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About This Release

This document describes the enhancements for WebGIS products, including GeoMedia WebMap, Geospatial Portal, and Geospatial SDI. Although the information in this document is current as of the product release, see the Hexagon Geospatial Support website for the most current version.

This release includes both enhancements and fixes. For information on enhancements, see the New Technology section. For information on fixes that were made to the WebGIS products for this release, see the Issues Resolved section.

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

GeoMedia WebMap

GeoMedia WebMap supports a broad range of customers that require visualization and examination of geographic data on the Web. From easily creating standards-compliant web services to providing sophisticated visualization and analysis within interactive web mapping applications, GeoMedia WebMap builds powerful solutions for sharing your organization's rich geospatial data.

Geospatial Portal

Geospatial Portal is a fully featured, configurable, and customizable thin client application that can be used for finding, viewing, querying, analysing, and consuming geospatial data published by Hexagon Geospatial products and/or other standards-based web services. The portal can be accessed by multiple users via web browsers as it is installed and configured on a web application server.

Geospatial SDI

Geospatial SDI is an interoperable and scalable component of spatial data infrastructure for cataloging and delivering enterprise geospatial data over the web. It is designed for data providers who need to manage and serve secure or licensed information using standards-based web services. It offers powerful tools for controlled access to standards-compliant services and data published by those services, as well as tools for monitoring and reporting service performance. The product adheres to Open Geospatial Consortium (OGC®), INSPIRE, and International Standards Organization (ISO) standards for web services and metadata compliance. Geospatial SDI can easily extend solutions based on GeoMedia® WebMap, ERDAS® APOLLO, or any other vendor's OGC-compliant product to assure the full set of services required for implementation of custom secure Spatial Data Infrastructure (SDI).
New Technology

GeoMedia WebMap

GeoMedia WebMap Mobile for Field Data Editing

**GeoMedia WebMap 2020** has a new mobile application for field data editing called GeoMedia WebMap Mobile. It is a phone/tablet-based application for accessing, portraying and editing geospatial data. The user can view, edit, validate, and update enterprise GIS data from the field in real time. The updated data on the mobile device is instantly available for the GIS platform used in the same organization.

The core functionality in GeoMedia WebMap Mobile comes from the Mobile MapWorks product. Mobile MapWorks users will now find all the familiar functions and features and more in GeoMedia WebMap Mobile. In addition, because the workflows and available actions are more intuitive and easier to navigate, the user's experience is much improved.

The Feature Info panel serves as an example of the many enhancements introduced in GeoMedia WebMap Mobile. Previously, the user had to decide before selecting an object on a map whether to view or edit the feature details. If the user noticed a feature that required updates while viewing its details in the Feature Info panel, they had to close the panel, select edit option and click the feature on the map again to re-open the Feature Info panel in edit mode. In the new GeoMedia WebMap Mobile, both actions are available directly in the Feature Info panel. Now, users with editing privileges simply click an attribute, make changes, and then save the changes by clicking to confirm.

The editable and read-only attributes are easily distinguished with different presentations in the Feature Info panel. Also, because the Feature Info panel no longer occupies the entire screen, both the properties and the map are viewable at the same time. It optimizes viewing and editing of feature details; the user can easily navigate between the features on the map while their details are immediately displayed in the Feature Info panel.
panel. To expand the Feature Info panel to full screen or minimize it, the user simply swipes it up or down, respectively.

GeoMedia WebMap Mobile can be configured to serve selected data to individual users within a pre-defined area. It can also be configured to run in offline mode to support field work in areas with weak or no online access.

GeoMedia WebMap Mobile can be used for all types of field and site inspection workflows, such as pole or vegetation inspection for utilities or public works, traffic light and bridge inspection for transportation authorities, and cell or mobile tower site inspection for communications companies.

GeoMedia WebMap Mobile application is downloadable for free from Apple, Google and Windows app stores. The server side of the GeoMedia WebMap Mobile is offered as part of GeoMedia WebMap Advantage and Professional.

Mobile Publisher for GeoMedia WebMap Mobile Configurations
Another feature added to GeoMedia WebMap is Mobile Publisher. This feature assists in the set-up and management of GeoMedia WebMap Mobile configurations by addressing key aspects including user identification, field zone geometry specification and field work definitions. Mobile Publisher then generates the configuration files based on the Administrator’s selections.

With Mobile Publisher, configuring GeoMedia WebMap Mobile is easy. The Administrator can:
• Define GeoMedia WebMap Mobile field users
• Create and manage works
• Define and apply user access and action permissions
• Set feature class attributes and properties
• Configure feature class options such as enumeration lists and more…

Note: Advanced users can also manually change the configuration generated by Mobile Publisher.

Mobile Publisher is available as part of GeoMedia WebMap Publisher, an add-on that is run in GeoMedia. GeoMedia WebMap Publisher is installed with GeoMedia WebMap but can be also downloaded and installed separately on a computer that has GeoMedia installed.

Performance Improvements
Several performance improvements were added to GeoMedia WebMap 2020. Efficiency has been enhanced when performing analyses on GeoMedia WebMap’s WFS feature classes in Geospatial Portal, especially for data cases and queries, which processes filters using the database engine.

New Server Pools have been introduced to increase the reliability of a GeoMedia WebMap server and guarantee critical services’ availability.

The administrator can configure Map Server Pools in the Administration Console, then define them in System Settings and finally, assign the pools to the application(s) and service(s).
Postgres Metadata Connection

When creating a service source for a GeoMedia WebMap Publisher Portal, WMS (Map), or WFS (Feature) Service, you must specify a database connection for the service source. Publisher supports four types of databases. With 2020 release the Postgres database is supported in addition to Microsoft Access, Microsoft SQL Server and Oracle. You can use a Postgres database not only to store your geospatial data, but also GeoMedia WebMap services metadata.

Note that metadata can be published both locally and remotely.
Live Search Available for GeoMedia WebMap Essentials

GeoMedia WebMap Essentials users can query (registered in Portal) WFS-G services with the new Live Search functionality. The Live Search control is located on the toolbar in GeoMedia WebMap Publisher Portal.

Enable WebMap WFS-T for all Read-Write Data Servers

Transaction WFS functionality will be enabled when the Service Source contains features from any read-write GeoMedia Warehouse unless the connection was explicitly opened as read-only. This introduces both the ability to restrict WFS to work in Read Only mode on some database engines that did not use to provide such configuration (e.g. SQL Server Spatial) and to setup transactional WFS without the need for installing database software (e.g. by use of new read-write data servers available in GeoMedia such as GeoPackage and ESRI file geodatabase). Please note that not all read-write data servers are capable of high-throughput and reliability in all production environments.
Enhanced Measurements in Geospatial Portal - Consumer

Advanced measurement is one of the basic functionalities in Geospatial Portal - Consumer. Users can measure distances and areas on the map, as well as obtain geographic coordinates of any given point.

The measurements results are displayed in the Measurements (right) panel. With 2020 release the measurement details are also displayed on the map:

- For area measurements: over the measured area.
- For linear measurements: both the total length of the polyline and the distance between two points is displayed above each segment.
- Coordinates: in the tooltip on the map around measured point.
Groups for Layers in Geospatial Portal - Consumer

Geospatial Portal - Consumer displays the layers grouped under the name of the service the layers come from. Users can change the layer order within the group by drag and drop of individual layer, switch the layer on/off or modify its opacity for optimal map display.
Legend style icons in Geospatial Portal - Consumer
Legend entries from WMS services can now include the icon that reflects the style applied for the layer.

Support for Custom Layer Graphics in Geospatial Portal - Consumer
WMS services may provide custom legend graphics that bring detailed information about presented phenomena. With the 2020 release the custom graphics are displayed in the legend item control beside the layer name.

Geospatial Portal – Consumer by default tries to display the legend graphic provided by the service, if it fits the legend item control (20x15 px). If the legend graphic is larger than the legend item control, it is either automatically resized to fit the control or replaced with an icon placeholder. The graphic in its original size can be then displayed on hover.
Highlight for Loading Layers in Geospatial Portal - Consumer

Another new feature shows the legend loading progress on the Geospatial Portal - Consumer’s sidebar. Now, users can easily see when all layers are loaded without checking them individually regardless of which tab is active on the right panel, and even when there is no tab open.
Information Bar in Geospatial Portal – Consumer

Geographic latitude and longitude for the current cursor position in a map window is displayed in the bottom right corner on the screen application.

The name of active Map Composition is displayed in the bottom right corner. The coordinate system EPSG code of the current map is visible on the information bar as well.
Highlight Active Map Composition in Geospatial Portal - Consumer

The active map composition in Geospatial Portal – Consumer is highlighted. This improvement allows users to easily distinguish which Map Composition is currently displayed.

Administrators can change the highlight color in the style.css file – the file responsible for Geospatial Portal - Consumer style configurations.
Preserve Bounding Box in Consumer while Map Composition Changes

The administrator can now configure map composition settings for Geospatial Portal – Consumer instances.

The new “When Changing Map Composition” configuration element available in Administration Console for Consumer instances has two possible settings:

- “Set New Variant’s Map Range” – the Consumer uses the map range defined for the Map Composition to be displayed.

- “Keep Current Map Range and Map Control” – the Consumer retains the current map range when switching between Map Compositions, ignoring of the original range defined for the Map Composition to be displayed.

The latter setting is useful when adding new sets of layers to be viewed, while retaining the same viewing range.

In addition, the administrator can enable the map switching option for Consumer end users. The Feature button will be displayed in the upper right corner of the Map Composition panel.
Enable Feature Information in Consumer with One Click
When using the Feature Info dialog in Geospatial Portal - Consumer, the tooltip with available layers for the feature area appears. After selecting the layer, the Feature Info dialog is displayed. If only one layer is available, the Feature Info dialog is displayed immediately.

Consumer Feature Info Dialog is Floating (Not Modal)
The feature Info window is now floating (not modal). Now users can keep it continuously open while simultaneously navigating map layers, performing measurements, and so forth.
Feature Info Locatability for WMS/WMPS in Consumer

GeoMedia WebMap supports locatability of Feature Info operation for WMS/WMPS services in Geospatial Portal - Consumer. Users can set locatability (true/false) for a layer in Configuration Portal. Then, the starting workspace in Geospatial Portal - Consumer will display Feature Info as shown in the table:

<table>
<thead>
<tr>
<th>Layer setting in Configuration Portal</th>
<th>Feature Info for particular layer in Geospatial Portal - Consumer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is Locatable = True</td>
<td>Feature Info Available</td>
</tr>
<tr>
<td>Is Locatable = False</td>
<td>No Feature Info Available</td>
</tr>
</tbody>
</table>
Display WMS Feature Information with Xlink:href as Hyperlinks
Displaying hyperlinks in attributes was improved by adding Feature Info in XML format. If hyperlink attributes are enabled in GeoMedia WebMap’s WMS layers, Geospatial Portal - Consumer will properly display them as links. A new page or tab will open when the link is clicked.
Enhanced Printing Rendering for High DPI in Geospatial Portal - Classic

Improved DPI processing for printouts in the Geospatial Portal - Classic. Higher DPI settings result in better legibility when printing images with text.

Configurable Width of Live Search Control in Geospatial Portal - Classic

By default, the width of Live Search control is set to 200px. This may cause navigation between pages with multiple results in some languages difficult. This difficulty was resolved with the option to change the width of the Live Search combo.

Administrators can choose to display results wider than the combo. By default, the width of the results list is set to 300px. The minimum width of the result list is larger or equal to the width of the combo box. These settings can be found in the Web.config file for Geospatial Portal - Classic.

Languages Support in Geospatial Portal - Classic

Geospatial Portal – Classic is a multilingual application with option for a variety of languages out-of-the-box and continues to enhance its rich set of languages. In this release, Marathi and Bahasa Indonesia were added.
Extrude Analysis Results in Geospatial Portal - Classic

Geospatial Portal - Classic supports extrusion of 2D vector features into three dimensional solid shapes to build 3D scenes in seconds. The extrusion can be also applied to the layers resulting from the analyses based on selected attribute values and this way introduce extra information on the map.

Note: Extrusion only works with data from GeoMedia WebMap’s Web Feature Services.

WFS-T Feature Attribute Updates are Reflected in 3D Extrusion in Geospatial Portal - Classic

Updating attributes in WFS-T (WFS Transactional) is reflected in 3D extruded objects without refreshing the layer in Geospatial Portal - Classic.
Display Extruded Data in Geospatial Portal – Consumer

With Geospatial Portal - Classic users can extrude two-dimensional vector features and view them in 3D scenes. Now users can view 3D scenes with extruded features in Geospatial Portal - Consumer as well. The highlight style for selectable WFS objects is customizable.

Note: An administrator prepares 3D scenes with extruded data and sends the configuration to Geospatial Portal - Consumer instance to enable this feature for Consumer users.
Improved 3D Engine

The Geospatial Portal Classic and Consumer have been updated to myVR mMap 2017.11 engine. There are multiple bug fixes in this release, as well as significant performance improvements. Users will notice faster vector data and 3D scene loading (3D Map Tiles and 3D Objects).
Administration Console

The release of WebGIS 2020 included multiple improvements to the Administration Console where GeoMedia WebMap and Geospatial Portal services are managed and configured.

Service Instance Name Displayed During Editing

Administration Console now displays the name of the edited service instance. User no longer needs to recall or guess which instance is edited while switching between the tabs available for the instance settings.
Improved workflow when starting workspace update in Configuration Portal

The workflow for updating the starting workspace in Configuration Portal was enhanced to be simpler and more intuitive for administrators. Before, administrators had to remove the previous and add a subsequent map composition to reflect map changes. Now, administrators simply click the Update Workspace button to apply changes to map compositions that make up the starting workspace.

Arranging the order of the map compositions in the starting workspace is also easier. Just drag & drop the maps to change the order within the workspace. Changes are applied immediately and visible after refreshing the Geospatial Portal - Classic.
3D View in Configuration Portal

Administrators can enable 3D map mode in Configuration Portal. 3D maps are previewed before administrators set them as starting maps on user Portals. Lightning, shadow and underground feature data are supported in the 3D map preview.
## System Requirements

### GeoMedia WebMap

| Operating Systems | • Windows Server 2019 (64-bit)  
|                   | • Windows Server 2016 (64-bit) |
| NOTES:            | • Windows Server 2012 R2 (64-bit); Windows Server 2012 (64-bit); Windows Server 2008 R2 (64-bit) are considered as viable.  
|                   | • All later service packs are considered viable unless otherwise noted. See the Support website for specific notices.  
|                   | • For Windows Server 2012, the "Server with a GUI" installation option is required. Specifically, the WS 2012 "Server GUI Management Infrastructure" component MUST be installed (this provides MSVBVM60.dll and DAO which are required by WebMap).  
|                   | WS 2012 "Server GUI Shell" sub-component is optional (this provides "Explorer.exe"). Note: when down-grading WS2012 from GUI to no-GUI, un-install the "Server GUI Shell" component ONLY. The "Server GUI Mgmt Infra" cannot be uninstalled because the DAO required by WebMap will be removed altogether.  
|                   | • On the Client side, (Geospatial Portal and/or GeoMedia WebMap Publisher Portal) any operating system equipped with one of the supported browsers.  
| Operating Systems for GeoMedia WebMap Mobile | • iOS version 12.x or later  
|                   | • Android version 5 or later  
|                   | • Windows 10 |
| Server Side Database Engines | • Oracle® Server 12.2 (64-bit)  
• Oracle® Server 12.1 (64-bit)  
• Oracle Server 11g (64-bit) (at least 11.2.0.4)  
• Oracle Server 11g (32-bit)  
• Oracle Express 11g (at least 11.2.0.4)  
• Oracle Client 12.2 (32-bit)  
• Oracle Client 12.1 (32-bit)  
• Oracle Client 11g (32-bit)  
• SQL Server® 2012 (64-bit)  
• SQL Server 2014 (64-bit)  
• SQL Server Express 2012  
• SQL Server Express 2014  
• SQL Server 2016  
• SQL Server Express 2016  
• SQL Server 2017  
• SQL Server Express 2017  
• PostgreSQL 9.3 with PostGIS 2.1  
• PostgreSQL 9.4 with PostGIS 2.2  
• PostgreSQL 9.6 with PostGIS 2.3  
Note:  
• All later service packs are considered viable unless otherwise noted. See the Support website for specific notices.  
• Access (MDB) is considered as viable.  
• No Database Engine is required on the client side nor to run the Administration Console. |
### Client Side Internet Browsers

<table>
<thead>
<tr>
<th>Browser</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Google Chrome™</td>
<td>77 or higher</td>
</tr>
<tr>
<td>Firefox®</td>
<td>69 or higher</td>
</tr>
<tr>
<td>Internet Explorer®</td>
<td>versions 11</td>
</tr>
<tr>
<td>Microsoft Edge</td>
<td>44 or higher</td>
</tr>
<tr>
<td>Safari®</td>
<td>12 or higher</td>
</tr>
</tbody>
</table>

**Note:**
- For browsers: Firefox and Google Chrome versions stated above are the versions certifications were conducted on. The software should work on newer versions of these browsers but were not officially certified.
- The 3D features of Geospatial Portal Classic require native WebGL support. WebGL is available in Firefox, Chrome and MS Edge. 3D functionality in Geospatial Portal Classic /GeoMedia WebMap Publisher Portal is enabled by default in Firefox and Google Chrome browsers. In MS Edge, 3D is available only if the administrator enables it.
- Web browser issues found on the GeoMedia WebMap product that are no longer supported by the browser vendor can be addressed with a limited scope by Hexagon Geospatial. Refer to vendor sites for information on their Web browsers support policies.
- Geospatial Portal Classic is not supported to work in Compatibility View in Internet Explorer browsers. This option must be switched off by the user.
- The mobile versions listed as supported web browsers are compatible with GeoMedia WebMap. However, differences in system architecture and mobile device limitations may result in some of functionality being unavailable when running on a mobile browser. Hexagon will attempt to address any mobile browser issues; however, a solution may ultimately depend on support from the browser provider.

### Server Side Internet Browsers

<table>
<thead>
<tr>
<th>Browser</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internet Explorer</td>
<td>versions 11</td>
</tr>
</tbody>
</table>

**Note:**
- Internet Explorer is required on the server side only to provide the printing functionality unless PhantomJS engine is used.
- In order to run the Administration Console directly on the server host machine, any browser listed in Client-Side Internet Browsers can be used. Administration Console can be run remotely from the client side.

### Client Side System Dependencies & Additional Software

- GeoMedia or GeoMedia Professional 16.6

**NOTE:**
- GeoMedia or GeoMedia Professional is required for GeoMedia WebMap Publisher Administrator.

### Server Side System Dependencies & Additional Software

- .NET Framework 4.7.2
- Microsoft Identity Foundation
- Windows Installer 3.1 or higher
- Internet Information Services (IIS) 10.0
Geospatial Portal

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Database Engines</td>
<td>Oracle Server 12.2 (64-bit)</td>
<td>Oracle Server 12.1 (64-bit)</td>
</tr>
<tr>
<td></td>
<td>Oracle Server 11g (64-bit)</td>
<td>Oracle Client 12.2 (32-bit)</td>
</tr>
<tr>
<td></td>
<td>Oracle Client 12.1 (32-bit)</td>
<td>Oracle Client 11g (32-bit)</td>
</tr>
<tr>
<td></td>
<td>Oracle Express 11 g</td>
<td></td>
</tr>
</tbody>
</table>

Client Side Internet Browsers

- Google Chrome 77 or higher
- Firefox 69 or higher
- Internet Explorer version 11
- Microsoft Edge 44 or higher
- Safari® 10 or higher

Notes:
- For browsers: Firefox and Google Chrome version stated is the version that certification was conducted on. The software is expected to work on newer versions of these browsers, but they were not officially certified.
- The 3D features of Geospatial Portal require native WebGL support. WebGL is available in MS Edge, Firefox and Chrome.
- The 3D functionality in Geospatial Portal Classic /GeoMedia WebMap Publisher Portal is enabled by default in Firefox and Google Chrome browsers. In Microsoft Edge, 3D capabilities are only available if enabled by the administrator.
- Web browser issues found on the Geospatial Portal Classic product that are no longer supported by the browser vendor can be addressed with a limited scope by Hexagon Geospatial. Refer to vendor sites for information on their Web browsers support policies.

The mobile versions listed as supported web browsers are compatible with GeoMedia WebMap. However, differences in system architecture and mobile device limitations may result in some of functionality being unavailable when running on a mobile browser. Hexagon will attempt to address any mobile browser issues however a solution may ultimately depend on support from the browser provider. Note for Internet Explorer:

- Geospatial Portal does not work in Compatibility View in Internet Explorer browsers - this option must be switched off by the user.

Server Side Internet Browsers

- Internet Explorer versions 11

Notes:
- Internet Explorer is required on the server side only to provide the printing functionality unless PhantomJS engine is used.
- In order to run the Administration Console directly on the server host machine, any browser listed in Client-Side Internet Browsers can be used. Administration Console can be run remotely from the client side.
### Server Side System Dependencies & Additional Software

- .NET Framework 4.7.2 or higher
- Windows Identity Foundation
- Windows Installer 3.1 or higher
- Internet Information Services (IIS) 10.0

### Geospatial SDI

#### Operating Systems

- Windows Server 2019 (64-bit)
- Windows Server 2016 (64-bit)

#### Database Engines

- Oracle® Server 12.1 (64-bit)
- Oracle® Client 12.1 (32-bit)
- Oracle® Server 11g (64-bit)
- Oracle® Client 11g (32-bit)
- SQL Server® 2008 (32-bit)
- SQL Server® 2008 (64-bit)
- SQL Server® 2008 R2 (32-bit)
- SQL Server® 2008 R2 (64-bit)
- SQL Server® 2012
- SQL Server® 2014
- Access® 2010 (MDAC2010 v14)

**Note:**

- All later service packs See the Support website for specific notices.
- NHibernate, Log4Net and ADO.NET are used for accessing database in SDI Pro Security and Logging mechanisms. The full list of supported database engines depends on these third-party frameworks. However, SDI services were used successfully with listed engines.
- 64-bit Oracle Data Access Components (ODAC) is required for Catalogue (CSW) services running with Oracle Server 12 (64-bit)

#### Internet Browsers (required to run Administration Console)

- Google Chrome 77 or higher
- Firefox 69 or higher
- Internet Explorer versions 11
- Microsoft Edge 44 or higher

**Note:**

- For browsers: Firefox and Google Chrome version stated is the version that certification was conducted on. The software is expected to work on newer versions of these browsers, but they were not officially certified.
- Web browser issues found on the Geospatial SDI product that are no longer supported by the browser vendor can be addressed with a limited scope by Hexagon Geospatial. Refer to vendor sites for information on their Web browsers support policies.
**Server Side Internet Browsers**

- Internet Explorer versions 11  
  Note:
  - Internet Explorer is required on the server side only to provide the printing functionality unless PhantomJS engine is used.  
  - In order to run the Administration Console directly on the server host machine, any browser listed in Client-Side Internet Browsers can be used. Administration Console can be run remotely from the client side.

**Server Side System Dependencies & Additional Software**

- .NET Framework 4.7.2  
- Windows Identity Foundation  
- Windows Installer 3.1 or higher  
- Internet Information Services (IIS) 10.0  
  Note:  
  - All later service packs for the system dependencies are considered supported unless otherwise noted. See the support website for specific notices.
**Issues Resolved**

Geospatial Server 2020

GeoMedia WebMap, Geospatial SDI, Geospatial Portal

<table>
<thead>
<tr>
<th>Issue ID</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>00027335</td>
<td>Disabled fill style displayed on WFS feature in Consumer Portal.</td>
</tr>
<tr>
<td>00027348</td>
<td>Scale Bands limiting zoom in Consumer Portal.</td>
</tr>
<tr>
<td>00031395</td>
<td>Consumer Portal's layer stacking causes problems if JPEG is used.</td>
</tr>
<tr>
<td>00030480</td>
<td>Consumer Portal search issues. Search tool returns search results randomly.</td>
</tr>
<tr>
<td>00036826</td>
<td>Measurements lost after placing last point - iOS Chrome Browser.</td>
</tr>
<tr>
<td>00029386</td>
<td>Search criteria is not giving any metadata record on registered external OGC CSW. Advance search is able to give metadata records.</td>
</tr>
<tr>
<td>00043474</td>
<td>Request Portal use prefix if declared by capabilities.</td>
</tr>
<tr>
<td>00051791</td>
<td>Measure area functionality enables measurement of incorrectly drawn surface geometry.</td>
</tr>
<tr>
<td>00030999</td>
<td>Auto classify button disabled for text fields.</td>
</tr>
<tr>
<td>00036041</td>
<td>Performance issues - Portal cluster.</td>
</tr>
<tr>
<td>00034738</td>
<td>IIS windows authentication: Consumer and WMS.</td>
</tr>
<tr>
<td>00049686</td>
<td>BBOX and URL parameter don't work properly Geospatial Portal 2018 KVP parameter bbox results in incorrect map extent.</td>
</tr>
<tr>
<td>00025080</td>
<td>Cross site scripting vulnerability in security audit of Apollo Portal.</td>
</tr>
<tr>
<td>00018235</td>
<td>Error parsing get values string in Geospatial Portal analyses.</td>
</tr>
<tr>
<td>00033031</td>
<td>Extrusion issue for WMPS layers in 3D Portal.</td>
</tr>
<tr>
<td>00041306</td>
<td>Critical Security Audit Report Jquery 1.10 has known vulnerability (Apollo 2018 update 4).</td>
</tr>
<tr>
<td>00041771</td>
<td>CSW Search for strings containing Diacritics gives no result.</td>
</tr>
<tr>
<td>00045933</td>
<td>Wrong coordinate system transformation parameters in CRSConfig_v2.xml.</td>
</tr>
<tr>
<td>00022957</td>
<td>CSW Metadata information window show up as text only (not HTML formatted).</td>
</tr>
<tr>
<td>00011273</td>
<td>Run-time error '91' when publish GeoMedia workspace to WMS.</td>
</tr>
<tr>
<td>00008981</td>
<td>Compiler error with configured STS service.</td>
</tr>
<tr>
<td>00014198</td>
<td>Cannot render google map in HTTPS.</td>
</tr>
<tr>
<td>00014215</td>
<td>Using predefined query tool changes select set item behaviour.</td>
</tr>
<tr>
<td>Case Number</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>-------------</td>
</tr>
<tr>
<td>00009877</td>
<td>Portal is not supporting 3-letter language encoding. “Cannot read property ‘length’ of null”.</td>
</tr>
<tr>
<td>00042585</td>
<td>GWMPubPro.aspx assigns the value 110 to cookie select Set after running predefined WMPS query.</td>
</tr>
<tr>
<td>00049649</td>
<td>Portal sends invalid CSW request when no filter is specified.</td>
</tr>
<tr>
<td>00045356</td>
<td>Annotations not getting printed from User dedicated PSS.</td>
</tr>
<tr>
<td>00017531</td>
<td>Unable to add Personal Layer feature class in MapWithToolbar.aspx.</td>
</tr>
<tr>
<td>00022650</td>
<td>Poor resolution on texts and symbols on PNG and PDF prints.</td>
</tr>
<tr>
<td>00038861</td>
<td>In the Geospatial Portal analyses on WMPS fail.</td>
</tr>
<tr>
<td>00028572</td>
<td>Security Vulnerability: CSV Injection.</td>
</tr>
<tr>
<td>00043892</td>
<td>PSS features are not returned until Portal page is refreshed.</td>
</tr>
<tr>
<td>00026575</td>
<td>WFS – INSPIRE Metadata - Button “Add Spatial Identifier” no responding.</td>
</tr>
<tr>
<td>00051504</td>
<td>$GP.dynamicFeatureEvents don't work with WMPS.</td>
</tr>
<tr>
<td>00021996</td>
<td>Warnings about CRS84 coordinate system from WMTS service.</td>
</tr>
<tr>
<td>00048741</td>
<td>GWM (COM) errors.</td>
</tr>
<tr>
<td>00045124</td>
<td>Error in GeoMedia WebMap: Source: Map Server Version: 16.00.0200.00004 Function GetFromLibrary Error: 0x1 Error Description: Not available.</td>
</tr>
<tr>
<td>00033551</td>
<td>MapSvr.exe crash - “No known library storage service” Error.</td>
</tr>
<tr>
<td>00034187</td>
<td>Correlate OWS and WFS exception codes to HTTP status codes.</td>
</tr>
<tr>
<td>00032353</td>
<td>Get Feature Info only works for one WMTS layer.</td>
</tr>
<tr>
<td>00011711</td>
<td>ProductDefinition is not OPTIONAL in the WMTS configuration even though it is defined as such.</td>
</tr>
<tr>
<td>00037562</td>
<td>All rules defined in Label Manager written to Generated.lrf</td>
</tr>
<tr>
<td>00005788</td>
<td>WMTS - layer title is required for more layers in the service (error when it is not present).</td>
</tr>
<tr>
<td>00039945 00029483</td>
<td>Arc geometries are displayed as a straight line in WebMap WMPS (svg/svgz format).</td>
</tr>
<tr>
<td>00033686</td>
<td>Geospatial Portal 2018 is slower than 2016 when loading WMPS source.</td>
</tr>
<tr>
<td>00033348</td>
<td>The line spacing is different than it appears in GeoMedia. Different Direct2DMode used by GeoMedia (default = 0) and WebMap (default = 1).</td>
</tr>
<tr>
<td>00036513</td>
<td>Incorrect ID specified in Label Rule File generated by Publisher Administrator.</td>
</tr>
<tr>
<td>00035213</td>
<td>WFS GetFeatureById urn:ogc:def:query:OGC-WFS::GetFeatureById.</td>
</tr>
</tbody>
</table>
| 00035178   | The content type for getFeature, GetPropertyValue and describeFeatureType should be at least *application/gml+xml; version=3.2* - by default. Also, it should be able to use this value in the parameter outputformat.
<table>
<thead>
<tr>
<th>Case Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>00034964</td>
<td>Support for new SQL Server Data Server that is compatible with TLS 1.2.</td>
</tr>
<tr>
<td>00045442</td>
<td>GeoJSON output format not working through SDI Façade.</td>
</tr>
</tbody>
</table>
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Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

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

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

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