



**HEXAGON**

Release Guide

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# **Release Guide**

M.App Enterprise 2021 Update 2

Version 16.7.2

7 July 2021

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## About This Release

This document describes the enhancements for M.App Enterprise. The information in this document is current as of the product release. For the most current version, visit the Hexagon [Geospatial Support Portal](#).

This release includes fixes and enhancements to M.App Enterprise. For information on product fixes, please review the Issues Resolved section. For information on enhancements, read the New Technology section.

This document is only an overview and does not provide all details about M.App Enterprise's capabilities. For additional information about M.App Enterprise, please read our [online help](#) and other product [documentation](#).

### Important Note

This release of M.App Enterprise is a kind of "hybrid." Despite the introduction of new features (Style Editor, M.App Editor, Feature Analyzer), pre-M.App Enterprise 2021 configurations and components are still there and working.

Some components and frameworks will be deprecated and gone with M.App Enterprise 2022:

- Old Style Editor
- Old M.App Editor
- Browser Apps based on Leaflet
- Feature Analyzer based on Leaflet
- BI Map Wizard

## M.App Enterprise Product

M.App Enterprise is an on-premises platform for creating geospatial apps for your organization. M.App Enterprise stores your imagery, vector and point clouds, workflows, analytics, and queries, which are all accessible in one place from an easy-to-use interface. With the M.App Enterprise platform, you can build and deploy your own geospatial applications (called Hexagon Smart M.Apps) to solve your organization's business problems. Hexagon Smart M.Apps are cloud-based, targeted, lightweight, and dynamic apps that provide answers and present information in a visual and compelling way.

M.App Enterprise delivers a privately hosted solution for organizations that want to realize the value of a Smart M.App deployment but stay within the confines of their enterprise network.

With M.App Enterprise, you can access Smart M.Apps anywhere within your organization's network for real-time answers.

# M.App Enterprise Enhancements and New Features

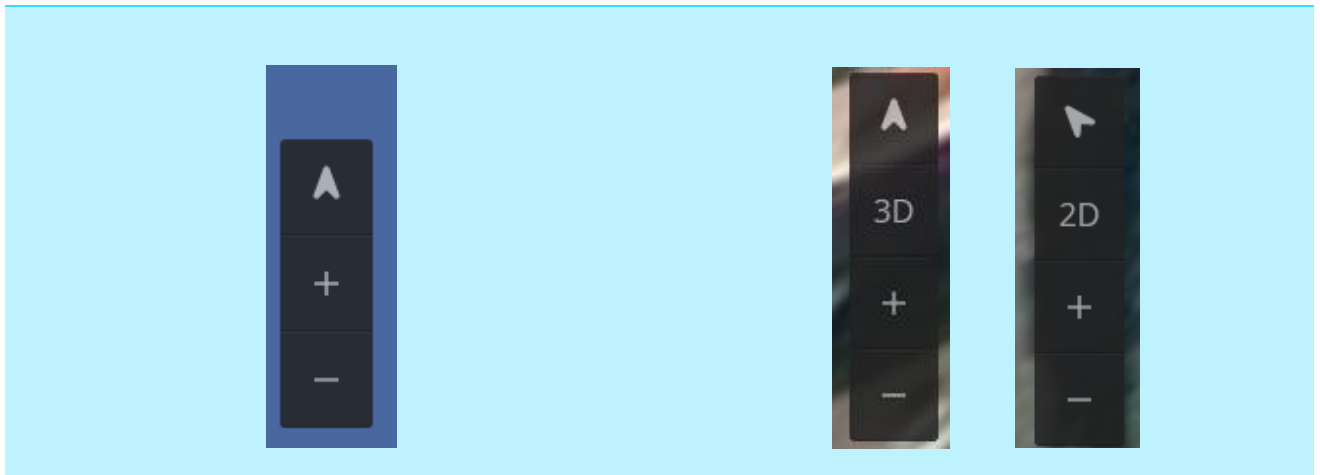
## 2D Button in RIA Browser App

Previously it was possible to switch to a top-down view by clicking two times on the compass needle on the left side but with this release there is a dedicated button to switch it. If you are in the top-down view you can tilt / use the camera as you are used to in order to switch back to the “3D” view.

***Please note: The button only switches the view on the client. If you start up again the app you will get back to the view the Studio Administrator had defined for you.***

Old

New





### 3rd Party Identity Providers

With this release we introduced a new Active Directory integration beside of the existing ones (onPremise, Azure) and it is called openID Connect.



If you set up your openID connect membership you should get the following parameters, which you can / should define:

- Discovery Url
- Client Id
- Client Secret (optional)
- Groups Claim (optional)
- Auth Url (automatically set with click on the REFRESH button)
- Token Url (automatically set with click on the REFRESH button)
- User Info Url (automatically set with click on the REFRESH button)

### Upload button for Icons within ActionSets

With this release we introduce the possibility to upload icons for your ActionSets directly within the M.App Enterprise Studio.

The storage didn't change, so the icons get stored at **MAEWarehouse\TENANT\AppData\images**.

### Upgrade Luciad software version

With this release we upgraded Luciad RIA to version 2020.1.20 and Luciad FUSION to 2020.1.25.

# Issues Resolved

Salesforce Ticket Number	Subject	Description
00065742	Some texts are in english despite german language settings	
00077685	MAE 2021 Style Editor - Polygon Graphic Fills preview correctly in the style editor but it is displayed solid grey fill in the resulting FA or Browser maps.	
00077774	Cannot select or drag/drop multiple items into legend at one time	
00077975	Tooltip information missing for Map View layer in Feature Analyzer	Although tooltips have been defined for the Vector data and in the Feature Analyzer Tooltips tab the respective attribute information is not shown in the tooltip box. The vector layer was added via the Map View wizard to the Feature Analyzer map. When using the same dataset outside a Map View in Feature Analyzer, the tooltips work fine.
00078090	Feature Analyzer - Display scale range not considered for vector data	Using styling with scale based symbology in the Feature Analyzer (for example 1 to 1500) the feature no longer shows up on the map.
00078105	Feature Analyzer - Live Data does not maintain filter defined for vector data	
00078135	Table join disappears when modifying functional attribute	The 'red line' link between 2 data sets is deleted automatically every time a Functional Attribute is modified including creation, updating, and deletion.
00076857 00077081 00078155	Feature Analyzer not Saving when adding CSV together with ShapeFiles	When adding a 2nd set of administrative data to the Feature Analyzer and linking this to the first using a unique identifier to get a one to many relations ship between primary (geography) and secondary (attribute data), the option to save the View doesn't work anymore. Showing the attributes from the 2nd file (data) as tooltip when clicking on a feature or use as theme to color the features is also not working
00078205	Feature Analyzer - Text Search results design problem (z-index)	The text search usually returns with a long list of matched entries. In version 16.6, the listing can be displayed beyond the chart box, but in the latest version 16.7, the listing will be confined within the chart box. Enlarging the chart box size will block the map.
00078226 00078647 00079497	Analyzer - All numbers have digit grouping symbol added automatically	
00078288	DESKTOP - Unable to pan map in app's maximum scale within app's full extent	MAE restricts its desktop maximum scale to fit with the end user screen and the app's full extent definition. In new version of MAE, user is unable to pan in the maximum scale within the full extent of the app
00078304	Camera can't be deactivated without Measurement tools being deactivated	
00078438	WMS and WMTS not in the same location for Web Map	Defined a WMS and WMTS services for desktop application, set the scales so that WMST is queried from 500 to infinity and WMS from 0 to 500. They are in Estonian coordinate system (epsg:3301). When thosa services used for 2D web map in epsg:3301 the WMTS service is not in the right location.
00078603 00080826	Analyzer - Linked dataset filtering issue	Two linked vector sets with inner join option disabled. First a filter is applied on

		<p>the first vector set and then another filter on the second vector set.</p> <p>Subsequently we remove each single filter from each widget and we should see again all the features of both vector sets in the title bar but the application shows only the linked features between the two vector sets as there was an active inner join that actually is disabled</p>
<b>00078649</b>	Workflow Editor - After inactivity the system fails to refresh the token and continue the previous session upon resumption of activity	<p>After a period of inactivity (~20 minutes or more) in Workflow Editor it appears that there is a logout being done in the background unbeknownst to the user. When returning the front end shows no sign of the logout and user is able to continue working. When next they try to save the work the save will fail and lock up the tab. To resolve the tab needs to be closed and a log out of Studio. This results in the work completed in the second session to be lost.</p>
<b>00078710</b>	DESKTOP - PRINT - Using mixed right-to-left (RTL) and left-to-right (LTR) in custom text box, results in incorrect behavior	<p>using mixed RTL and LTR direction letters in custom text box results in bad behavior:</p> <ol style="list-style-type: none"> <li>1. Spaces being omitted</li> <li>2. Wrong text direction in some of the text parts</li> </ol>
<b>00078718</b>	WMS Service Error in Desktop App	"net.opengis.wms.v_1_1_1.OnlineResource"s signer information does not match signer information of other classes in the same package"
<b>00078919</b>	Adding WMTS into the legend causes a browser application not to start	
<b>00079013</b>	Multi-line SQL and JavaScript stops saving of Workflow.	
<b>00079057</b>	Feature Analyzer - Table Widget - Geometry Locate functionality doesn't work properly	Using geometry locate causes LuciadRIA map to disappear
<b>00079063</b>	Error when submitting form with FormFile	When submitting form with a FormFile elements, it can only be saved when a new file is loaded to that field. If the field is blank (even if "required" is false), the server throws an error. The same happens if the field already contains data.
<b>00079207</b>	Analyzer - Theme chart custom labels don't update when using local data	<p>An App that takes a point feature dataset and style according assigned values was created.</p> <p>However, when the theme widget is edited to include descriptive text the app refuses to save, but it saves with the original values.</p>
<b>00079274</b>	Feature Analyzer - App not saving when a date time series chart is added over CSV data	<p>Creating an app that has a single feature dataset and a csv file that has the multivariate variables for each feature.</p> <p>The idea is to style the feature dataset based on the attributes contained in the csv file and further add a widget that takes the date variable and another measured variable and plot a time series chart.</p> <p>However, after successfully adding the widget the app doesn't save but if I remove same the app saves.</p>
<b>00079297</b>	Tenant missing on SQL Query API call	
<b>00079443</b>	BBOX not filled automatically	Desktop application the extend of the application (Bounding Box) is automatically been filled in the old version. When it left empty and the save button is pressed, then the Bounding Box will be filled with zeros (East= 0, West= 0, North=0 South =0).

<b>00079518</b>	Desktop - Can not finish drawing a line with a double click when snapping on an intersection with multiple layers.	At point of intersection of multiple layers the snapping is possible but the double click does not end the feature and drawing continues resulting in undesired geometry with additional vertices.
<b>00079616</b>	Studio - Cannot delete Action Parameter in the Workflow Editor	
<b>00079705</b>	Point Features disappear in FA	Point Features disappear in 3D FA App: Zoom out quite far at the beginning, point features disappear and do not appear again until complete reload of the app.
<b>00079756</b>	Studio - No recipes listed in Content	
<b>00080265</b>	Cannot publish Vector Set - Last simplification level has more points than unsimplified level	
<b>00080525</b>	Feature analyzer - the colors order on the map are in reverse order than defined and in the Theme widget.	n feature analyzer - the colors order on the map are in reverse order than defined and in the Theme widget. color 1 in theme is color 4 on map, color 2 in theme is color 3 on map, color 3 in theme is color 3 on map, color 4 in theme is color 1 on map

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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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