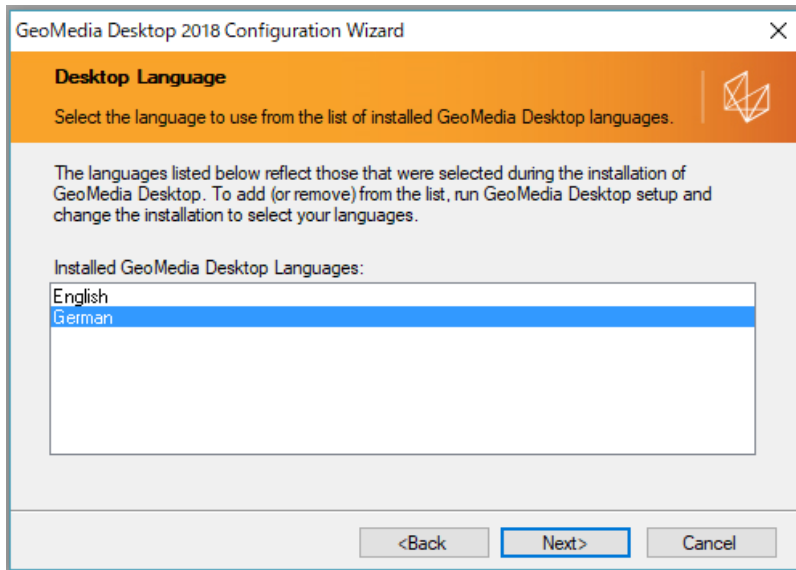
2. Click **Next** on the Welcome dialog.



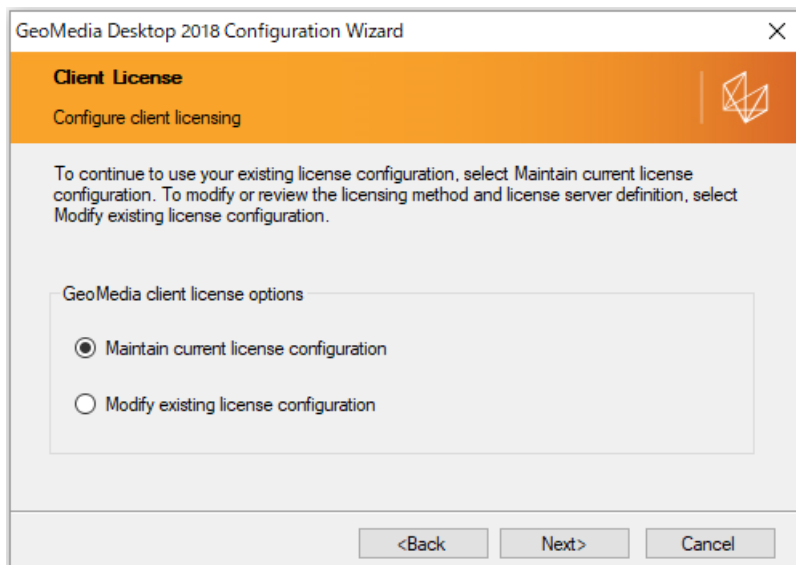
3. Select a different **Product Tier** option if appropriate, or keep the selected tier, and then click **Next**.

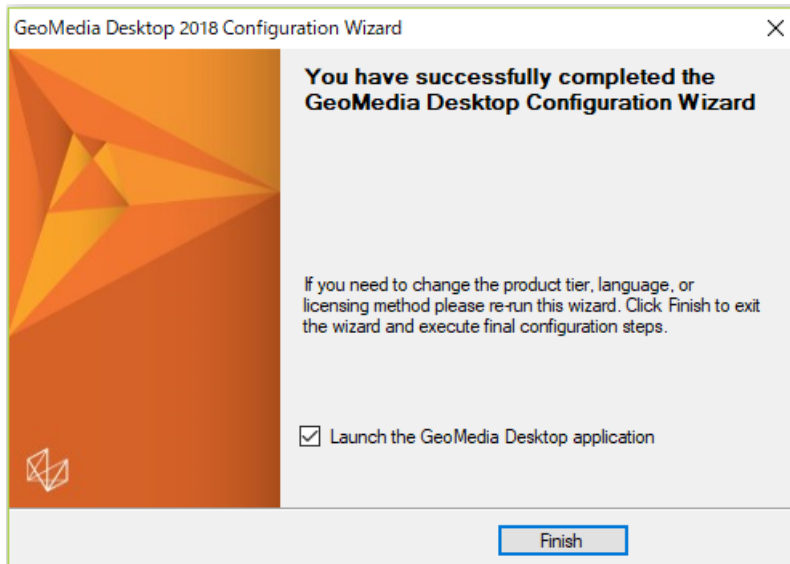


4. Select the language you want to run and then click **Next**, or simply click **Next** to accept the default.



5. Change the license configuration if appropriate as detailed in the steps of the previous section, click **Next**, and then click **Finish**.






## Installing Languages and Changing the Runtime Language of GeoMedia

The GeoMedia product installation does not provide additional language options. English will be the only language option available when running the GeoMedia Desktop Configuration Wizard after the GeoMedia product installation. GeoMedia product language options are provided as Language Packs on the *Hexagon Geospatial Product Download Portal* <http://download.hexagongeospatial.com/> and can be downloaded and installed as necessary. If GeoMedia Language Packs have been installed, the GeoMedia Configuration Wizard will recognize the installed language and provide them as an option on the **Desktop Language** dialog box.



Language Packs are specific to versions of the GeoMedia product installation. It requires that the corresponding version of GeoMedia product has been installed on the machine prior to install any Language Packs. Also it will be necessary to download and install updated versions of the Language Packs for each release.

### **To install languages:**

1. Download the required Language Pack from the *Hexagon Geospatial Product Download Portal* <http://download.hexagongeospatial.com/>.
2. Install the downloaded Language Pack by selecting Setup.exe (*Hexagon Geospatial Setup Manager*).
3. Wait until all installation and configuration to be done. When it is done, then the Status icon on *Hexagon Geospatial Setup Manager* will be change to "Green check mark" .

The runtime language is automatically set as the language pack you installed now.

### **To change language:**

If you want to change the runtime language:

1. Run GeoMedia Desktop Configuration Wizard from Start menu.
2. Select the required language from the **Installed GeoMedia Desktop Languages** list on the **GeoMedia Desktop Language** dialog box.
3. Upon completion of defining the required language in the Configuration Wizard, click **Finish**.



- The GeoMedia Desktop Tiers and GeoMedia Viewer have localized versions available and thus contain both English and non-English resources. GeoMedia Objects includes English resources only.
- Only user interface resources are available in some languages.
- Only installed languages are available for switching as the runtime language in the GeoMedia Configuration Wizard.



Regional and Language settings of the Operating System must be corresponding to the runtime language in order to run GeoMedia with the selected language. (settings on **Format** tab > **Format** and **Administrative** tab > **Language for non-Unicode programs**)

## Configuring Unicode

All controls in the product that perform the display and entry of either graphic text or attribute text now support multi-language text (Unicode).

The following is a sample procedure for configuring Unicode:

1. Use Registry Editor (regedit) from the command line to open the registry.
2. Go to **HKEY\_LOCAL\_MACHINE > SOFTWARE > Intergraph** (on 32-bit operating systems) or **HKEY\_LOCAL\_MACHINE > SOFTWARE > Wow6432Node > Intergraph** (on 64-bit operating systems).
3. Locate the two String Values **GeoMediaUnicodeTextFontName** and **GeoMediaUnicodeTextFontSize**.
4. If they do not exist, create them by right clicking on **Intergraph** and then selecting **New > String Value** from the right mouse menu.
5. Select **GeoMediaUnicodeTextFontName**, and from the right-click menu select **Modify**.
6. On the **Edit String** dialog box, type any valid Unicode font, for example Arial Unicode MS, in the **Value data** field, and then click **OK**.
7. Select **GeoMediaUnicodeTextFontSize**, and from the right mouse menu select **Modify**.
8. On the **Edit String** dialog, type the number of the appropriate font size in the **Value data** field, and then click **OK**.

## Publishing GeoMedia in Citrix XenApp

When GeoMedia Desktop is published in Citrix XenApp, it is necessary to add a set of file paths to the Path environment variable on the host machine. Failure to do so may result in errors, and GeoMedia Desktop may not function properly.

The following is the procedure for updating the PATH environment variable on the host server:

1. Run Server Manager from the **Start** menu. **Start > Administrative Tools > Server Manager**.
2. Select **Change System Properties**.
3. In the **System Properties** dialog box, select the **Advanced** tab, and then click **Environment Variables**.
4. In the System variables pane, select the **Path** variable, and then select **Edit**.
5. Append the following paths (semicolon delimited) to the **Variable** value in the **Edit System Variable** dialog box:
  - *C:\Program Files (x86)\Common Files\Intergraph\GeoMedia\Program;*
  - *C:\Program Files (x86)\Common Files\Intergraph;*
  - *C:\Program Files (x86)\Common Files\Intergraph\GeoMedia\Program\PrivateAssemblies;*

- *C:\Program Files (x86)\Common Files\Intergraph\GeoMedia\Program\QD;*
- *C:\Program Files (x86)\Hexagon\GeoMedia Professional\Program;*

## Licensing GeoMedia Products

With the Power Portfolio 16.5 release, licenses are no longer based on Certificate-file based technology. Instead, licenses are based on Activation IDs so that customers can activate their products without having to provide Host IDs or other hardware-related parameters. Customers can also re-host without emailing the licensing team to assist. The Power Portfolio 16.5 release also includes improved tools to make it easier to install licenses, set up license servers, and provide more professional error handling. Finally, the Power Portfolio 16.5 release has improved customer notification in the products, such as an “end of subscription” message in the Start-up screen. These more secure and automated processes, along with a new licensing portal, provide a better customer experience.

You can install **Geospatial Licensing 16.5** from the Supporting Software section of the product delivery media and use **Geospatial Licensing Administrator 16.5** to set up and manage a concurrent license server and other license resources. See the **Geospatial Licensing 16.5** Help file for more information.

Please visit our *licensing web site*

([http://community.hexagongeospatial.com/t5/Licensing/ct-p/KS\\_Licensing](http://community.hexagongeospatial.com/t5/Licensing/ct-p/KS_Licensing)) to generate or to manage your licenses. There are help topics on this page to assist you if you have difficulty in generating or managing your license. There are also useful eTraining videos at bottom of this page.

## Starting GeoMedia

You can start the software from the Start menu or from a command prompt.

### Starting GeoMedia from the Start Menu

To start your GeoMedia product from the Start menu:

Select **Hexagon GeoMedia Desktop 16.5 > GeoMedia Professional / GeoMedia Advantage / GeoMedia Essentials** from **Start** menu.

OR

Select **Hexagon GeoMedia Viewer 16.5** from **Start** menu.



## Starting GeoMedia from a Command Prompt

You can also start GeoMedia from a command prompt.

For complete information on starting GeoMedia from a command prompt, see *Installing GeoMedia in Silent Mode* (on page 48).

It is recommended that you use the Microsoft DOS Start command (See the Microsoft DOS documentation for complete information on the Start command).

## Removing GeoMedia Products

You can remove GeoMedia products and tiers with either **Hexagon Geospatial Setup Manager** or Windows **Control Panel**; however, **Hexagon Geospatial Setup Manager** is the recommended method.



Before removing the product, the language configuration should be configured back to English if it is set to a different language, and all product language packs should be removed.

### **To remove GeoMedia Products with Hexagon Geospatial Setup Manager:**

1. From your delivery media, right click *Setup.exe* and select **Run as administrator**.
2. In the **Hexagon Geospatial Setup Manager Software** list box, select the product or tier you want to remove.



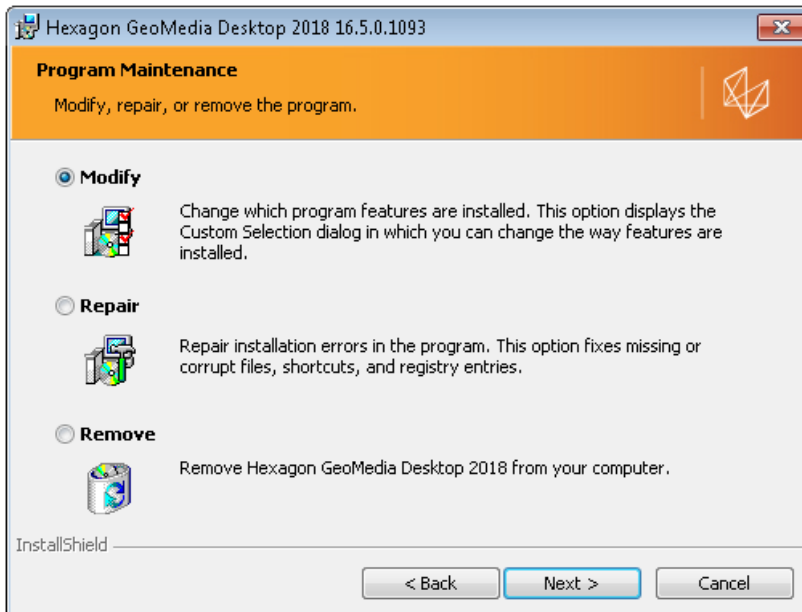
Removing **Hexagon GeoMedia Desktop 16.5** removes the GeoMedia product tiers.



Removing Hexagon GeoMedia Desktop 16.5 does not remove the Add-ons and Language Pack installed on it. It is important to remove all add-ons and language packs before removing Hexagon GeoMedia Desktop 16.5.

3. In the **Installed Software** box **Action** list, click **Modify, repair, or remove**.
4. When the Wizard dialog opens, click **Next** to open the **Program Maintenance** dialog.

5. *Carefully* read what the **Remove** option does, and if appropriate, select the **Remove** option, and click **Next**.



6. Follow the prompts to remove the product.

### **To remove GeoMedia Products with Control Panel:**

1. From the Start menu, navigate to **Control Panel**.
2. If viewed by Category, select **Programs > Programs and Features**.  
OR  
If viewed by Large Icons or Small Icons, select **Programs and Features**.
3. On the **Uninstall or change a program** dialog box, select the product to remove, and click **Uninstall** or right click the product and select **Uninstall**.



The GeoMedia tiers do not appear in **Control Panel**; what appears is **Hexagon GeoMedia Desktop 16.5**.

## Removing Language Packs

You can remove Language Packs with either **Hexagon Geospatial Setup Manager** or Windows **Control Panel**; however, **Hexagon Geospatial Setup Manager** is the recommended method.

### ***To remove Language Pack with Hexagon Geospatial Setup Manager:***

1. From your delivery media, right click *Setup.exe* and select **Run as administrator**.
2. In the **Installed Software** box **Action** list, click **Modify, repair, or remove**.
3. When the Wizard dialog opens, click **Next** to open the **Program Maintenance** dialog.
4. Carefully read what the Remove option does, and if appropriate, select the **Remove** option, and click **Next**.
5. Follow the prompts to remove the product.

### ***To remove Language Pack with Control Panel:***

1. From the **Start** menu, navigate to **Control Panel**.
2. If viewed by Category, select **Programs > Programs and Features**.  
OR  
If viewed by Large Icons or Small Icons, select **Programs and Features**.
3. On the **Uninstall or change a program** dialog box, select the Language Pack to remove, and then click **Uninstall** or right click the Language Pack and select **Uninstall**.

## Removing Minor Versions of Products

You can remove minor versions of GeoMedia and Add-on products with **Hexagon Geospatial Setup Manager** and the Windows **Control Panel**.

### ***To remove minor versions of GeoMedia and Add-on Products with Hexagon Geospatial Setup Manager:***

1. From your delivery media, right click *Setup.exe* and select **Run as administrator**.

2. In the **Installed Software** box **Action** list, select **Modify, repair, or remove** on the minor version which you want to remove.
3. When the Wizard dialog opens, click **Next** to open the **Program Maintenance** dialog.
4. Carefully read what the **Remove** option does, and if appropriate, select the **Remove** option, and then click **Next**.
5. Follow the prompts to remove the product.

### ***To remove minor release versions of GeoMedia and Add-on Products with Control Panel:***

1. From the **Start** menu, navigate to **Control Panel**.
2. If viewed by Category, select **Programs > Uninstall a program**.  
OR  
If viewed by Large Icons or Small Icons, select **Programs and Features**.
3. On the **Uninstall or change a program** dialog box, select **View installed updates**, select the product to remove, and then click **Uninstall**.



If your software is not listed, you have a major release only. If your software is listed, you have a minor release.

## Troubleshooting Installation Using Logs

When an installer fails, there are a few options to get more information and act upon it:

- Create a Log file for the installation -- This can be requested by using a registry key or by specifying command-line parameters.
- Examine (and possibly Export) the Application Event Log -- This gives you access to OS events generated during installation and configuration of a product.

You can generate MSI (Windows Installer) and Application Event Logs.



Turning on MSI Logging from the registry, rather than from the command line, is recommended.

## Enabling Microsoft Windows Installer (MSI) Logging

You can enable MSI logging for every installation action that happens on your system.

1. From the Microsoft Windows **Start** menu, click **Run**, and type `regedit` to open the Registry Editor.
2. Find or add the following subkey Installer in the Windows registry: **HKEY\_LOCAL\_MACHINE > Software > Policies > Microsoft > Windows > Installer**.



You may need to create the Installer key.

- a. Insert Debug as a REG\_DWORD, and set its value to 7.
- b. Insert Logging as a REG\_SZ, and set its value to `voicewarmup`.

Once the registry strings above have been created, every time you install, repair, modify, or remove, a log file will be created in the directory identified by your TEMP environment variable.

## Creating an MSI Log for one specific installation



Turning on MSI Logging from the command line is a last choice effort.

It is highly preferred to use the registry key above to enable MSI logging because it allows you to use your standard install, uninstall, and repair workflows. The workflow below should only be used in special circumstances, for example, if you are not allowed to update the system registry, or you really only want to create the one MSI log, and you are confident you can reproduce your exact problem on the command line.

You can request a log for one specific installation if you know the specific command-line parameters that are required to reproduce your problem. You must be quite careful because entering wrong parameters (like omitting the `ACCEPT_EULA` switch required by the Install in Silent Mode process) can cause your command-line installation to fail for reasons unrelated to the problem you are investigating.

### Logging the Installation of Product XYZ

```
msiexec /l*v "C:\1LogInstallation\logs\InstallationXYZ.log" /i
"C:\msi\XYZ.MSI ACCEPT_EULA=1"msiexec /l*v
"C:\1LogInstallation\logs\InstallationXYZ.log" /i "C:\msi\XYZ.MSI
AC-CEPT_EULA=1"
```

### Logging the Patching of a Product that Already Has Been Installed

It is also possible to log the installation of an MSP (a patch or hot-fix).

```
msiexec /l*v MyProdMSP.log /p MyProduct.msp REINSTALL=ALL REINSTALLMODE=omus  
/qbb
```

## Viewing and Exporting Application Event Log Information

Installation and Configuration of software products generates some events that are seen by the Microsoft Windows Operating System itself. This type of logging is always available – you do not need to enable it. You can find it by launching the Event Viewer, and can save the events out for someone else to analyze.

1. Select **Start > Search programs and files**, and then type `eventvwr` to start the Event Viewer.
2. On the left, select **Windows Logs > Application**.
3. On the right, click **Save All Events As**.
4. Save the file as type **Event Files (\*.evtx)**.

## Hexagon Geospatial Setup Manager Logging

As noted above, logging from the registry key is highly preferred. In the case where logging from the command line is necessary, try one of these examples:

```
Setup.exe /s {SoftwareProductName} /ni ACCEPT_EULA=1 /L* MyLogFileName.log  
Setup.exe /s {SoftwareProductName} /ni ACCEPT_EULA=1 /V"/L* MyLogFileName.log"
```

where {SoftwareProductName} is one of the Installable Applications under SoftwareProductName identified in Installable Application Names Table in Installing ProductName in Silent Mode document.

## Tips for Resolving Issues in Installation Log

### Component Based Servicing Log

The Component-Based Servicing Log can be helpful if you get a message like this in your Installation log:

```
MSI (s) (44:14) []: Assembly Error (sxs): To get more diagnostic information,  
enable the Component Based Servicing Log.
```

The Component Based Servicing Log is located in `%windir%\logs\cbs\cbs.log`  
(`C:\Windows\Logs\CBS`)

To get the cbs log you may first need to set:

```
HKEY_LOCAL_MACHINE\Software\Microsoft\Windows\CurrentVersion\Component  
Based Servicing EnableLog=dword:00000001
```

### Windows Installer SDK Tools

*Willogutl.exe* assists the analysis of log files from a Windows Installer installation, and it displays suggested solutions to errors that are found in a log file. You can use it to debug installation, repair and removal of a product.

For more information go to <http://msdn2.microsoft.com/en-us/library/aa372811.aspx>  
(<http://msdn2.microsoft.com/en-us/library/aa372811.aspx>).

# Installing GeoMedia in Silent Mode

This section contains information and background useful for those who might want to use the Windows command line to deploy GeoMedia and its related Update or Service Packs installers. Using the command line to deploy a product is often useful for those who want to execute silent installations or uninstallations of Windows Installer based installers. To enable logging during an installation or uninstallation, there are some guidelines to follow, as noted in the Troubleshooting Installation Problems Using Logs topic.

This document assumes that you possess a basic knowledge of Windows command line scripting techniques, and are familiar with both Windows environment variables and the concepts of variables and properties.

## Installing and Configuring GeoMedia

### Prerequisite Installations

Verify that you have Microsoft® .NET Framework version 4.5 or higher installed on your system.

### Basic Parameters for Hexagon Geospatial Setup Manager

To start the **Hexagon Geospatial Setup Manager**, which is *Setup.exe* in the root directory of your media, use the following syntax format for all commands:

```
setup.exe /s SoftwareProductName Operation OptionalArguments
```

Where:

*SoftwareProductName* is one of the Installable Software Products under *SoftwareProductName* identified in the **Installable GeoMedia Names Table**.

*Operation* and *OptionalArguments* are explained in the **Operation and Optional Arguments Parameters Table**.

### Installable GeoMedia Names Table

These are the valid names for installable GeoMedia products. These names can be found in the *ProductInfo.xml* file for that GeoMedia product.

Name as it appears in the Hexagon Geospatial Setup Manager dialog box	SubfolderName under Repository folder on Media/DVD	SoftwareProductName	ConfigurableApplicationName
GeoMedia Desktop 16.5	GeoMedia	GeoMedia	GeoMedia
GeoMedia Objects 16.5	GeoMediaObjects	GeoMediaObjects	GMO
GeoMedia Viewer 16.5	GeoMediaViewer	GeoMediaViewer	GMV





### Installable GeoMedia Language Names Table(if available)

These are the valid names for installable GeoMedia Language Packs. These names can be found in the *ProductInfo.xml* file for that Language Pack.

Name as it appears in the Hexagon Geospatial Setup Manager dialog box	SubfolderName under Repository folder on Media/DVD	SoftwareProductName	ConfigurableApplicationName
GeoMedia Desktop 16.5 German Language Pack (v16.5)	GeoMediaDesktop	GermanGM	GermanGM
GeoMedia 3D 16.5 German Language Pack	GeoMedia3D	GermanGM3D	GermanGM3D
GeoMedia Viewer 16.5 German Language Pack	GeoMediaViewer	GermanGMV	GermanGMV



Other available languages would be the same as <Language>GM, <Language>GM3D, and <Language>GMV. Example: FrenchGM, FrenchGM3D, and FrenchGMV.

### Operation and Optional Arguments Parameters Table

Operation	Description	Optional Arguments
/n[i r s x]	Install/modify/upgrade, repair, status of install, remove software	Parameters to be passed to GeoMedia product setup, for example: ACCEPT_EULA=1
/c[s]	Launches an installed configuration wizard to configure GeoMedia product or return status of configuration. ConfigurableApplicationName is	Additional parameters included after the /c option will be delegated to the configuration wizard to include the /q option if provided.

	required when /c is used.	
/u[s]	Launches customer-authored complementary software setup within the script <i>Repository\SubfolderName\ComplementarySoftwareSetup.wsf</i> .	Parameters to be passed to complementary software setup.

### Installing GeoMedia – Silent Mode

There are a variety of scripting languages you can use to set up unattended installation. All the examples here demonstrate the batch script commands an administrator would need to install, configure, or modify GeoMedia.

These batch script commands should be run from the root directory of the DVD or extracted zip file that contains the installation.

To install and to configure GeoMedia, you need to start the **Hexagon Geospatial Setup Manager** two times.

#### To install

```
setup.exe /s GeoMedia /ni ACCEPT_EULA=1
```



Where `GeoMedia` is `SoftwareProductName` as indicated in the **Installable GeoMedia Names Table**.

#### To configure

To adjust GeoMedia configuration options, you must overwrite the values in the *Intergraph.GeoMedia.ConfigurationWizard.exe.config* file, where the software is actually installed, before running the command below. See **GeoMedia Configuration Wizard Parameters Table** for specific values to be overwritten.

```
setup.exe /s GeoMedia /c GeoMedia
```



Where `GeoMedia` is `SoftwareProductName` and `GeoMedia` is `ConfigurableApplicationName`, as indicated in the **Installable GeoMedia Names Table**.

### Installing GeoMedia Language Packs – Silent Mode

There are a variety of scripting languages you can use to set up unattended installation. All the examples here demonstrate the batch script commands an administrator would need to install, configure, or modify Language Pack.

These batch script commands should be run from the root directory of the extracted zip file that contains the Language Pack installation.

To install and to configure GeoMedia Language Pack, you need to start the **Hexagon Geospatial Setup Manager** for Language pack installation and **Hexagon Geospatial Setup Manager** for GeoMedia configuration separately.

#### To install

```
setup.exe /S GermanGM /ni ACCEPT_EULA=1 INSTALLDIR=\\\"<GeoMedia Desktop Install folder>\\\"
```

#### Where

**GermanGM** is SoftwareProductName as indicated in the **Installable GeoMedia Language pack Names Table**.

**<GeoMedia Desktop Install folder>** is the install folder of GeoMedia Desktop. The default folder is "C:\Program Files (x86)\Hexagon". If you use the different drive/folder for GeoMedia Desktop installation, you must specify the same folder here such as "D:\Program Files (x86)\Hexagon"

#### To configure

For Language installation, the *LCID* (runtime language) will be set automatically upon the interactive Language Installation. The corresponding *Intergraph.GeoMedia.ConfigurationWizard.exe.config* for the language has been provided in the language folder.

On silent installation, we need to run the following command line to configure the language:

```
setup.exe /s GeoMedia /c GeoMedia
```

Where *Setup.exe* is root directory of the DVD or extracted zip file that contains the *GeoMedia product* installation, *GeoMedia* is SoftwareProductName and *GeoMedia* is ConfigurableApplicationName, as indicated in the **Installable GeoMedia Names Table**.



The silent configuration for the language pack must run against *Setup.exe* for GeoMedia products. Not *Setup.exe* for the Language Pack.

### Complete Set of Parameters for Hexagon Geospatial Setup Manager

Parameters that are available for **Hexagon Geospatial Setup Manager** are listed in the following tables.

Option	Parameters (SoftwareProductName)	Description
/s	GeoMedia GeoMediaObjects GeoMediaViewer	Specifies silent mode

Option	Parameters	Description
/n	[i r s x] OR [i] PROPERTY=VALUE	Installs/modifies/upgrades, repairs, returns installation status, or uninstalls the specified GeoMedia product. The /n option requires the /s option above.
		i Used to install new software, modify a current installation, or upgrade a previous installation. It is a default parameter. Windows Installer public property values can be appended at the end of this parameter. Spaces are not allowed between property name, =, and property value.  When a property value contains spaces, you must enclose that property value with triple backslash and double quotation mark (\\").  Example: INSTALLDIR=\\\\"c:\Test Installations\\"
		r Repairs existing software installation in silent mode. Optional.
		s Returns installation status. Optional. Valid exit code values are as follows: <ul style="list-style-type: none"> <li>▪ 0 – Not installed.</li> </ul>

Option	Parameters	Description
		<ul style="list-style-type: none"> <li>▪ 1 – Installed version is up-to-date.</li> <li>▪ 2 – Installed version is lower.</li> <li>▪ 3 – Installed version is higher.</li> <li>▪ -1 – Unable to find installation status.</li> </ul>
	x	Uninstalls software in silent mode. Optional.
	GeoMedia products public properties	<p>The following are the public properties:</p> <p>INSTALLDIR – Destination folder for the installation.</p> <p>ACCEPT_EULA – End user license agreement flag.</p> <ul style="list-style-type: none"> <li>▪ 0 - The EULA is not accepted. This is the default value.</li> <li>▪ 1 - The user has read and accepted the EULA. The software does not install until the value is 1.</li> </ul>
	Windows Installer public properties	<p>Some commonly used standard Windows Installer public properties are as follows:</p> <p>ADDLOCAL-Installs a list of selectable features delimited by commas, or ALL. Features are listed in the <b>GeoMedia 16.5 Installer Features</b> table. Feature names are case sensitive.</p> <p>REMOVE-Uninstalls a list of selectable features delimited by commas, or ALL. Features are listed in the <b>GeoMedia 16.5 Installer Features</b> table. Feature names are case sensitive.</p> <p>Also note that any msiexec.exe options can be added to the <b>Hexagon Geospatial Setup Manager</b> command line as long as they are added after the /n option. All options listed after the /n option are passed down to underlying processes. So for example if the user wants to display the progress GUI, they could add after the /n option the</p>

Option	Parameters	Description
		/passive option for msiexec.exe.

Option	Parameters	Description
/c	[s] ConfigurableApplicationName	<p>Launches <i>Intergraph.GeoMedia.ConfigurationWizard.exe</i> from where the specified GeoMedia product is actually installed or returns configuration status. Requires the /s option above.</p> <p>Valid ConfigurableApplicationName values (case sensitive) are as indicated in the <b>Installable GeoMedia Names Table</b>.</p> <p>To adjust GeoMedia configuration options, you must first overwrite values in the <i>Intergraph.GeoMedia.ConfigurationWizard.exe.config</i> file, where the GeoMedia product is actually installed, and then use this option. See the <b>GeoMedia Configuration Wizard Parameters Table</b> for specific values to be overwritten.</p> <p>Also note that since this is directly calling the configuration wizard, all arguments after the /c option will be passed to the configuration wizard. For example the /q option for displaying the progress dialog.</p>
	s	<p>Returns configuration status. Valid exit code values are as follows:</p> <ul style="list-style-type: none"> <li>▪ 0 – Not configured.</li> <li>▪ 1 – Configured.</li> <li>▪ -1 – Unable to find configuration status.</li> </ul>

Option	Parameters	Description
/u	[s] OR [<ParameterList> ]	<p>Launches customer-authored complementary software setup within the script <i>Repository\SubfolderName\ComplementarySoftwareSetup.wsf</i> or returns the complementary setup install status. Requires the /s option above.</p> <p>A complementary software setup program can support installation, repair, upgrade, and removal including silent/batch mode support based on its requirements. See Commentary Software later in this section.</p> <p>A complementary software setup program defines its own parameter list. A complementary software setup program can take parameters using command line arguments or a file (for example, <i>.xml</i>, <i>.config</i> or any other file type). The file name and location can be an input command line argument.</p> <p>When a property value contains spaces, you must enclose that property value with triple backslash and double quotation mark (\\").</p> <p>Example:  <code>INSTALLDIR=\\\\"c:\Test Installations\\"</code></p>
	s	<p>Returns complementary software setup status. Valid exit code values are as follows:</p> <ul style="list-style-type: none"> <li>▪ 0 – Not configured.</li> <li>▪ 1 – Configured.</li> <li>▪ -1 – Unable to find complementary software install status.</li> </ul>

### Installing GeoMedia – Batch Script

The following is the usage of example batch script:

```
C:\Temp\InstallNConfigureGeoMedia.bat FileShareName
```

Where `FileShareName` is the file share name that contains the GeoMedia DVD image.

Open a command prompt window (using **Run as administrator**) and type the following:

(\\YourGeoMediaDVDFileShare\FolderName folder must contain the **Hexagon Geospatial Setup Manger**, which is *Setup.exe*):

```
C:\Temp\InstallNConfigureGeoMedia.bat \\YourGeoMediaDVDFileShare\FolderName
```

### Example Batch Script

To perform a silent install and configure GeoMedia by using a batch (*.bat*) file, copy the following code in a new file name *InstallNConfigureGeoMedia.bat*, and store it under *C:\Temp* folder. Next, copy your updated *Intergraph.GeoMedia.ConfigurationWizard.exe.config* to be used (a sample is provided in the next section) during the configuration under *C:\Temp* folder as well.

```
@ECHO OFF
NET USE T: %1%
T:
setup.exe /s GeoMedia /ns
IF %ERRORLEVEL% EQU 0 GOTO Install
ECHO Install status: %ERRORLEVEL% Expecting 0.
GOTO EOF

:Install
ECHO Installing...
setup.exe /s GeoMedia /ni ACCEPT_EULA=1
setup.exe /s GeoMedia /ns
IF %ERRORLEVEL% EQU 1 GOTO Configure
ECHO Install status: %ERRORLEVEL% Expecting 1.
GOTO EOF

:Configure
ECHO Overwriting Intergraph.GeoMedia.ConfigurationWizard.exe.config...
COPY /Y "C:\TEMP\Intergraph.GeoMedia.ConfigurationWizard.exe.config"
"C:\Program Files (x86)\Hexagon\GeoMedia Professional\program"
```



```
ECHO Configuring...
setup.exe /s GeoMedia /c GeoMedia
setup.exe /s GeoMedia /cs GeoMedia
IF %ERRORLEVEL% EQU 1 GOTO EOF
ECHO Configure status: %ERRORLEVEL% Expecting 1.
GOTO EOF

:EOF
C:
NET USE T: /DELETE /Y
EXIT /B 0
```

### Example *Intergraph.GeoMedia.ConfigurationWizard.exe.config*



The default language listed can be defined by an administrator by modifying this setting in the *Intergraph.GeoMedia.ConfigurationWizard.exe.config* file. If the language setting that is specified in this file cannot be found, English will be the default language.

Copy the following code in a new file named *Intergraph.GeoMedia.ConfigurationWizard.exe.config*, and store it under the *C:\Temp* folder. Replace *YourLicenseServerName* placeholder with the appropriate value for you. Update any other settings as needed as well.

```
<?xml version="1.0"?>
<configuration>
  <configSections>
    <sectionGroup name="applicationSettings"
type="System.Configuration.ApplicationSettingsGroup, System, Version=2.0.0.0,
Culture=neutral, PublicKeyToken=b77a5c561934e089">
      <section
name="Intergraph.GeoMedia.ConfigurationWizard.Properties.Settings"
type="System.Configuration.ClientSettingsSection, System, Version=2.0.0.0,
Culture=neutral, PublicKeyToken=b77a5c561934e089" requirePermission="false"/>
    </sectionGroup>
  </configSections>
  <applicationSettings>
```

```
<Intergraph.GeoMedia.ConfigurationWizard.Properties.Settings>
  <setting name="Remove" serializeAs="String">
    <value>False</value>
  </setting>
  <setting name="OverwriteSampleData" serializeAs="String">
    <value>False</value>
  </setting>
  <setting name="OverwriteSharedRules" serializeAs="String">
    <value>False</value>
  </setting>
  <setting name="LicenseServerName" serializeAs="String">
    <value>YourLicenseServerName</value>
  </setting>
  <setting name="RuntimeLCID" serializeAs="String">
    <value>9</value>
  </setting>
  <setting name="Tier" serializeAs="String">
    <value>2</value>
  </setting>
</Intergraph.GeoMedia.ConfigurationWizard.Properties.Settings>
</applicationSettings>
<startup><supportedRuntime version="v4.0" sku=".NETFramework,Version=v4.0"/>
</startup>
</configuration>
```

## Additional Examples

You can modify the basic silent install syntax to perform additional installer functions such as removing or repairing software.

### Remove Software

To completely uninstall GeoMedia and display the progress GUI:

```
Setup.exe /s GeoMedia /nx /passive
```

### Override the Default Installation Location

To install GeoMedia at the *C:\Test Installations* folder:

```
Setup.exe /s GeoMedia /ni ACCEPT_EULA=1 INSTALLDIR=\\\\"c:\Test
Installations\\\\"
```

### Get Install Status

To get the install status of GeoMedia (with a batch script):

```
Start /wait Setup.exe /s GeoMedia /ns
echo GeoMedia install status is %ERRORLEVEL%
```

### Update an Existing Installation

To update an existing installation of GeoMedia 2016 to GeoMedia Desktop 16.5:

```
Setup.exe /s GeoMedia /ni
```

### Uninstall a Removable Update

To uninstall a removable update (Engineering Patch, Service Pack, and Minor Release) of GeoMedia Desktop 16.5:

```
Setup.exe /s GeoMedia /ni MSIPATCHREMOVE=UpdateID
```

The UpdateID is listed in */Program/UpdateInfo.txt*.

### Repair an Existing Installation

To repair an existing installation of GeoMedia Desktop:

```
Setup.exe /s GeoMedia /nr
```

### Configure or Edit

To configure or edit GeoMedia Desktop and display the progress of the configuration

To adjust GeoMedia configuration options, you must overwrite the values in the *Intergraph.GeoMedia.ConfigurationWizard.exe.config* file, where the software is actually installed, before running the configuration command. Parameters values are listed in the **GeoMedia Configuration Wizard Parameters Table**.

```
Setup.exe /s SoftwareProductName /c ConfigurableApplicationName /q
```

where *SoftwareProductName* and *ConfigurableApplicationName* are specified in the **Installable GeoMedia Names Table**.

### Get Configuration Status

To get the configuration status of GeoMedia (within a batch script):

Pseudo code only; syntax depends on the scripting language.

```
Start /wait Setup.exe /s GeoMedia /cs GeoMedia
echo GeoMedia configuration status is %ERRORLEVEL%
```

### Remove Configuration

To remove SoftwareProductName configuration, see the **GeoMedia Configuration Wizard Parameters Table**, parameter named Remove. (See the example below.)

```
Setup.exe /s SoftwareProductName /c ConfigurableApplicationName
```

### Example Intergraph.GeoMedia.ConfigurationWizard.exe.config for remove

```
<?xml version="1.0"?>
<configuration>
  <configSections>
    <sectionGroup name="applicationSettings"
type="System.Configuration.ApplicationSettingsGroup, System, Version=2.0.0.0,
Culture=neutral, PublicKeyToken=b77a5c561934e089">
      <section
name="Intergraph.GeoMedia.ConfigurationWizard.Properties.Settings"
type="System.Configuration.ClientSettingsSection, System, Version=2.0.0.0,
Culture=neutral, PublicKeyToken=b77a5c561934e089" requirePermission="false"/>
    </sectionGroup>
  </configSections>
  <applicationSettings>
    <Intergraph.GeoMedia.ConfigurationWizard.Properties.Settings>
      <setting name="Remove" serializeAs="String">
        <value>True</value>
      </setting>
      <setting name="OverwriteSampleData" serializeAs="String">
        <value>False</value>
      </setting>
      <setting name="OverwriteSharedRules" serializeAs="String">
        <value>False</value>
      </setting>
      <setting name="LicenseServerName" serializeAs="String">
        <value>YourLicenseServerName</value>
      </setting>
      <setting name="RuntimeLCID" serializeAs="String">
        <value>9</value>
      </setting>
      <setting name="Tier" serializeAs="String">
```

```

    <value>2</value>
  </setting>
</Intergraph.GeoMedia.ConfigurationWizard.Properties.Settings>
</applicationSettings>
<startup><supportedRuntime version="v4.0" sku=".NETFramework,Version=v4.0"/>
</startup>
</configuration>

```

### GeoMedia Configuration Wizard Parameters Table

To adjust GeoMedia configuration options, you must overwrite the values in the *Intergraph.GeoMedia.ConfigurationWizard.exe.config* file, where the software is actually installed, before running the configuration command.

The following table lists the configurable parameters in the *Intergraph.GeoMedia.ConfigurationWizard.exe.config* file.

Parameter Name	Description	Default Value			
LicenseServerName	Specifies the GeoMedia license server name or TCP/IP address with or without a port number. For example:  mylicserver 40000@mylicserver 123.456.789.256 40000@123.456.789.256  In the case of Node-Locked licenses, this specifies the path to your .lic file on your local machine. Typically, this is C:\Users\Public\Intergraph\Licenses.	Empty			
RuntimeLCID	Specifies GeoMedia runtime language culture ID (LCID) in decimal.	9			
	<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>Language</th> <th>LCID (Decimal)</th> </tr> </thead> <tbody> <tr> <td>English</td> <td>9</td> </tr> </tbody> </table>	Language	LCID (Decimal)	English	9
Language	LCID (Decimal)				
English	9				



Parameter Name	Description		Default Value
	German	7	
	French	12	
	Spanish	10	
	Chinese	30724	
	Japanese	17	
	Polish	21	
	Czech	5	
	Dutch	19	
	Bulgarian	2	
	Russian	25	
	Romanian	24	
	Norwegian	20	
OverwriteSampleData	Set to True to overwrite existing sample data with that included in the new version.		False
<b>OverwriteSharedRules</b>	Set to True to overwrite existing shared rules files with that included in the new version.		False
Remove	Set to True to remove the configuration. False allows installation and changes to the configuration, but does not remove it.		False
Tier	Specifies GeoMedia runtime tier value. When set the value of "-1", the value in the current registry key is retained.		2
	Tier	Value	

Parameter Name	Description		Default Value
	Essential	0	
	Advantage	1	
	Professional	2	
	Unchanged	-1	

## GeoMedia Desktop 16.5 Installer Features

Feature codes can be employed to install specific portions of the application. They are used in conjunction with the ADDLOCAL and REMOVE parameters listed in Complete Set of Parameters for the **Hexagon Geospatial Setup Manager** table.

Feature ID	Subfeature of	Description	Required
GeoMedia		Installs files necessary for GeoMedia	Yes

## Complementary Software

This information applies if you have received complementary software along with your distribution of GeoMedia Desktop 16.5.

### Install

To install the complementary software:

```
Setup.exe /s GeoMedia /ui
```

### Get Setup Status

To get the complementary software setup status of GeoMedia Desktop 16.5:

Pseudo code only; syntax depends on the scripting language.

```
RetVal = Setup.exe /s GeoMedia /us
```

### Uninstall Setup

To uninstall the complementary software setup of GeoMedia Desktop 16.5:

When the complementary software setup has /x as the parameter specifying remove.

```
Setup.exe /s GeoMedia /u /x
```



# Technical Support and Information

Hexagon Geospatial® provides several ways to access information and to contact support, including self-help tools, Hexagon Geospatial Community, Hexagon Geospatial Developer Network, and phone support.

## **Hexagon Geospatial Community**

You can find support-related discussion boards and knowledge bases across the Hexagon Geospatial products on the *Hexagon Geospatial Community* <http://community.hexagongeospatial.com>. Find more information about the community on a *Community blog* <http://blog.hexagongeospatial.com/join-the-community/>.

## **Blogs**

Get the latest on our technologies: from what engineering is working on, to news about the latest APIs, as well as developer tips and tricks.

## **Discussions**

Discuss topics with other Hexagon Geospatial Product pioneers and experts.

## **Knowledge and Support**

Learn more about our products, find answers, get the latest updates, and connect with other Hexagon Geospatial Community members, or get support from our *support teams* <http://www.hexagongeospatial.com/support>.

## **Developer Network**

Share technical information with other developers who use Hexagon Geospatial's SDKs and M.App Portfolio. To get full access to the Developer Network you need to purchase a Hexagon Geospatial Developer Network (HGDN) Subscription. With HGDN, you get broad access to select Hexagon Geospatial development products in one place. You will also get access to powerful toolkits, including currently published APIs and SDKs. You also get access to in-depth resources such as tutorials, collaborative samples, and web-based training.

Find more information about HGDN on a *Community blog* <http://community.hexagongeospatial.com/t5/About-the-Community/HGDN-Subscription/ba-p/3597>.

## **eTraining**

Short, to-the-point videos showcasing specific workflows for many tasks and organized by product. We add new videos constantly, so check back often.

## **Tutorials**

Written, step-by-step instructions for our most asked-about tasks. Includes helpful hints and introduction material to get you started with our products.



***Professional Service Team***

For support phone numbers or to submit sales inquiries, general questions, and comments, click the appropriate tabs at the top of the *Hexagon Geospatial Support* (<http://www.hexagongeospatial.com/support>) page.

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