GeoMedia WebMap
Installation Guide

SECURITY, GOVERNMENT & INFRASTRUCTURE

September 2014
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SECTION 1

Overview

The GeoMedia WebMap Installation Guide provides information for installing the product: GeoMedia WebMap Professional, GeoMedia WebMap Advantage, or GeoMedia WebMap Essentials.

The diagram below shows the GeoMedia WebMap installation process.

[Diagram showing installation process]

NOTE The instructions and pictures in this document may appear slightly different from the software depending on your operating system and on which tier of GeoMedia WebMap you are installing (GeoMedia WebMap Professional, GeoMedia WebMap Advantage, or GeoMedia WebMap Essentials).

What is GeoMedia WebMap

GeoMedia WebMap is a web-based map visualization and analysis product, enabling you to build a geospatial interactive web site or web service. The GeoMedia WebMap Publisher tool that is a part of GeoMedia WebMap provides a means for you to build such a web site or web service without doing any web programming. Or, alternatively, all of the programmable objects are available to you in GeoMedia WebMap to build your own site or add geospatial capabilities to an existing site.

GeoMedia WebMap provides direct, real-time access to geospatial data warehouses of all the geospatial formats supported by GeoMedia. And, it provides all of the spatial analysis functionality of GeoMedia. This means that you can use it to build a web site that gives thin clients with nothing more than a web browser a powerful, dynamic, and open geospatial application previously available only in a desktop application.
Further, it provides a web presentation technology and a fully scalable web architecture. The web presentation technology allows you to generate your maps in either a raster or vector format, suitable for transport and rendering over the web. The scalable web architecture provides a server-side technology for ensuring that your web application will scale to meet the needs of web clients as usage demands increase.

What is GeoMedia WebMap Publisher

GeoMedia WebMap Publisher is a tool that allows users to set up a GeoMedia WebMap website using GeoMedia, enabling users to publish maps on the web without having to write a single line of code.

The GeoMedia WebMap Publisher Administrator is a custom command that runs in GeoMedia and exports the contents of a GeoWorkspace, including connections and map windows, from GeoMedia to the Publisher server source (database). This service source, which contains data that describes the geographical data, is then read and interpreted by the GeoMedia WebMap Publisher Portal, which presents the maps (and other data) accordingly.

GeoMedia WebMap Publisher Administrator

The GeoMedia WebMap Publisher Administrator is a GeoMedia custom command that is used to export your data from a GeoWorkspace to a GeoMedia WebMap Publisher Portal, WMS (Map) / INSPIRE View Service, or WFS (Feature) Service and to perform the basic setup of the instance itself.

You can use the WebMap Publisher Administrator to quickly build a GeoMedia WebMap Publisher Portal, WMS (Map) / INSPIRE View Service, or WFS (Feature) Service from your GeoWorkspace through the Publish GeoWorkspace to the Web command. When publishing to a GeoMedia WebMap Publisher Portal, this command automatically creates maps for each of your map windows, displaying your GeoWorkspace on the web just as you view it in GeoMedia. You can also set up parameterized queries, and you can customize legend entries with hotspot actions. When publishing to a WMS (Map) / INSPIRE View Service, or WFS (Feature) Service, this command publishes the active map window in GeoMedia as your web service data.

All of the setup for your application's data is performed directly inside of GeoMedia. With GeoMedia WebMap Publisher, you can work with your web application or service right alongside your GIS data in GeoMedia.

Service Source

The content of GeoWorkspace, including connections and map windows, is exported to the Service Source. Service Source – acts as data source to the service instances for:

- GeoMedia WebMap Publisher Portal,
- WMS,
- WFS.

The Service Source is defined by using GeoMedia WebMap Publisher Administrator. The GeoWorkspace is defined in GeoMedia Desktop application. (The GeoMedia Desktop application is not provided with GeoMedia WebMap).

Service Source uses one of three types of data stores Microsoft Access, SQL Server, or Oracle. Once the map contents is configured in the GeoWorkspace it can be published to the Service Source, next the Service Source is registered as the source of GeoMedia WebMap services.
service instances instantiated with GeoMedia WebMap read information from the service source and present this information accordingly in the instance.

<table>
<thead>
<tr>
<th>Service Source Type</th>
<th>Used by:</th>
</tr>
</thead>
<tbody>
<tr>
<td>WebMap Publisher Portal</td>
<td>WebMap Publisher Portal</td>
</tr>
<tr>
<td>WFS (Feature)</td>
<td>WFS (Feature) Service</td>
</tr>
<tr>
<td>WMS (Map)</td>
<td>WMS (Map) / INSPIRE View Service</td>
</tr>
</tbody>
</table>
Prerequisites for a New Installation

Before you install GeoMedia WebMap:

- Verify that your system meets or exceeds the requirements for GeoMedia WebMap 2014 listed in the GeoMedia WebMap Supported Environments document. This document is available from the Intergraph Setup Manager (see: Intergraph Setup Manager) or GeoMedia WebMap Welcome Page (see: Welcome Page).

- Verify that you have Microsoft® .NET Framework 4.0 Full Package or higher installed on your system. In case version 4.0 or higher of Microsoft .NET Framework is not installed yet on the server, it will be installed automatically by product setup prior to WebMap installation. See Microsoft documentation for more information on installing and using .NET.

- If you expect to use GeoMedia WebMap with MGE, MGDM, 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.

To use the Oracle® Object Model data server, you must load the Oracle client software before installing GeoMedia WebMap.

- Verify that you have administrator privileges on the system where you want to install GeoMedia WebMap.

Notice that previous versions of GeoMedia WebMap are not uninstalled automatically from the server once you run setup of current product version. You are not be able to install this version over a previous version, thus, make sure that all previous versions of WebMap product are already uninstalled from the server.

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

GeoMedia WebMap 2014 (including GeoMedia WebMap Publisher) is compatible with GeoMedia desktop version 14.00.00.

IIS 7 Windows Authentication role needs to be installed before configuring the product.

Windows® Identity Foundation (WIF) is a framework for building identity-aware applications and is a required prerequisite for Geospatial Portal and for GeoMedia WebMap Publisher Portal. WIF may be downloaded from http://www.microsoft.com/en-us/download/details.aspx?id=17331. For Windows Server 2008 R2, select Windows6.1-KB974405-x64.msu for download. Downloading WIF is not necessary if you are using Windows Server 2012 or later as it is included with .NET 4.5.
**Windows Server 2012 Additional Requirements**

The "Server with a GUI" installation option is required. Specifically, the Windows Server 2012 "Server GUI Management Infrastructure" component *MUST* be installed (this provides MSVBVM60.dll and DAO which are required by GeoMedia WebMap).

The Windows Server 2012 "Server GUI Shell" sub-component is optional (this provides "Explorer.exe").

Also, if down-grading Windows Server 2012 from GUI to no-GUI, you should un-install only the "Server GUI Shell" component. Uninstalling "Server GUI Mgmt Infra" also removes DAO.

.NET Framework 4.5 must be installed if running GeoMedia WebMap on Windows Server 2012.
Prerequisites for Upgrade from Previous Version

**IMPORTANT** If GeoMedia WebMap is the only Hexagon Geospatial server product[*] installed, then uninstall the old version before you install the 2014 version.

If you have any other Hexagon Geospatial server products[*] installed on the same machine, you must uninstall those products before installing GeoMedia WebMap 2014. After installing the GeoMedia WebMap 2014, install the other 2014 server products.

Administration Console previous GUI instances are not compatible with 2014 server products. When running a product’s Configuration Wizard, you must check ‘Recreate’ in the Administration Console GUI Instance configuration window, as shown in the picture below.

![GeoMedia WebMap Configuration Wizard](image)

**NOTE** [*] Intergraph Geospatial server products are: ERDAS APOLLO Essentials/Advantage/Professional, GeoMedia WebMap Essentials/Advantage/Professional, Geospatial SDI, Geospatial Portal.
Installing GeoMedia WebMap 64-bit Foundation

If you are installing the product on a 64-bit machine, you need to install GeoMedia WebMap 64-bit Foundation first, and then install GeoMedia WebMap.

To install GeoMedia WebMap 64-bit Foundation:

1. Select this entry from the list.
2. In the **New Software** box, click **Install** under **Action**.

![New Software Table]

The installation process begins for the selected software. The splash screen is displayed and the InstallShield Wizard started.

**NOTE:** Once software is installed, you can also **Modify**, **repair**, or **remove** the selected software.

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

![InstallShield Welcome Screen]
4. Accept the terms in the license agreement, and then click **Next** to open the **Custom Setup** dialog box.

**NOTE** Some common components of GeoMedia WebMap such as the Administration Console are always installed to the C:\ drive, even if you select another drive for the installation directory.
5. Optional: Click **Change** to change the installation folder on the **Change Current Destination Folder** dialog box, and then click **OK**.

OR
Continue to the next step without changing the destination folder.

6. Click **Next** to continue with the installation.
7. Click **Install**.

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

9. You are returned to the **Intergraph Setup Manager** dialog box.

**NOTES**

GeoMedia WebMap is a 32-bit application, but it can be run on most 64-bit processors. Loading GeoMedia WebMap on a 64-bit operating system will result in a few changes in license file locations, registry entries, and use of Microsoft Windows tools.

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

Registry Entries – GeoMedia WebMap and related registry entries are different on a 64-bit operating system. GeoMedia WebMap 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 WebMap on a 64-bit operating system is HKEY_LOCAL_MACHINE > Software > Wow6432Node > Intergraph. If the FLEXlm entry for GeoMedia WebMap licensing needs to be modified for license file location or concurrent license server reference, it is also in the new location at HKEY_LOCAL_MACHINE > Software > Wow6432Node > FLEXlm license manager.

Executing Native and 32-bit Applications on 64-bit Computers – In addition to native (that is, 64-bit) applications, Windows 64-bit operating systems can also run 32-bit applications. Therefore, any 32-bit application used in conjunction with GeoMedia can also be executed on a 64-bit computer. To distinguish between 32-bit and 64-bit system-level applications, two different system folders are used by the underlying operating system. 64-bit system-level applications can be found in C:\Windows\System32, and 32-bit system-level applications are located in the C:\Windows\SysWOW64 folder. Users should use caution when browsing to select the appropriate system folder to ensure that the correct application is executed.
Installing GeoMedia WebMap

1. From your delivery media run **Setup.exe**.
2. In the **Software** list box, click the plus sign (+) to the left of GeoMedia WebMap to expand the product list.

As you hover your cursor over an entry in the **Software** list, you see a descriptive tooltip.
To install GeoMedia WebMap Essentials, GeoMedia WebMap Advantage, or GeoMedia WebMap Professional, select **GeoMedia WebMap** 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**.
The installation process begins for the selected software by displaying the splash screen and by starting the InstallShield Wizard.

**NOTE** Once software is installed, you can also **modify**, **repair**, or **remove** the selected software.

5. Click **Next** on the InstallShield Wizard Welcome screen.
6. Accept the terms in the license agreement, and then click **Next** to display the **Custom Setup** dialog box.
7. Select the appropriate product mode from the list. By default, **GeoMedia WebMap Essentials** is selected. If you want to install a different product mode, click the down arrow beside the product you want to install, and then select the **This feature will be installed on local hard drive** option.

Some common components of GeoMedia WebMap such as the Administration Console are always installed to the C:\ drive, even if you select another drive for the installation directory.
8. *Optional:* Click **Change** to change the installation folder on the **Change Current Destination Folder** dialog box, and then click **OK**.

OR

Continue to the next step without changing the destination folder.

9. Click **Next** to continue with the installation.
Installing GeoMedia WebMap

10. Click **Install**.

11. When the product is installed, click **Finish**.
You are returned to the **Intergraph Setup Manager** dialog box.

Configure the newly installed product by using the procedure as described in the next section: Configuring the GeoMedia WebMap

**OR**

Click to close the **Intergraph Setup Manager**.

**NOTE** If you do not configure the product, you will be prompted to do so before you can start the product. For more information about Configuring GeoMedia WebMap see *Configuring the GeoMedia WebMap* topic.
After installation is complete, the GeoMedia WebMap Configuration Wizard automatically starts if the product needs to be configured. The Wizard allows you to configure more than one application at the same time. Alternatively, you can configure the product from Intergraph Setup Manager, as shown in the image below, by selecting **Configure**, or you can run the GeoMedia WebMap Configuration Wizard at any time from the Start menu.

**IMPORTANT** IIS 7 Windows Authentication role needs to be installed before configuring the product.

**NOTE** The example below uses GeoMedia WebMap Essentials

**NOTE** If you do not configure the product, you will be prompted to do so before you can start the product.
1. Click **Next** on the Configuration Wizard Welcome screen.
2. A list of features is displayed. If any of the features are shown as missing or not enabled, click **Configure features**.
If you clicked **Configure features**, select the features that are missing from the dialog box that is displayed, and click **OK**.
3. The license for GeoMedia WebMap is located. If it is not located, follow the directions on the dialog box to get a license for GeoMedia WebMap.

![GeoMedia WebMap Configuration Wizard]

A valid license was found for Intergraph GeoMedia WebMap Essentials 14.00.0000.00059

Click Next to continue

Please visit http://www.intergraph.com/cgi/license to get the license for GeoMedia WebMap.

4. The **DCOM configuration information** screen lets you set the DCOM settings. You take or change the default values for the **Web Site for DCOM Configuration** and **WebMap Log Directory** fields. Then, select the values that you want for the **WebMap Publisher Projects**
You can change these values later by running the Administration Console.
5. Click **Next**, and then specify the **Cache Virtual Directory Settings** for GeoMedia WebMap.

![GeoMedia WebMap Configuration Wizard](image)

- **Web Site**: Default Web Site
- **Virtual Directory**: GWN
- **Path**: C:\GWM
- **Cleanup (minutes)**: 25

If you want to skip these settings for now and define them later by using the Administration Console, check the **Skip Cache virtual directory settings** option.

6. If you want to add a virtual directory, click **Add**.

![Add Virtual Directory](image)

- **Web Site**: Default Web Site
- **Name**: 
- **Path**: 

Type the **Name**, and type or browse for the **Path** of the virtual directory. Click **OK**.

7. If you want to edit an existing virtual directory, click **Edit**, and the following dialog box is displayed:
8. Click **Next**, and specify the **GWMSHare Virtual Directory Settings**. GWMShare is a share you can use for general purposes for your web sites. For SVG and GWM Vector output, it is used as the default location for client (and some server) source files.

   ![GWMSHare Virtual Directory Settings](image)

   You can edit the **Name** or **Path** of the virtual directory.

9. If you want to skip these settings for now and define them later by using the Administration Console, check the **Skip GWMSHare virtual directory settings** option.

   ![GWMSHare Virtual Directory Settings](image)

   **NOTE**: If you want to skip these settings for now and define them later by using the Administration Console, check the **Skip GWMSHare virtual directory settings** option.

9. Click **Next**, and then specify the **Mime types** that are required for GeoMedia WebMap. You will need to add the MIME types for the various file types (xmlz (text/xml), svg (image/svg+xml), cgm (image/cgm), xsd, wsdl, and so forth) you plan on serving your clients.
using GeoMedia WebMap.

The following mime types were added in the IIS:

xmlb(image+text/xml)
svg(image/svg+xml)
svgz(image/svg+xml)
cgm(image/cgm)
10. Click **Next**. Specify the **Application Name** for the **Administration Console**, or take the default name.
11. When you have specified the **Application Name**, click **Next**.

12. A **Summary** displays, as shown in the example below.

13. If you want to change any of your settings, click **Back**. Otherwise, click **Finish**.
Click **Close**.

You can re-run the **Configuration Wizard** at any time by selecting **GeoMedia WebMap Configuration Wizard** from the **Intergraph GeoMedia WebMap** product folder on the **Start**
Configuring the GeoMedia WebMap menu.

![Intergraph Setup Manager](image)

**Installed Software:**

<table>
<thead>
<tr>
<th>Version</th>
<th>Status</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.00.0000.00059</td>
<td>✔</td>
<td>Modify, repair, or remove</td>
</tr>
</tbody>
</table>

**Configuration:**

<table>
<thead>
<tr>
<th>Application</th>
<th>Status</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>GeoMedia WebMap Essentials</td>
<td>✔</td>
<td>Modify, repair, or remove</td>
</tr>
</tbody>
</table>
If the Administration Console is already installed in the system you can leave an existing Administration Console or recreate it by selecting an appropriate option as shown in the picture below. If you choose the **Recreate** option the previous version will be removed before the new version is installed.

**Warning:** Administration Console is already installed. Previous version will be removed before installed new version.
Registering the Publisher Administrator in GeoMedia

GeoMedia WebMap setup also installs GeoMedia WebMap Publisher, which allows you to set up a GeoMedia WebMap web site using GeoMedia WebMap and to publish maps on the Web without having to write a single line of code. You can alternatively install GeoMedia WebMap Publisher separately on a computer that does not have GeoMedia WebMap installed on it, but does have a GeoMedia desktop product installed on it.

**NOTE** If you install GeoMedia WebMap after installing a GeoMedia desktop product, registration should be done automatically and you would not need to select this command.

The **Register Administrator in GeoMedia** command registers the Publisher Administrator in the GeoMedia applications that are installed on the system. From the Publisher folder, select the **Register Administrator in GeoMedia** command, and the following dialog box is displayed:

The list displays all of the GeoMedia applications on the system. You can check an application to register the Administrator in that application, or you can uncheck an application to unregister the Administrator from that application. After you have made your selections, click **OK** to register and/or unregister the Administrator according to your selections.

**NOTE** You can run this utility at any time to register or unregister the Administrator in your GeoMedia applications. You do not need to run this utility to unregister the Administrator in your applications before uninstalling GeoMedia WebMap as this is done automatically.

**IMPORTANT** Publisher Administrator users are required to launch GeoMedia by using "Run as Administrator."
Licensing GeoMedia WebMap (and Publisher Administrator)

The **License Administrator Utility** lets you manage all of the software licenses that are available for your machine to review in order to run the GeoMedia WebMap application that is installed on your machine. Every time you start GeoMedia WebMap, it searches for a license for that product. If it does not find a license, the product cannot be run. It is necessary to add a license source for GeoMedia WebMap in order to run the application.

**Adding a Nodelocked License Source**

If you have purchased a nodelocked license for GeoMedia WebMap, run the **Intergraph License Host ID / Show Host ID** command on the machine on which you installed the software product. This command is accessible from the **Client** or the **Server** menu, or from the **Start** menu under **Intergraph Licensing**.

When you have the necessary information from the **Intergraph License Host ID / Show Host ID** dialog box, click **Request license** from the **Intergraph License Host ID** dialog box.

Go to the Intergraph SG&I Licensing Web site, enter all of the requested information, and obtain your nodelocked license (.lic) file.

Place the .lic file in the folder of your choice, and add this folder to your **License Navigation Pane** by using the **Add Nodelocked License Source** command.

Select the **Client > Add Nodelocked License Source** command.

In the **Browse for Folder** dialog box, select the folder that contains the nodelocked .lic file that you want to add.

Click **OK**.

GeoMedia WebMap should now run because you have a license.

**IMPORTANT** All the GeoMedia WebMap software is nodelocked,

**NOTES**

Visit our **licensing Web site** [https://sgilicense.intergraph.com](https://sgilicense.intergraph.com) to generate or to view your licenses. There are help topics on this page to assist you if you have difficulty in generating or managing your license.

For more information and help topics on the **Intergraph License Administrator** utility, refer to the Intergraph License Administrator help. General information about licensing, documentation and download links for licensing tools are also available on the **licensing resources page** [https://sgisupport.intergraph.com/infocenter/index?page=licensing_resources](https://sgisupport.intergraph.com/infocenter/index?page=licensing_resources).

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.
Verification of Installation of GeoMedia WebMap and Publisher Administrator

After installing and configuring GeoMedia WebMap it is strongly recommended to create the verify the installation and configuration process.

Welcome Page Overview

**Hexagon Geospatial Portfolio Welcome Page**

After successful product installation you can see a Geospatial Product Portfolio welcome page via your web browser. With Geospatial Portfolio welcome page you can:

- View the list of Hexagon Geospatial Portfolio products installed on your machine. You can open he particular products welcome page by clicking its links under installed products
- Access the additional tools, demos and applications such as Administration Console or plugins that are included with release. These hyperlinks are grouped under Tools&Applications section.
- Access to the related miscellaneous sites through the provided hyperlinks.
- Open and read documentation included with release.

To open a Geospatial Product Portfolio welcome page:

1. Open your favorite web browser
2. In the web browser address field type: http://<server_name>/geospatial and press ENTER

**NOTE** The Hexagon Geospatial Portfolio Welcome Page is displayed automatically after successful GeoMedia WebMap installation and configuration.

**GeoMedia WebMap Welcome Page**

In addition to the Hexagon Geospatial Portfolio welcome page (welcome page for the entire Geospatial Server) the separate welcome page for installed GeoMedia WebMap only is available.

Tools, demo applications, GeoMedia WebMap documentation included with this release and miscellaneous extensive documentation and web sites are accessible through the hyperlinks in particular sections of GeoMedia WebMap Welcome Page

To open a GeoMedia WebMap Welcome Page:

1. Open your favorite web browser
2. Display the Hexagon Geospatial Portfolio Welcome Page
   a. In the web browser address field type: http://<server_name>/geospatial and press ENTER
3. Click the link for GeoMedia WebMap under the Installed products section
If the Hexagon Geospatial Welcome Page has been displayed automatically after installation process please go to step 3.

OR

1. Open your favorite web browser
2. In the web browser address field type: http://<server_name>/GeoMediaWebMap/

Running Administration Console

Administration Console is a web-based application used to manage the Geospatial Server products including GeoMedia WebMap. It provides a single, unified, consistent tool for configuring the instantiated services and portals and to manage GeoMedia WebMap settings

In order to run Administration Console:

1. Open Web browser.
2. In the Web browser address field provide the http administration address (for example, http://<server_name>/AdminConsole).
3. Press ENTER.
4. Provide the server credentials in case the authentication dialog appears.
5. The Administration Console will be run in the Web browser window.

OR

1. Click The Geospatial Server Administration Console link provided on the Geospatial Server product Welcome Page.

The Administration Console will be run in new Web browser tab.

Test Configuration

The Administration Console allows you to test your GeoMedia WebMap configuration settings. The configuration test gives you the ability to run some basic tests in order to determine if the WebMap Service and System Security Settings are configured properly.

To run the configuration test:

1. Go to the Engines Management > GeoMedia WebMap > Configuration Test section of Administration Console
2. Click Confirm Settings to have the software check to see that the Cache directory is properly configured. If errors are encountered, they are displayed. If the cache setting is valid, a confirmation message is displayed.
3. Click Start Service to start/restart the WebMap service. If any errors occur when restarting the service, they are displayed. If no errors are encountered a success message is displayed and the Generate the test map button is enabled.

Optionally: Select a WebSite in case the GeoMedia WebMap configuration does not use default web site.
Verifying Installation of GeoMedia WebMap and Publisher Administrator

4. Click **Generate Map** to generate a test map in a new Web browser window. You can select the image (map) format from the **Output type** drop-down list.

5. Click **CleanUp** if the map was generated successfully. The temporary files will be deleted. If errors occur while running the test, error messages and troubleshooting tips, as applicable, are displayed.

**NOTE**
The configuration test processing is based on the security settings (system permissions) of the currently logged-in user (the system INTERACTIVE user), if running IIS, the IUSR account, and the GeoMedia WebMap Service Log On account.
Verifying the Installation of Publisher Administrator

GeoMedia WebMap setup also installs GeoMedia WebMap Publisher Administrator. In order to check whether GeoMedia WebMap Publisher Administrator has been installed and registered (registration process is described in the Registering the Publisher Administrator in GeoMedia topic) do the following:

1. Run GeoMedia
2. Select Blank GeoWorkspace option and click OK (or open an existing GeoWorkspace).
3. Go to the WebMap tab
4. Click the Administrator command
5. Click Create button and create a testing service source of any type (WebMap Publisher Portal; WFS (Feature); WMS (Map)). Follow the on screen wizard instructions in order to create a service source
6. Select already created service source from the list and click Open. Verify whether the GeoMedia WebMap Publisher Administrator opens.
7. Close the GeoMedia WebMap Publisher Administrator

Modifying Repairing or Removing GeoMedia WebMap

Changing or Removing a GeoMedia WebMap Configuration

The GeoMedia WebMap Configuration Wizard lets you change a configuration or remove a configuration. If you uninstall GeoMedia WebMap, the configuration is removed automatically. You can also manually rerun the configuration wizard for that application and remove the configuration. If multiple applications are configured, you can remove the configurations in any order. And, you can start the removal of an application's configuration before the previous configuration removal is complete.

Note that you cannot change your licensing configuration from here. To change your licensing, you need to run the Intergraph License Administrator.

To change or remove a GeoMedia WebMap configuration using Setup Manager:

1. From the delivery media, run Intergraph Setup Manager (Setup.exe). If you are running Vista or Windows 2008 systems, right-click and select Run as administrator.
2. Select GeoMedia WebMap from the Software list box.
3. In the Configuration box Action list, click Modify, repair, or remove.
4. Follow the prompts, and then click Finish.
Modifying, Repairing or Removing GeoMedia WebMap

The status of the configuration is indicated by one of the status icons.

To change or remove a GeoMedia WebMap configuration using the Configuration Wizard:
1. From the Start menu, navigate to the configuration wizard for the application you want to remove.
2. Run the wizard and follow the prompts to edit or remove the configuration.
3. Click Finish.

Removing GeoMedia WebMap

You can remove GeoMedia WebMap with either Intergraph Setup Manager or Windows Control Panel; however, Intergraph Setup Manager is the recommended method.

To remove GeoMedia WebMap with Intergraph Setup Manager:
1. From your delivery media, right click Setup.exe and select Run as administrator.
2. In the Intergraph Setup Manager Software list box, select the product you want to remove.
3. In the Installed Software box Action list, click Modify, repair, or remove.
4. Follow the prompts to remove the product or bundle.

To remove GeoMedia WebMap with Control Panel:
1. From the Start menu, navigate to Control Panel.
2. Select Programs > Uninstall a program.
3. On the Uninstall or change a program dialog box, select the product to remove, and then click Uninstall.

Removing Previous Versions of Products

You can remove previous versions of GeoMedia WebMap with the Windows Control Panel.

To remove previous versions of GeoMedia WebMap with Control Panel:
1. From the Start menu, navigate to Control Panel.
2. Select Programs > Uninstall a program.
3. 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.
Modifying GeoMedia WebMap

To modify GeoMedia WebMap using Intergraph Setup Manager:
1. From the delivery media, run Setup.exe.
2. In the Action column of the Installed Software dialog box, click the Modify, repair, or remove link.
3. Click Next on the GeoMedia WebMap installation wizard Welcome page.
4. On the Program Maintenance screen of the GeoMedia WebMap installation wizard, select the Modify option; then press Next and follow the prompts.

Repairing GeoMedia WebMap

To repair GeoMedia WebMap using Intergraph Setup Manager:
1. From the delivery media, run Setup.exe.
2. In the Action column of the Installed Software dialog box, click the Modify, repair, or remove link.
3. Click Next on the GeoMedia WebMap installation wizard Welcome page.
4. On the Program Maintenance screen of the GeoMedia WebMap installation wizard, select the Repair option; then press Next and follow the prompts.
Getting the Installation Status

You get the installation status of your software from Intergraph Setup Manager (Setup.exe).
From your delivery media, run Intergraph Setup Manager (Setup.exe). Intergraph Setup Manager displays the status of the applications you have installed.
**Intergraph Setup Manager – Overview**

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

- Configure and Modify (re-configure)
- Repair
- Remove

If the following options are available for your site, you can also use Intergraph Setup Manager to do the following:

- Run configuration processes
- Install complementary software

The Intergraph Setup Manager dialog box opens when you double click Setup.exe to start the installation process.

**Intergraph User Manager User Interface**

**Dialog Box Options**

**Software**

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

**Version**

To the right of the **Software** box is the **Version** number of the selected product.

**Documentation Links**

Listed under the **Version** number are links that provide access to information about the selected software. The **Support** link takes you directly to the Intergraph website. If a document is not available for the selected software, the corresponding link is disabled.
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 Icons section below for more information.</td>
<td>The links displayed under Action 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 box might open after installation is complete. Or, you can Select the application from the list and click Configure.

Complementary Software

Complementary software is software that is useful for or needed to run with your Intergraph software.

NOTE Complementary Software is available for your site only if an application developer creates it.

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>🔄</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>⏳</td>
<td>Installation is in progress.</td>
<td>Configuration is in</td>
<td>Installation is in progress.</td>
</tr>
<tr>
<td>Icon</td>
<td>New or Installed Software</td>
<td>Configuration</td>
<td>Complementary Software</td>
</tr>
<tr>
<td>------</td>
<td>--------------------------</td>
<td>---------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>![Check]</td>
<td>Installation is successful.</td>
<td>Configuration is successful.</td>
<td>Installation is successful.</td>
</tr>
</tbody>
</table>
Troubleshooting Installation Using Logs - WebMap

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.

**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 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:\LogInstallation\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 and 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).

Intergraph 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 GeoMedia WebMap Names Table in Appendix A.
Troubleshooting Installation Using Logs - WebMap

**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\ComponentsBasedServicing\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.

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Additional information on Intergraph Support and Services is available on the Internet.
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).