About Us

Hexagon Geospatial helps you make sense of the dynamically changing world. Hexagon Geospatial provides the software products and platforms to a large variety of customers through direct sales, channel partners, and Hexagon businesses, including the underlying geospatial technology to drive Intergraph Security, Government & Infrastructure (SG&I) industry solutions. Hexagon Geospatial is a division of Intergraph Corporation.

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 use information to make mission and business-critical decisions.

TECHNOLOGY. Our priority is to deliver products and solutions that make our customers successful. Hexagon Geospatial is focused on developing leading-edge technology that is easily configurable. Through extensible, scalable and collaborative products, we enable you to transform multi-source content into dynamic and actionable information. We are constantly re-conceptualizing and improving our products.

PARTNERS. As an organization, we are partner-focused, working alongside our channel to ensure we succeed together. We provide the right tools, products and support to our business partners so that they may successfully deliver sophisticated solutions for their customers. We recognize that we greatly extend our reach and influence by cultivating channel partner relationships both inside and outside of Hexagon.

TEAM. As an employer, we recognize that the success of our business is the result of our highly motivated and collaborative staff. At Hexagon Geospatial, we celebrate a diverse set of people and talents; and we respect people for who they are and the wealth of knowledge they bring to the table. We retain talent by fostering individual development and ensuring frequent opportunities to learn and grow.

HEXAGON. Hexagon Geospatial plays a key role in Hexagon’s multi-industry focus, leveraging the entire portfolio for a wide variety of geospatial needs. Hexagon is a leading global provider of design, measurement and visualization technologies. Synergistic thinking is encouraged across all levels and functions at Hexagon companies, so that we all respond better and faster to our shared customer’s needs.

For more information, visit www.hexagongeospatial.com (http://www.hexagongeospatial.com) and www.hexagon.com (http://www.hexagon.com).
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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 2015 (15.00.00) is a major release and requires that you remove older versions of GeoMedia 6.1 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 www.hexagongeospatial.com/support).

You can tell if the software on your machine is a major or minor release in Windows 7 by selecting the Control Panel and navigating to Uninstall or change a program to display version information, as in the following examples of a major release:

If the second and third fields are all zeros, as in the example above, the version is a major release. If these fields contain non-zeros, as in the example below, the version is a minor release.

You can also go to the Customer Support Portal www.hexagongeospatial.com/support of your product for information and for downloading minor releases. See the Technical Support and Information (on page 61) section of this document for instructions on accessing the support product pages.
Overview of GeoMedia Installation

Before You Install GeoMedia

- Verify that your system meets or exceeds the requirements for GeoMedia 2015 listed in the GeoMedia Supported Environments document (accessed from the Hexagon Geospatial Setup Manager dialog box or the product Support page on the Customer Support Portal www.hexagongeospatial.com/support). GeoMedia runs on Windows® 7, Windows® 8, 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 MGE, or 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 previous versions of GeoMedia before installing the current version. You will not be able to install this version over a previous version. Open Programs and Features in Control Panel and use standard procedures to remove any previous versions of the product.

  **Minor Release:** If you remove the major release before you install a minor release, setup will do a full install. If you do not remove the major release before you install a minor release, setup will upgrade your software.

- You must not remove previous versions of GeoMedia before installing the current minor version.

  **NOTE:** 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 products on a 64-bit operating system. GeoMedia is a 32-bit application, but it can be run on most 64-bit processors. Loading GeoMedia products on a 64-bit operating system will result in a few changes in folder and registry entries.

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

**Folder Location** - Folder structures for GeoMedia products 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 product registry entries are different on a 64-bit operating system. GeoMedia product 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.

**NOTE** The product reference for the folder locations and registry entries noted above will vary slightly based on the installed product: GeoMedia Desktop, GeoMedia Objects, or GeoMedia Viewer.

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**

**NOTE** GeoMedia Viewer does not deliver developer documentation.

<table>
<thead>
<tr>
<th>Document</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Building on the GeoMedia Engine</strong></td>
<td>A CHM file that provides information about customizing the software and building your own applications with the GeoMedia engine.</td>
</tr>
<tr>
<td><strong>GeoMedia Command Wizard Help</strong></td>
<td>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.</td>
</tr>
</tbody>
</table>
Overview of GeoMedia Installation

<table>
<thead>
<tr>
<th>Document</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GeoMedia Object Reference</strong> (GeoMedia Desktop and GeoMedia Objects)</td>
<td>A CHM file that contains the objects, methods, and properties in the software’s automation layer.</td>
</tr>
<tr>
<td><strong>GeoMedia Customization - Ribbon Bar Customization for Developers</strong></td>
<td>A PDF file that describes how Business Partners and System Integrators can customize the GeoMedia Ribbon bar interface to employ their Add-on products.</td>
</tr>
<tr>
<td><strong>Creating a Custom Command</strong></td>
<td>A PDF file tutorial to create a custom Grid Analysis command.</td>
</tr>
<tr>
<td><strong>Custom Command Sample Workflow</strong></td>
<td>A PDF file sample workflow, GeoMedia Grid: A Natural Heritage Study.</td>
</tr>
</tbody>
</table>

*Delivered with GeoMedia Desktop only.

To access these documents in GeoMedia Desktop, navigate from the Start menu to Hexagon GeoMedia Desktop 2015 > Developer Documentation.

To access the GeoMedia Object Reference in GeoMedia Objects, go to the .\Resources folder on the product CD.

**NOTE** 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.

**GeoMedia Desktop User Documentation**

<table>
<thead>
<tr>
<th>Document</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GeoMedia Installation Guide</strong></td>
<td>A PDF file that contains instructions for installing the products.</td>
</tr>
<tr>
<td><strong>How Do I Examples</strong></td>
<td>PDF file informational and procedural documents</td>
</tr>
<tr>
<td><strong>Tutorials</strong></td>
<td>PDF file tutorials</td>
</tr>
<tr>
<td><strong>GeoMedia Help</strong></td>
<td>A CHM file that contains instructions for using tools and commands.</td>
</tr>
<tr>
<td><strong>GeoMedia Issues Resolved</strong></td>
<td>A PDF file that lists the product defects that have been fixed for the current release.</td>
</tr>
<tr>
<td><strong>GeoMedia Release Notes</strong></td>
<td>A PDF file that lists the enhancements for the current release</td>
</tr>
</tbody>
</table>
Overview of GeoMedia Installation

<table>
<thead>
<tr>
<th>Document</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GeoMedia Supported Environments</strong></td>
<td>A PDF file that lists the supported software configurations (required and optional) for the products.</td>
</tr>
</tbody>
</table>

*To access these documents, navigate from the Start menu to Hexagon GeoMedia Desktop 2015 > User Documentation.*

**To access these documents, select the links on the Hexagon Geospatial Setup Manager dialog box, look in the C:\Program Files (x86)\Common Files\Intergraph\GeoMedia\Program folder, or go to the Customer Support Portal 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 box 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 box. You can also press SHIFT+F1. When you press SHIFT+F1, the mouse cursor changes to a northwest arrow with a question mark. You can then select a ribbon item, toolbar, or area of a window or dialog box. You can also access 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)\Intergraph\Common Files\Intergraph\GeoMedia\Program\resdlls\0009), and the Deploying Applications Built with GeoMedia Objects PDF under <drive>:\Program Files(x86)\Intergraph\GeoMedia Objects\Program\resdlls\0009.

GeoMedia Viewer Documentation

<table>
<thead>
<tr>
<th>Document</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GeoMedia Installation Guide</strong></td>
<td>A PDF file that contains instructions for installing the product.</td>
</tr>
<tr>
<td><strong>GeoMedia Viewer Help</strong></td>
<td>A CHM file that contains instructions for using tools and commands.</td>
</tr>
<tr>
<td><strong>GeoMedia Supported Environments</strong></td>
<td>A PDF file that lists the supported software configurations (required and optional) for the product.</td>
</tr>
<tr>
<td><strong>GeoMedia Release Notes</strong></td>
<td>A PDF file that lists the enhancements for the current release.</td>
</tr>
</tbody>
</table>
Overview of GeoMedia Installation

<table>
<thead>
<tr>
<th>Document</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GeoMedia Issues Resolved**</td>
<td>A PDF file that lists the product defects that have been fixed for the current release.</td>
</tr>
</tbody>
</table>

To access the first two documents, navigate from the Start menu to Hexagon GeoMedia Viewer 2015 > User Documentation.

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

**To access these documents, select the links on the Hexagon Geospatial Setup Manager dialog box, or go to the Customer Support Portal 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):

<table>
<thead>
<tr>
<th>Utility</th>
<th>GeoMedia Professional</th>
<th>GeoMedia Advantage</th>
<th>GeoMedia Essentials</th>
<th>GeoMedia Viewer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Batch Plotting</td>
<td>X</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Database Utilities</td>
<td>X</td>
<td>X</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Define CAD Server Schema File</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>—</td>
</tr>
<tr>
<td>Define Coordinate System File</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Define Symbol File</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Define Text File Server Format File</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>—</td>
</tr>
<tr>
<td>Define Warehouse Configuration File</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>G/Technology Interoperability Utility</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>—</td>
</tr>
<tr>
<td>Publish Address Geocoding Index</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>—</td>
</tr>
<tr>
<td>Publish to GeoMedia SmartStore Warehouse</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>—</td>
</tr>
<tr>
<td>Schema Remodeler</td>
<td>X</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>
Installing GeoMedia Using Hexagon Geospatial Setup Manager

<table>
<thead>
<tr>
<th>Utility</th>
<th>GeoMedia Professional</th>
<th>GeoMedia Advantage</th>
<th>GeoMedia Essentials</th>
<th>GeoMedia Viewer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transaction Administrator</td>
<td>X</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

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, and Schema Remodeler utilities.

**NOTE** 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.

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.

**NOTE** 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 47).
Hexagon Geospatial Setup Manager User Interface

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

![Hexagon Geospatial Setup Manager](image)

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

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

Configuration

**NOTE** 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 **All Programs > Hexagon Geospatial GeoMedia Desktop 2015 > Utilities > 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**.

**NOTE** **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.

<table>
<thead>
<tr>
<th>Icon</th>
<th>New or Installed Software</th>
<th>Configuration</th>
<th>Complementary Software</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Icon" /></td>
<td>Indicates the selected software is not installed. Or Indicates an installation failure. Check the Event Log for information.</td>
<td>Indicates the installed application of the selected software is not configured. Or Indicates a configuration failure. Check the Event Log for information.</td>
<td>Indicates the complementary software is available but is not installed. Or Indicates an installation failure. Check the Event Log for information.</td>
</tr>
<tr>
<td><img src="image" alt="Icon" /></td>
<td>Installation is in progress.</td>
<td>Configuration is in progress.</td>
<td>Installation is in progress.</td>
</tr>
<tr>
<td><img src="image" alt="Icon" /></td>
<td>Installation is successful.</td>
<td>Configuration is successful.</td>
<td>Installation is successful.</td>
</tr>
</tbody>
</table>

Looking at GeoMedia Desktop Tiers and Products

GeoMedia Desktop Tiers

**GeoMedia Desktop 2015** contains the following three product tiers:

- GeoMedia Essentials
- GeoMedia Advantage
- GeoMedia Professional
After installing GeoMedia Desktop, you select the appropriate tier in the **GeoMedia Desktop Configuration Wizard**, as described in the Configuring the Installed Application (see "Configuring the Newly Installed Applications" on page 26) 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**
Installing GeoMedia Using Hexagon Geospatial Setup Manager

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

**NOTE** The GeoMedia tiers do not appear in the Control Panel > Programs and Features list; what appears instead is Hexagon GeoMedia Desktop 2015.

The installation procedures for tiers involve two separate 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 2015 – 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 2015.

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

You can also install Intergraph Licensing from under Supporting Software. Intergraph 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:

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

GeoMedia Desktop 2015 is selected by default.

OR

Select GeoMedia Viewer 2015 or GeoMedia Objects 2015.

OR

Click the plus sign (+) to the left of GeoMedia Desktop Extensions 2015 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.

<table>
<thead>
<tr>
<th>Version</th>
<th>Status</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.00.0000.00678</td>
<td><img src="check" alt="Install" /></td>
<td>Install</td>
</tr>
</tbody>
</table>

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

NOTE 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.

![InstallShield Wizard Welcome screen](image1)

6. Accept the terms in the license agreement, and then click **Next** to open the **Custom Setup** dialog box.

![License Agreement dialog box](image2)
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 examples:
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.

```
![Change Current Destination Folder 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 GeoMedia and ERDAS products older than 2015.*
9. If you do not have a previous version of the exact product installed, click **Install** to start installation.

OR

If you have a previous version of the exact product installed, a dialog box similar to the following is displayed. Click **Install** to remove the previous version and to start installing the new version.

OR
Installing GeoMedia Desktop Products

If you have products other than the previous version of the exact product being installed, a dialog box similar to the following is displayed. You must exit setup, remove the products using standard Control Panel procedures, and then run setup again.

![Hexagon GeoMedia Desktop 2015 Installer Information]

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 26).

   **NOTE** 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 All Programs > Hexagon GeoMedia Desktop 2015 > Utilities > 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 47) section.

**NOTE** After you have installed GeoMedia Desktop, you will see Hexagon GeoMedia Desktop 2015 in the Control Panel > Programs and Features list. You will not see the name of a GeoMedia product tier.

<table>
<thead>
<tr>
<th>Name</th>
<th>Publisher</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexagon GeoMedia Desktop 2015</td>
<td>Hexagon Geospatial</td>
</tr>
</tbody>
</table>

### Configuring the Newly Installed Applications

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

**NOTES**

- You can also access the Configuration Wizard from the **Start** menu (Start > All Programs > Hexagon GeoMedia Desktop 2015 > Utilities > 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 All Programs > Hexagon GeoMedia > Utilities > 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**.

**NOTES**

- The default option is **Professional** when a configuration has not been defined. If a configuration has been defined, the dialog box 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.

![Image of GeoMedia Desktop 2015 Configuration Wizard]

**NOTES**

- 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.

**IMPORTANT** 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 existing license configuration**.
Invalid License or No License Defined Workflow

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

If no license is defined on the client, or an invalid license is defined on the client, the **License Not Found** dialog box is displayed for you to set up your license. This dialog box provides information on the current license status and the ability to modify some of the license parameters.

The field at the upper left provides detailed information on the current license status. The **Concurrent** option is the default licensing method, and the **Check License Status**, **Specify License Servers**, and **Close** buttons are always enabled.
**License servers** field provides a list of the defined license servers specified on the client. This is defined as a *Concurrent License Source* in the Intergraph License Administration utility.

b. Click **Check License Status**.

c. For a **Concurrent** license, click **Specify License Servers** to display the Specify License Servers dialog box.

Any modifications that have been made on this dialog box are authenticated and reported accordingly. In the initial case where no license is found, specific information about the missing license is reported.

The License servers listed on this dialog include both the Concurrent License Source and the Nodelocked License Source that are currently defined.

**NOTE** When license sources have not been defined before the GeoMedia product installation with the Intergraph License Administration utility, the License servers defined in the dialog will specify the default definition for the Nodelocked License Source - the default License folders location.

Next, specify your license server in the **License servers** field by TCP/IP address or DNS name (@server name), as follows:

Syntax:
PORT@LICENSE_SERVER_NAME

Where the port number is optional, depending on the license server configuration.

License server definitions can be specific to a Concurrent License Source or a Nodelocked License Source, or can include both.

**NOTE** Specifying new license servers or modifying the definition of existing license servers on this dialog box does not authenticate the license definition. Any changes made to the licensing method should be authenticated through the Check License Status operation before leaving this dialog box.

For more information on configuration of the license server, see [http://support.intergraph.com/Licensing.asp](http://support.intergraph.com/Licensing.asp).

OR

For a Nodelocked license, select the Nodelocked option.

Use the Host ID displayed with your License Authentication Code (LAC) to generate your license at [http://www.intergraph.com/cgi/license](http://www.intergraph.com/cgi/license).

Next, copy your license file to the path specified in the License folders field. The License folders field provides a list of the defined license folders specified on the client. This is defined as a Nodelocked License Source in the Intergraph License Administration utility.
NOTE The Concurrent and Nodelocked licensing methods defined on this dialog correspond with the Client license source definitions specified in the Intergraph License Administration utility, which is part of the Intergraph Licensing product. The Intergraph Licensing product is available for installation and listed under Supporting Software in the Software tree-view in Hexagon Geospatial Setup Manager. If the Intergraph Licensing product has not been installed before installing the GeoMedia products, a default Nodelocked License Source (License folders) will be defined as C:\Users\Public\Intergraph\Licenses. There is no default Concurrent License Source (License servers). If the Intergraph Licensing product has been installed before installing the GeoMedia products, the Concurrent License Sources defined will be listed as the available License servers. Similarly, the Nodelocked License Sources defined will be listed as the available License folders. Concurrent License and Nodelocked License Sources can be defined simultaneously, and will appear collectively on the Specify License Servers dialog.

OR

License Defined Workflow
If you have a valid license, the Client License dialog box 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 want to modify or to review the licensing method and license server definition, select the Modify existing license configuration option, click Next to display the
5. Click **Close**.

6. If complementary software is available for your site, the **Complementary Software** dialog box 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 47) 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:
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 2015 or GeoMedia Objects 2015 from the Software list box.
c. In the Configuration box Action list, click Modify, repair, or remove to display the Wizard Welcome screen.

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

![Product Tier Selection]

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

![Desktop Language Selection]
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 Selecting the Runtime Language for Localized Versions

The language used for the GeoMedia product installation is English. After the product installation has completed, the GeoMedia Configuration Wizard is used to specify the appropriate language to use for the installed product. The GeoMedia product installation does not provide additional language options. Therefore if non-English GeoMedia product languages have not been installed before the GeoMedia product installation, English will be the only language option available when running the GeoMedia Configuration Wizard. GeoMedia product language options are provided as Language Packs on the Intergraph Product Download Portal http://download.intergraph.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.

NOTE Language Packs are specific to versions of the GeoMedia product installation, so it will be necessary to download updated versions of the Language Packs for each release.

To install languages and select the runtime language for localized versions:

2. Define the appropriate language to use in the GeoMedia Configuration Wizard on the Desktop Language dialog box.

NOTE Configuring GeoMedia for specific languages is accomplished through the Configuration Wizard. The Configuration Wizard is initiated as part of the product installation process. The Configuration Wizard is also provided as a utility in the Start menu to enable the modification of the product configuration after the initial product installation.
Installing Languages and Selecting the Runtime Language for Localized Versions

installation. Defining the required language can occur during the initial product installation, or can be modified after the initial product installation.

- 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.

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

3. Upon completion of defining the required language in the Configuration Wizard, click **Finish**.

![GeoMedia Desktop Configuration Wizard](image)

**NOTE** 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 **All Programs > Hexagon GeoMedia Viewer 2015 > Utilities > GeoMedia Configuration Wizard**.

Once configured, if complementary software is available for your product, the Complementary Software dialog box is automatically displayed. See Complementary Software in *Installing GeoMedia in Silent Mode* (see "Installing GeoMedia in Silent Mode" on page 47).
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 mouse 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 box, 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\CoordSystems\Program;
Licensing GeoMedia Products

The GeoMedia 2015 suite of applications uses a licensing scheme based on FlexNet Publisher®, a popular license manager used in the software industry. The two licensing methods of FlexNet Publisher licensing used by the GeoMedia suite of products are concurrent and nodelocked.

Please visit our licensing website link (http://www.hexagongeospatial.com/support/licensing) through which you can access the Hexagon Geospatial & Intergraph Licensing (https://sgisupport.intergraph.com/infocenter/index?page=licensing_resources) website 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 or configuring a license server.

To obtain your software license(s), you will need the License Authentication Code (LAC) included with your software package and a Host ID for the license server system. The LAC should have been included with your software package.

NOTE You can install Intergraph Licensing from under Supporting Software on the Hexagon Geospatial Setup Manager if you need to configure your workstation as a license server.

If you receive a License Not Found error, there is a problem with the product license. A valid license is required for this product. For new installs, it is possible the license is either in the wrong location or has not been configured properly.

For concurrent license users, make sure there is an available license and not all the existing licenses on the license server are being used.

NOTE GeoMedia Viewer is a free, unlicensed product.

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 Start > All Programs > Hexagon GeoMedia Desktop 2015 > GeoMedia Professional / GeoMedia Advantage / GeoMedia Essentials.

OR

Select Start > All Programs > Hexagon GeoMedia Viewer 2015.

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 47).

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.

**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.
   
   **NOTE** Removing *Hexagon GeoMedia Desktop 2015* removes the GeoMedia product tiers.
3. In the *Installed Software* box *Action* list, click Modify, repair, or remove.
4. When the Wizard dialog box opens, click Next to open the Program Maintenance dialog box.
5. Carefully read what the Remove option does, and if appropriate, select the Remove option, and then click Next.

![Program Maintenance](image)

6. Follow the prompts to remove the product.
Troubleshooting Installation Using Logs

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

   NOTE: The GeoMedia tiers do not appear in Control Panel; what appears is Hexagon GeoMedia Desktop 2015.

Removing Previous Versions of Products

You can remove previous versions of GeoMedia and Add-on products with the Windows Control Panel.

To remove previous 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. To remove a major release version of a product, on the Uninstall or change a program dialog box, select the product to remove, and then click Uninstall.
   OR
   To remove a minor release version of a product, on the Uninstall or change a program dialog box, select View installed updates, select the product to remove, and then click Uninstall.

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

Removing ERDAS Versions of Products

In some scenarios, the removal of ERDAS IMAGINE 2015 may introduce instability with the installed GeoMedia Viewer 2015 product. If this occurs, run a repair on GeoMedia Viewer 2015. There are no issues with the installation of GeoMedia Desktop 2015 after removing ERDAS IMAGINE 2015.

Troubleshooting Installation Using Logs

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

- 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.

**NOTE** 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.
   **NOTE** 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

**NOTE** 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"
```
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

`Wilogutl.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.

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

GeoMedia does not have any prerequisite installations.

Basic Parameters for Hexagon Geospatial Setup Manager

To start the Hexagon Geospatial Setup Manager, which is Setup.exe in the rest 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.

<table>
<thead>
<tr>
<th>Name as it appears in the Hexagon Geospatial Setup Manager dialog box</th>
<th>SubfolderName under Repository folder on Media/DVD</th>
<th>SoftwareProductName</th>
<th>ConfigurableApplicationName</th>
</tr>
</thead>
<tbody>
<tr>
<td>GeoMedia Desktop 2015</td>
<td>GeoMedia</td>
<td>GeoMedia</td>
<td>GeoMedia</td>
</tr>
<tr>
<td>GeoMedia Objects 2015</td>
<td>GeoMediaObjects</td>
<td>GeoMediaObjects</td>
<td>GMO</td>
</tr>
<tr>
<td>GeoMedia Viewer 2015</td>
<td>GeoMediaViewer</td>
<td>GeoMediaViewer</td>
<td>GMV</td>
</tr>
</tbody>
</table>
Installing GeoMedia in Silent Mode

Operation and Optional Arguments Parameters Table

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
<th>Optional Arguments</th>
</tr>
</thead>
<tbody>
<tr>
<td>/n[i</td>
<td>r</td>
<td>s</td>
</tr>
<tr>
<td>/c[s]</td>
<td>Launches an installed configuration wizard to configure GeoMedia product or return status of configuration. ConfigurableApplicationName is required when /c is used.</td>
<td></td>
</tr>
<tr>
<td>/u[s]</td>
<td>Launches customer-authored complementary software setup within the script Repository\SubfolderName\ComplementarySoftwareSetup.wsf.</td>
<td>Parameters to be passed to complementary software setup.</td>
</tr>
</tbody>
</table>

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

**NOTE** 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

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

Complete Set of Parameters for Hexagon Geospatial Setup Manager

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

<table>
<thead>
<tr>
<th>Option</th>
<th>Parameters (SoftwareProductName)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>/s</td>
<td>GeoMedia GeoMediaObjects GeoMediaViewer</td>
<td>Specifies silent mode</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Option</th>
<th>Parameters</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>/n</td>
<td>[i</td>
<td>r</td>
</tr>
</tbody>
</table>
| 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. |
## Installing GeoMedia in Silent Mode

<table>
<thead>
<tr>
<th>Option</th>
<th>Parameters</th>
<th>Description</th>
</tr>
</thead>
</table>
| s            | Returns installation status. Optional. Valid exit code values are as follows:  
  - 0 – Not installed.  
  - 1 – Installed version is up-to-date.  
  - 2 – Installed version is lower.  
  - 3 – Installed version is higher.  
  - -1 – Unable to find installation status. |
| x            | Uninstalls software in silent mode. Optional. |

### GeoMedia products public properties

The following are the public properties:

- **INSTALLDIR** – Destination folder for the installation.
- **ACCEPT_EULA** – End user license agreement flag.
  - 0 - The EULA is not accepted. This is the default value.
  - 1 - The user has read and accepted the EULA. The software does not install until the value is 1.

### Windows Installer public properties

Some commonly used standard Windows Installer public properties are as follows:

- **ADDLOCAL** – Installs a list of selectable features delimited by commas, or ALL. Features are listed in the *GeoMedia 2015 Installer Features* table. Feature names are case sensitive.
- **REMOVE** – Uninstalls a list of selectable features delimited by commas, or ALL. Features are listed in the *GeoMedia 2015 Installer Features* table. Feature names are case sensitive.
## Installing GeoMedia in Silent Mode

<table>
<thead>
<tr>
<th>Option</th>
<th>Parameters</th>
<th>Description</th>
</tr>
</thead>
</table>
| /c     | [s]        | Launches `Intergraph.GeoMedia.ConfigurationWizard.exe` from where the specified GeoMedia product is actually installed or returns configuration status. Requires the `/s` option above.  

Valid `ConfigurableApplicationName` values (case sensitive) are as indicated in the [Installable GeoMedia Names Table](#).  

To adjust GeoMedia configuration options, you must first overwrite values in the `Intergraph.GeoMedia.ConfigurationWizard.exe.config` file, where the GeoMedia product is actually installed, and then use this option. See the [GeoMedia Configuration Wizard Parameters Table](#) for specific values to be overwritten. |
| s      |            | Returns configuration status. Valid exit code values are as follows:  

- 0 – Not configured.  
- 1 – Configured.  
- -1 – Unable to find configuration status. |

<table>
<thead>
<tr>
<th>Option</th>
<th>Parameters</th>
<th>Description</th>
</tr>
</thead>
</table>
| /u     | [s]        | Launches customer-authored complementary software setup within the script `Repository\SubfolderName\ComplementarySoftwareSetup.wsf` or returns the complementary setup install status. Requires the `/s` option above.  

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.  

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, `.xml`, `.config` or any other file type). The file name and location can be an input command line argument. |
## Installing GeoMedia in Silent Mode

<table>
<thead>
<tr>
<th>Option</th>
<th>Parameters</th>
<th>Description</th>
</tr>
</thead>
</table>
|        |            | When a property value contains spaces, you must enclose that property value with triple backslash and double quotation mark (\"\"\`).  
Example:  
INSTALLDIR=\"c:\Test Installations\" |
| s      | Returns complementary software setup status. Valid exit code values are as follows:  
- 0 – Not configured.  
- 1 – Configured.  
- -1 – Unable to find complementary software install status. |

### 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:

```
(\YourGeoMediaDVDFolderName folder must contain the Hexagon Geospatial Setup Manager, which is `Setup.exe`):
C:\Temp\InstallNConfigureGeoMedia.bat \YourGeoMediaDVDFolderName
```

### 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:

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

52
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
Installing GeoMedia in Silent Mode

Example Intergraph.GeoMedia.ConfigurationWizard.exe.config

**NOTE** 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
<?xml version="1.0"?>
<configuration>
    <configSections>
        <sectionGroup name="applicationSettings" type="System.Configuration.ApplicationSettingsGroup, System, Version=2.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089">
        </sectionGroup>
    </configSections>
    <applicationSettings>
            <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">
```
Installing GeoMedia in Silent Mode

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

Override the Default Installation Location
To install GeoMedia at the \texttt{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 2014 to GeoMedia Desktop 2015:
```
Setup.exe /s GeoMedia /ni
```
Uninstall a Removable Update
To uninstall a removable update (Engineering Patch, Service Pack, and Minor Release) of GeoMedia Desktop 2015:

    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

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

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
type="System.Configuration.ClientSettingsSection, System,
Version=2.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089"
requirePermission="false"/>
</sectionGroup>
</configSections>

<applicationSettings>
<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>
</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.


<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Description</th>
<th>Default Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LicenseServerName</td>
<td>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</td>
<td>Empty</td>
</tr>
<tr>
<td>RuntimeLCID</td>
<td>Specifies GeoMedia runtime language culture ID (LCID) in decimal.</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Language</td>
<td>LCID (Decimal)</td>
</tr>
<tr>
<td>English</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>German</td>
<td></td>
<td>7</td>
</tr>
<tr>
<td>OverwriteSampleData</td>
<td>Set to True to overwrite existing sample data with that included in the new version.</td>
<td>False</td>
</tr>
<tr>
<td>OverwriteSharedRules</td>
<td>Set to True to overwrite existing shared rules files with that included in the new version.</td>
<td>False</td>
</tr>
</tbody>
</table>
Installing GeoMedia in Silent Mode

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Description</th>
<th>Default Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remove</td>
<td>Set to True to remove the configuration. False allows installation and changes to the configuration, but does not remove it.</td>
<td>False</td>
</tr>
<tr>
<td>Tier</td>
<td>Specifies GeoMedia runtime tier value.</td>
<td>2</td>
</tr>
<tr>
<td>Tier Value</td>
<td>Essential 0, Advantage 1, Professional 2</td>
<td></td>
</tr>
</tbody>
</table>

GeoMedia Desktop 2015 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.

<table>
<thead>
<tr>
<th>Feature ID</th>
<th>Subfeature of</th>
<th>Description</th>
<th>Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>GeoMedia</td>
<td></td>
<td>Installs files necessary for GeoMedia</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Complementary Software

This information applies if you have received complementary software along with your distribution of GeoMedia Desktop 2015.

Install

To install the complementary software:

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

Get Setup Status

To get the complementary software setup status of GeoMedia Desktop 2015:

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 2015:
Installing GeoMedia in Silent Mode

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 and phone support.

**Self-help Support Tools**

Hexagon Geospatial provides several electronic self-help support tools to answer your support questions 24 hours a day, 7 days a week.

2. Under the Please Sign In heading, type your user name and password and click Login. If you are not a registered user, click the Not a Registered User? link.

To search the knowledge base:
1. In the Knowledge Search box on the left, type your question or key words for a search.
2. In the box to the right of the Knowledge Search box, begin typing the product name. Then select the product from the drop-down list. If you want to search among all products, leave the second box empty. This field is case sensitive.

To search posted documents for your product:
1. Click the Products (A-Z) tab.
2. From the Product Family list, click the link to your product family.
3. On the Family page for your product, click the link for GeoMedia.
4. Select the desired document from the Product Information list.

**NOTE** Release Notes and Issues Resolved might not be available for the initial release of a product because an initial release has all new features and no updated features. Some minor releases might not provide Release Notes or Issues Resolved.

**Phone Support and Other Links**

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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Use a Web browser to connect to Intergraph Online (http://www.intergraph.com).

For general Intergraph information, call 1-800-791-3357 (U.S.) or 001-256-730-2000 (international).