



**GEOCORTEX INTERNET MAPPING FRAMEWORK
VERSION 5.2.0 RELEASE NOTES**

Prepared for Geocortex IMF 5.2.0
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1 New Features

The version 5.2.0 release of Geocortex IMF contains the following new features. Note that some minor new features may have been developed and are not documented here.

| General | |
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| Field and folder properties. | Added properties child-element to field and folder elements in layer configuration file. |
| Notes in layer list. | Notes section in layer list is now hidden by default, and is shown when the user clicks the link to expand the content. This provides a cleaner view of the layer list. |
| Labels out of scale range. | A different graphic is used now to represent labels which can be toggled by the user from the layer list, but which are currently outside of visible scale range. |
| Styling support. | All IMF interface pages now import the custom stylesheet from the site configuration file. This allows IMF to be given more of a custom look without JSP or HTML modification. |
| Updated user interface styles. | The default style for Geocortex IMF has been updated. In addition, an example of a basic view site has been included in the Geocortex IMF distribution. |
| Demonstration site. | The Geocortex Demonstration Site is now included with Geocortex IMF rather than being a separate download. |
| Dropdown tabs. | Dropdown-style tabs are now configurable directly in the site configuration file. Site Manager advanced view has been updated to allow configuration of dropdown tabs. |
| WMS layer transparency. | The transparency level of a WMS layer can now be set in the layer configuration file. In addition, a script is provided to allow users to dynamically change the transparency level of any WMS layer on the fly. |
| Scale slider feedback. | The scale slider will now highlight the scale notch closest to the user's current map scale. |
| Simple field name for SDE layers. | In the layer configuration file, the simple field name is now valid in field tags for SDE layers. The fully qualified name is still also supported. |
| Query builder failure message. | A more informative failure message is presented when a custom query fails to return any results from the query builder form. |
| User defined map tips. | A settings page is now available to allow users to configure the map tips. |
| Check all layers in legend settings page. | New "check all" and "uncheck all" options are available in the legend settings page. |
| Hotlink tool. | A new configurable hotlink tool is available that allows multiple links to be retrieved and presented based on the location clicked on the map. |
| Translucent zoom box. | The zoom / selection rectangle in IMF now by |

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| | default is a filled semi-transparent box. Thanks to James Langille from UC Kearney Ag. Center for the suggestion and implementation on the IMF forum. |
| Switch layers from selection set summary page. | From the selection set summary page, there is now an option to display a dropdown list to switch between all layers that also currently have active selection sets. This is activated by setting a site configuration property named "allow-switch-selected-set-layer" to "true". Thanks to Jared Erickson from Pierce County GIS for the suggestion and implementation on the IMF forum. |
| Map crosshair settings. | A new script has been added to allow users to dynamically set whether or not to display the crosshair graphic at the center of the map image. |
| Feedback spinner graphics | New configuration elements allow administrators to define the graphics used to display feedback when the map, data, or a PDF is loading. |
| ArcIMS workspace directory for uploaded shapefiles. | A new property in the imf.properties file allows for a different workspace path to be sent to ArcIMS when uploading a shapefile to a dynamic layer. When not configured, the function reverts to its previous behaviour of simply using the upload directory setting. |
| Quick Search configuration immediate refresh. | Quick Search configuration changes are now reflected upon reloading the IMF. Previously users had to close down their browser windows to have Quick Search changes reflected. |
| Object Model | |
| Remove identify links. | Identify links can now be programmatically removed from AimsFeatureLayer objects. |
| Number parsing according to locale. | Added methods in AimsEnvironment named parseArcImsInteger and parseArcImsLong to properly parse numbers according to locale. |
| Help System | |
| Dynamic title banner | The banner of the Help System now uses the same title banner as your IMF application, providing more UI consistency between the IMF and the Help System. |
| PDF Printing | |
| Center coordinate text prefix. | Added support for prefix attribute in centercoordinatetext element. |
| Units support in scalebar. | Added support for feet, miles, meters and kilometers as units in scalebar. |
| Graticule in different projection. | Support added to print configuration for graticules in projections other than the default map projection. |



2 Resolved Defects

The version 5.2.0 release of Geocortex IMF resolves the following defects. Note that some minor defects may have been resolved and are not documented here.

| General | |
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| Invalid characters in site parameter. | The site parameter sent to imf.jsp now does not accept special characters. This eliminates the defect whereby the allow-default property can be overridden by supplying a site named "../config". |
| Layer order in Add Layers script. | Layers now appear in the correct order in the Add Layers script. |
| Map and Startup scripts added more than once. | When switching between themes, map and startup scripts are added to the site config but the original ones are not removed beforehand. This resulted in these scripts being run multiple times after a user switched between themes. |
| Group metadata handler. | The metadata-handler attribute of a group now is supported, as per the documentation. |
| Identify links with null attribute values. | If the key field used to create an identify link with urlAppend type is null, the identify link still appears, causing the link to be invalid. |
| urlAppend identify links only work with a single result. | If a user sets up an identify-link element for a layer and chooses the urlAppend method, the first result rather than the comma separated list of results is used to build the resulting URL. This has been modified to use the full result set. |
| Map tips icon state. | When switching between toolsets, the map tips icon would not retain its state (active or inactive). It would always revert to the inactive state regardless of whether or not map tips were active. |
| Scale slider text format. | Scale slider in text format now functions properly. |
| Javascript error on IMF timeout. | When a user session times out in Internet Explorer, a javascript error occurred. This has been fixed. |
| Jump to theme error. | When the user selects "Select a theme to view" from the 'Jump to' themes menu, an error occurred. |
| Layer list tree nodes. | For folders 2 or 3 levels deep, the presentation of the nodes in the layer list was incorrect. |
| Map tips ConcurrentModificationException. | Many ConcurrentModificationException messages would appear in the log files when using Map Tips. |
| imfEmailTool.jsp generated an error. | imfEmailTool.jsp has been fixed and now functions as expected. |
| Query Builder invalid characters. | The query expression in the query builder did not properly escape special characters which could result in javascript errors. |



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| Help text for label visibility. | Help text for label visibility in the layers page has been fixed to display the correct icons. |
| imfNavigateMap.jsp generates an error. | The imfNavigateMap.jsp script now functions as expected. |
| Default group visibility. | Group visibility now defaults to false as per the documentation. |
| Callout markup error when zooming out. | An error is generated when the callout text becomes too small to render. This is observed when a user zooms in to a large scale, creates a callout box, then zooms back out to full extent again. |
| Callout box gets larger with each refresh. | When text is small (less than or equal to 6 pixels per character), the callout box will get wider by 10% on each refresh, and will never reset to the original size. |
| Point markup tool encoding. | The point markup tool incorrectly encodes single quote characters, resulting in encoded characters being placed onto the acetate markup layer. |
| Lat/Lon point markup switches minutes and seconds characters. | The Lat/Lon point markup tool now correctly places the minutes and seconds symbols. |
| Inconsistent support for special characters in callout boxes. | Invalid characters that would cause the ArcIMS request to fail are disallowed now in callout box form, and safe characters such as forward slashes are now allowed. |
| Field list in dynamic theming incorrectly ordered. | The field list presented when the user dynamically themes a layer was sorted incorrectly by name rather than by layer alias. This could cause the list to appear in semi-random order. |
| Invalid characters in layer name. | Using apostrophes in a layer's name causes those apostrophes to show up as ' in IE. |
| Object Model | |
| Legend dpi not copied. | In the com.moximedia.aims.pdf.Legend getCopy() method, the DPI is not properly copied to the new Legend object. |
| SDE table name not returned for SQL Server layers. | Layers backed by SQL Server SDE would not return an SDE table name from the getSdeTableName() method. This also resulted in the isSde() method incorrectly returning false. |
| GeoRSS | |
| Error when no initial extent defined. | Receive an unhandled NullPointerException when attempting to open a feed item when the map does not have a full extent defined. |
| Startup script not compatible with ServletExec. | Additional white space output from GeoRSS startup script caused a blank white page to be output from ServletExec rather than IMF launching the map. |
| PDF Printing | |
| Printed map does not render scale dependencies properly. | When generating a PDF map, the scale dependent rendering could be inadvertently adjusted by IMF, resulting in an incorrect renderer for layers close to their scale range. |



| ArcMap Server | |
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| North arrow location. | The north arrow location was incorrect (partially off the edge of the map) when using ArcMap server. |
| Invalid options presented. | Many options valid in ArcIMS AXL services are not valid in ArcMap server. Changes have been made to many files (markup, filter builder, etc) to remove those options from the interface when an ArcMap service is used. |
| Callout box text too large. | Callout box text extends beyond the boundary of the callout box when using ArcMap server. |

