







### MapStore at geOcom 2024

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GeoSolutions



17th - 19th of June 2024 - geOcom



### **Agenda**



 What was released during 2023 for the <u>MapStore integration with geOrchestra</u>

 What's new in MapStore 2024.01 ready to land on geOrchestra

Ongoing work for MapStore 2024.02







### Overview of MapStore releases during last year



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### What has been released in MapStore from the last geOcom

?

### Two major series:

2023.01/02 (compatible with geOrchestra v23.0 series)

Released in Mar/Oct 2023 respectively (2 minor releases each)

2024.01 (available starting with geOrchestra v24.0 series)

Released in May 2024 (1 minor version released so far, the next in July 2024)



Lots of new powerful features and updates!





### What released during 2023 on geOrchestra







### What released during 2023 on geOrchestra



### Let's see together the main entries during 2023 for geOrchestra!



The complete release notes available on Github at:

https://github.com/georchestra/mapstore2-georchestra/releases/tag/2023.02.00-geOrchestra









### What released during 2023 on geOrchestra



VV

Las Vegas

Handling permissions for editing capabilities with

Attribute table

Type number to filter...

Read only layers

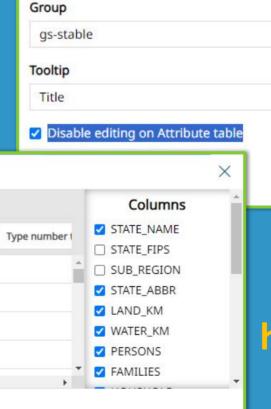
**FAMILIES** 

1.103.835

940.106

651.555

7,139,394



Persistence of hidden attributes

Placement

Top

Allowed user groups
(also for Style Editor and Catalog tool)

PERSONS

4.040,587

3,665,228

2.350.725

29,760,021

cfg.editingAllowedGroups Array<string>

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### What released during 2023 on geOrchestra

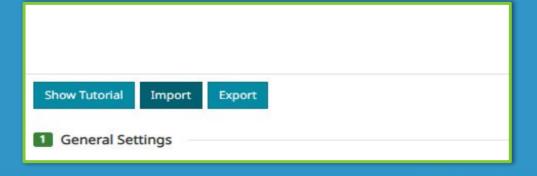


Share plugin: permalink function





Import/Export of Application Contexts







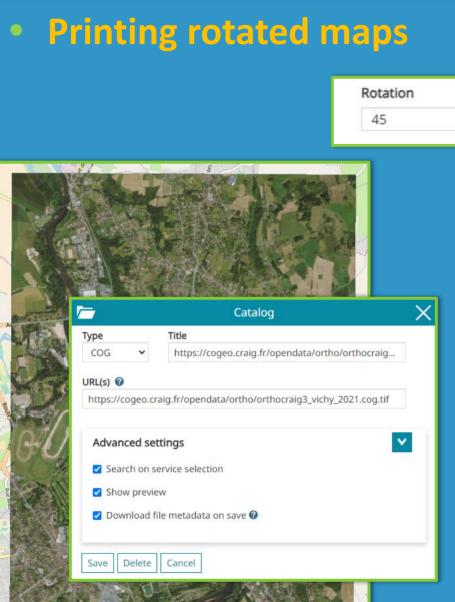


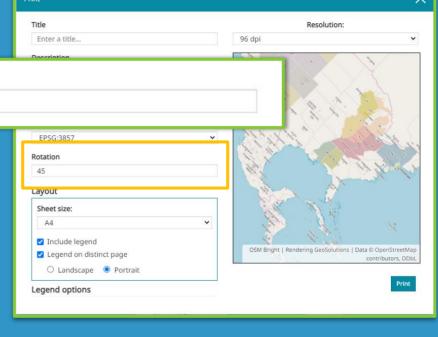
### What released during 2023 on geOrchestra











- Cloud Optimized
  GeoTIFF (COG):
  - The support for this new source type included in MapStore Catalog tool ....



### What's new in MapStore 2024.01







olutic

### What's new in MapStore 2024.01



### Let's see together the main new entries released for MapStore 2024.01!





The complete release notes available on Github at:

https://github.com/geosolutions-it/MapStore2/re leases/tag/v2024.01.00







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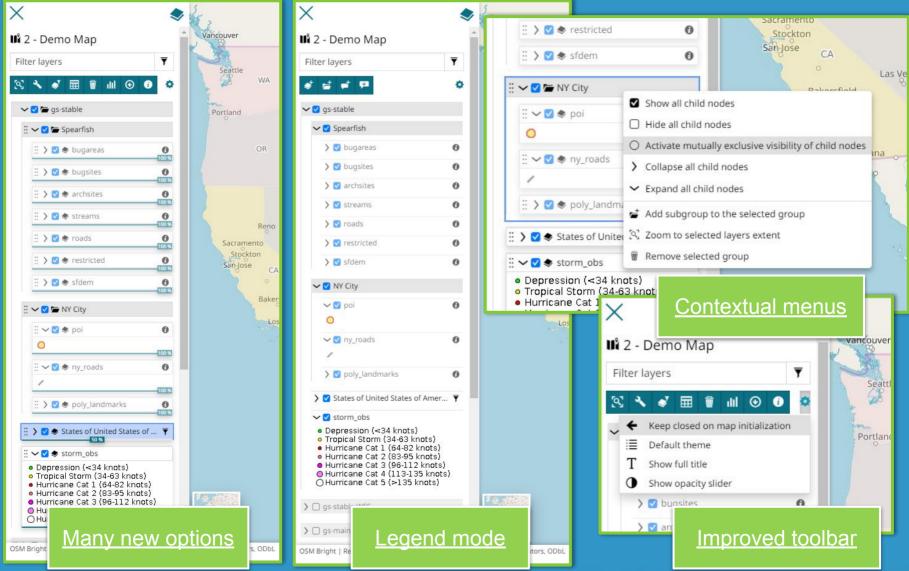
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### What's new in MapStore 2024.01



### •

Complete TOC reskin and many new functionalities added









### What's new in MapStore 2024.01



### Complete Annotation tool reskin and 3D editing capabilities









geospatial

### What's new in MapStore 2024.01



Improved widgets with multi-variable charts capabilities

\* - J US Workers Multiple traces for all F N Cen - 37 89 3001 Mid Atl - 35.29 Mtn - 12.4% chart types 200k Mid Δtl - 35.49 E S Cen - 14.0 Chisir Mtn - 12.3% 0 Unemploy Regina E N Cen - 39.0% Mid Atl - 34.1% E S Cen - 14.9% **Enriched capabilities** B B X 4 BEX and the same are the same and the same and the same are an are and are for layout and axes Wyoming Persons Wisconsin F N Cen management Iltah F S Cen Mtn New York E N Cen F.S.Cen Traces → — J<sup>\*</sup> US Population Trace data 1) E N Cen - 48.1% 2) F.S.Cen - 11.0% ₹ 3) Mtn - 6,99% 4) S Atl - 9.62% X Attribute 5) W N Cen - 20.6% SUB REGION 6) W S Cen - 3,67% Wisconsin Y Attribute Litab PERSONS Tennessee Ohio (1) - 11.7% Operation SUM Pennsylvani Michigan (1) - 10.9% 20M Indiana (1) - 6,48% New York Trace style 10M Kentucky (2) - 5,30% Colorado (3) - 3,95% Classification style Montana (3) - 0.939% Classification Attribute STATE NAME Wyoming (3) - 0.527% E S Cen E N Cen Mid Atl Unique interva Sort by Y Attribute Also for Dashboards! -Color ramp Pastel 2 Guadalaiara



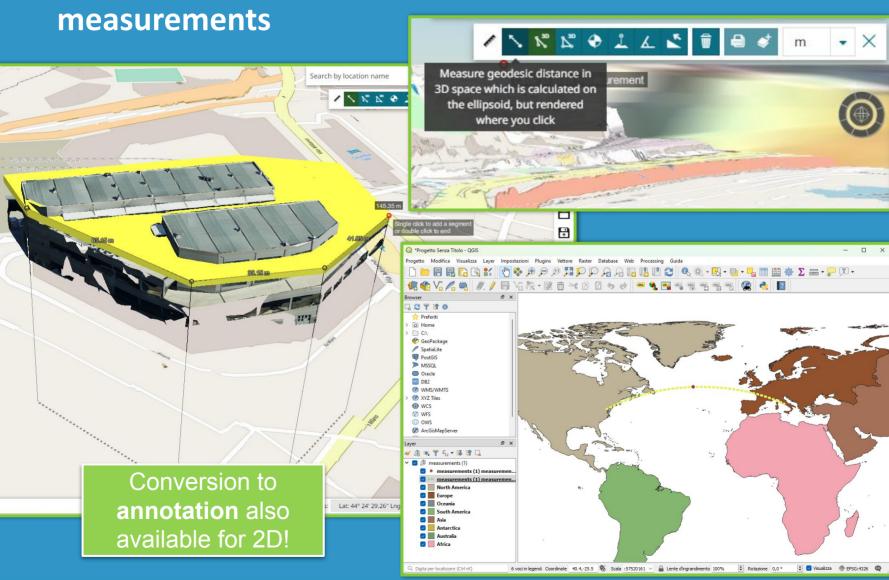




### What's new in MapStore 2024.01



• 3D geodesic length measurement and geodesic export of







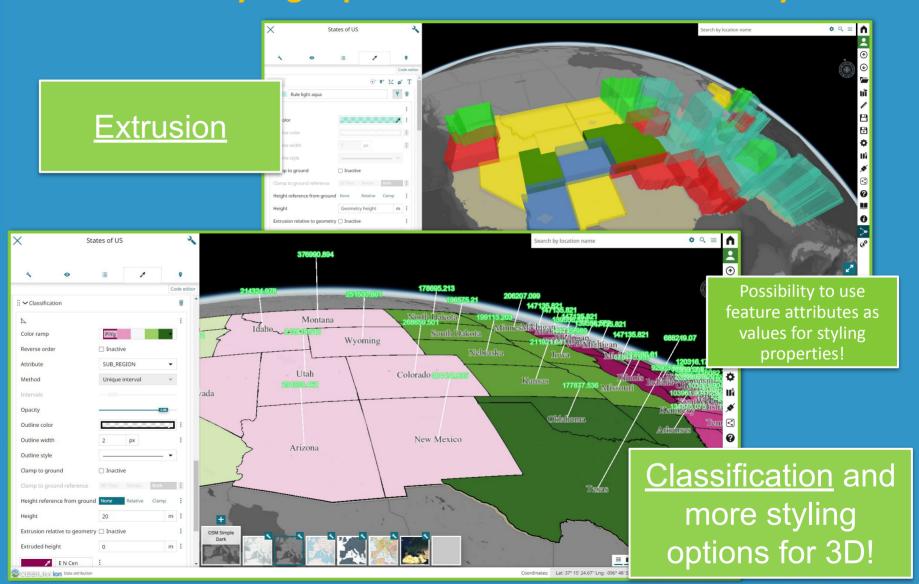




### What's new in MapStore 2024.01



Enriched styling capabilities of WFS and vector layers





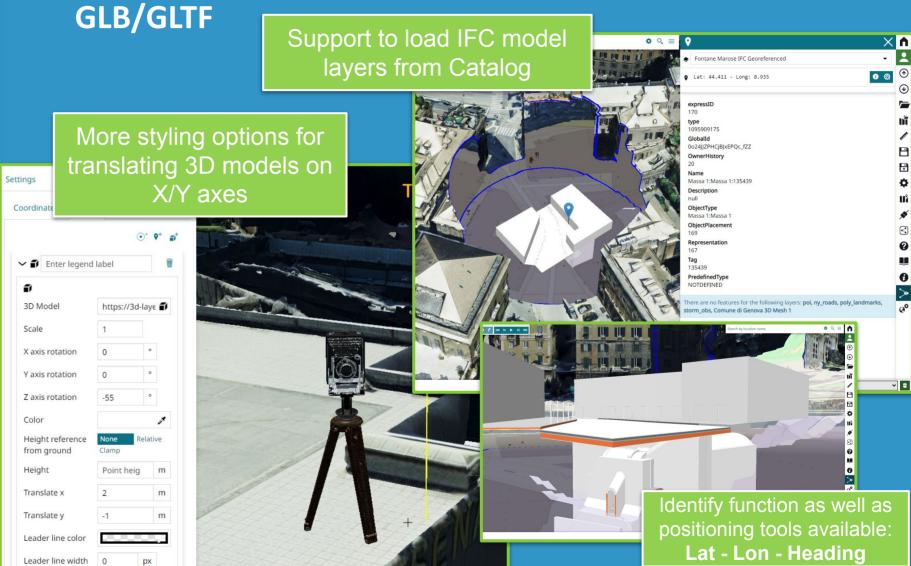




### What's new in MapStore 2024.01



FC model layer and more on 3D model symbolizer for



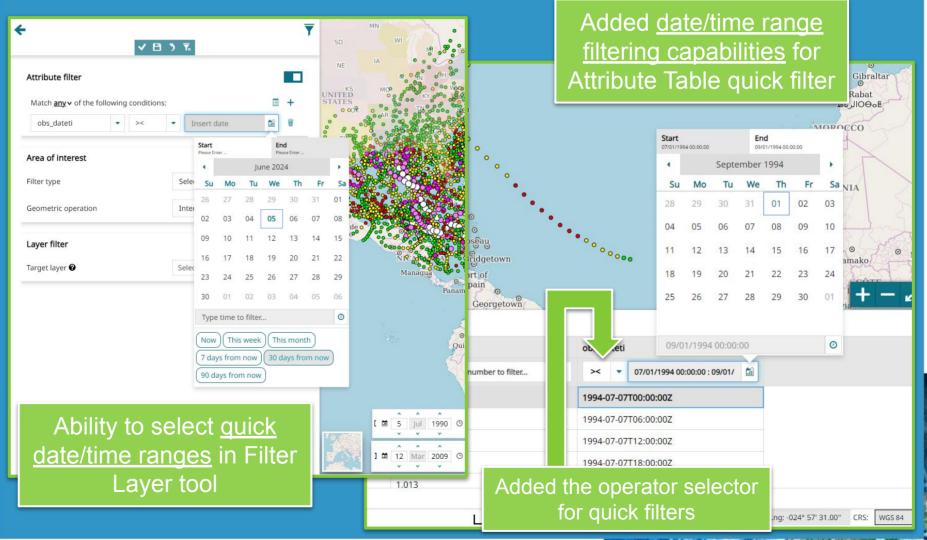




### What's new in MapStore 2024.01



 Improved Date/Time filtering capabilities in Attribute Table and Layer Filter tools





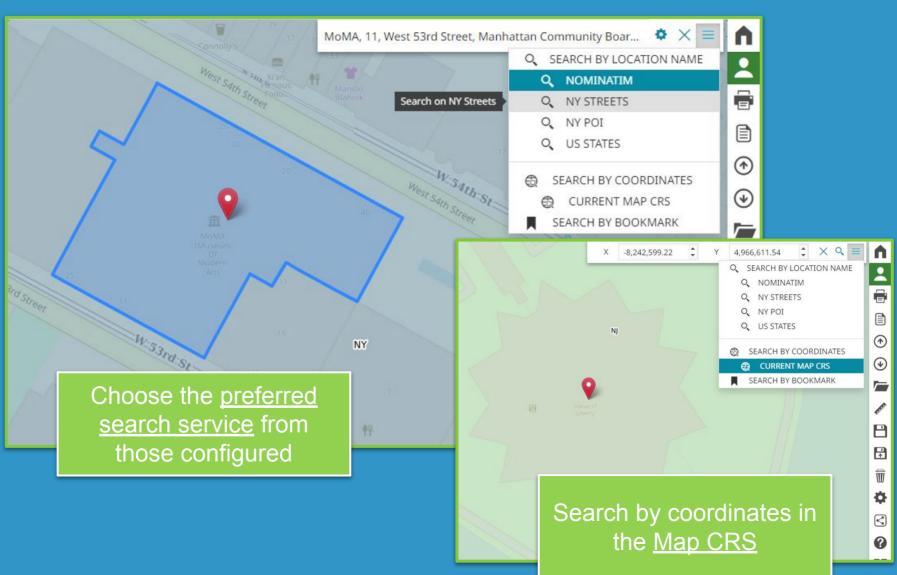




### What's new in MapStore 2024.01



### Search tool improvements for a enriched UX









### Solutions

X

Red channe

Green channe

Max 🚱

### What's new in MapStore 2024.01

Search by location name



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 Added support to multi-band color mapping for COG layers

orthocraig3 vichy 2021.cog

Band 1

Band 2

Band 3





Longitudinal profile

The state of the stat

official GeoServer

community module

 Longitudinal Profile tool

(requires Geoserver)

Persistence of COG layer's metadata is now included

Band styling





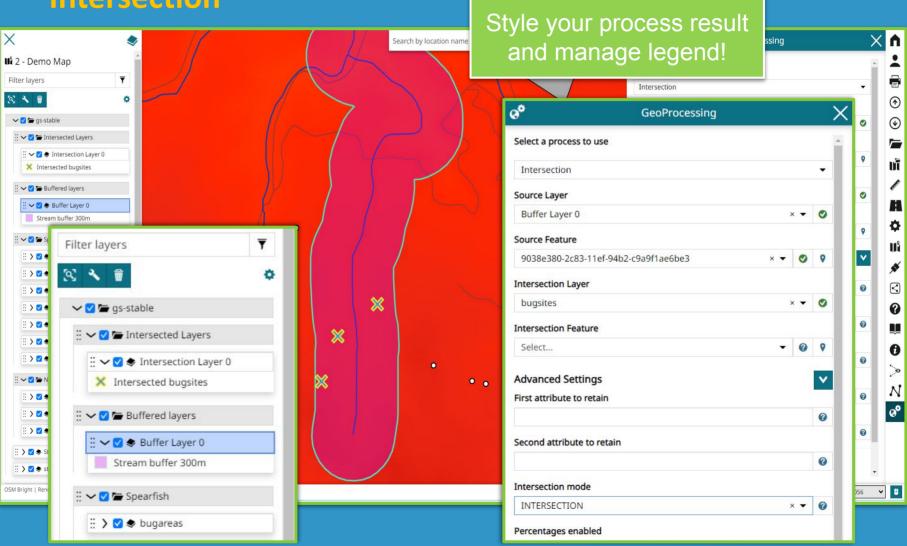


### What's new in MapStore 2024.01



olutio









### What's new in MapStore 2024.01



 Many Java dependency updates and <u>security</u> <u>improvements</u> on the MapStore backend side

MapStore ancillary web services

MapStore back-end module

Printing module

- Java dependency updates
- Security updates
- POMs clean up

... and many more in next releases!

- Switched to official <u>https://github.com/geosol</u> <u>utions-it/mapfish-print-v2</u>
- Java dependency updates
- Update to GeoTools 30.0
- Update to Java 11
- Security updates
- POMs clean up







### **Ongoing work for MapStore 2024.02**





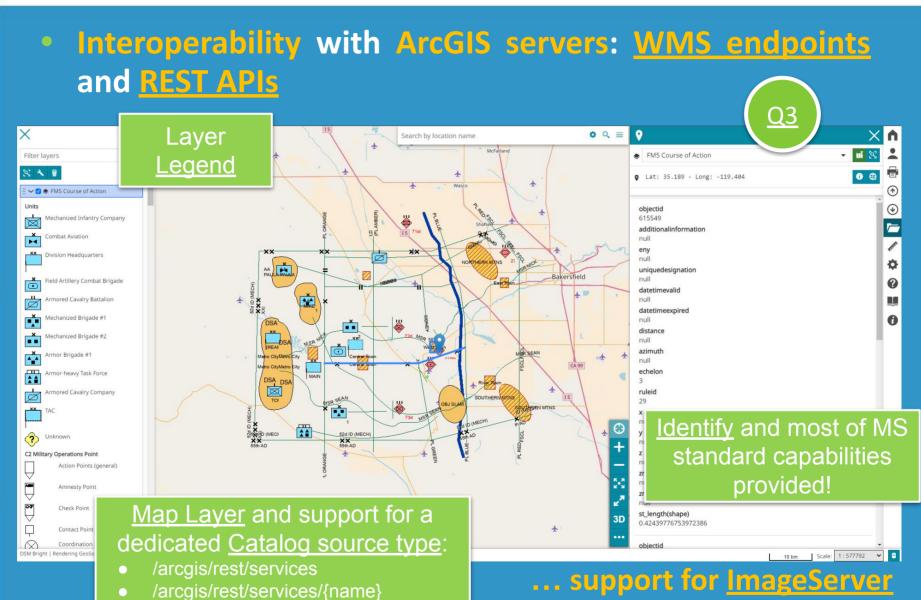


### **Ongoing work for MapStore 2024.02**



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available soon!



/MapServer



### **Ongoing work for MapStore 2024.02**



**Enhancing the pluggability of Street View tool including** the Mapillary viewer for custom 360 imagery



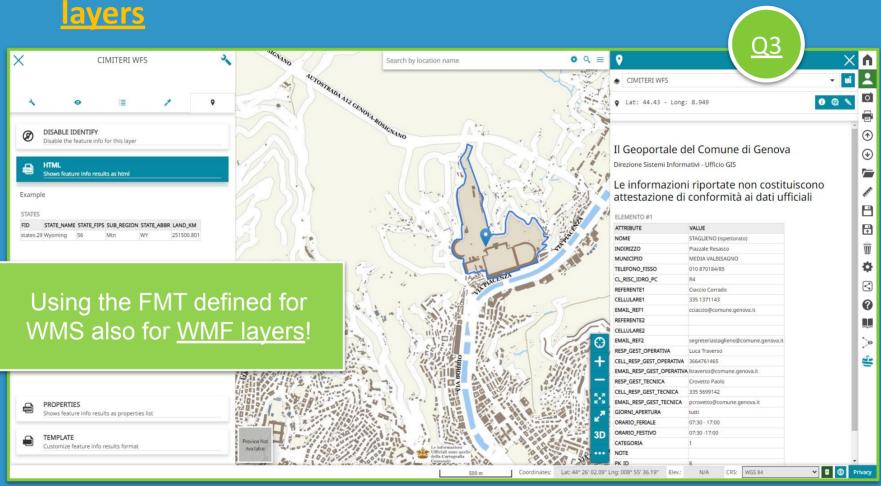








Support to identify responses in HTML format for WFS



Working on top of gs-wfs-freemarker-plugin community module

(requires Geoserver)

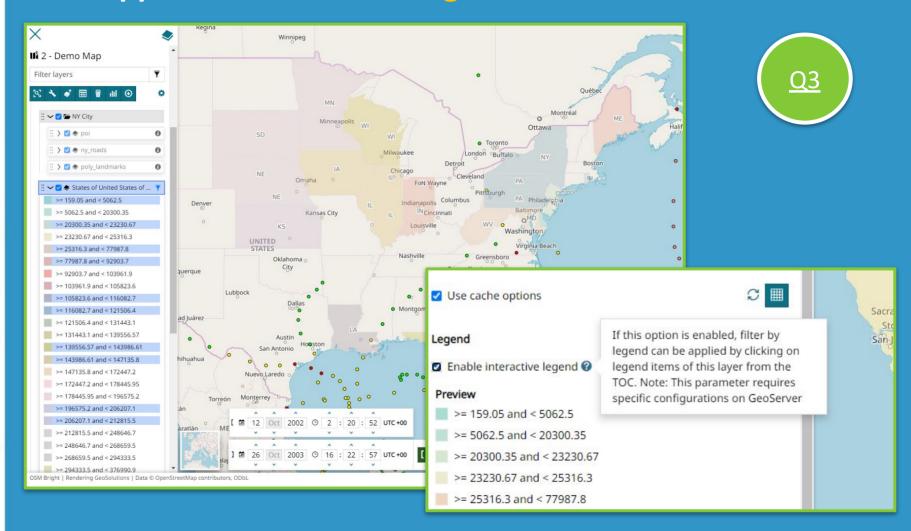




### **Ongoing work for MapStore 2024.02**



Support for interactive legend functionalities





Working on top of GetLegendGraphic in JSON format (requires Geoserver)

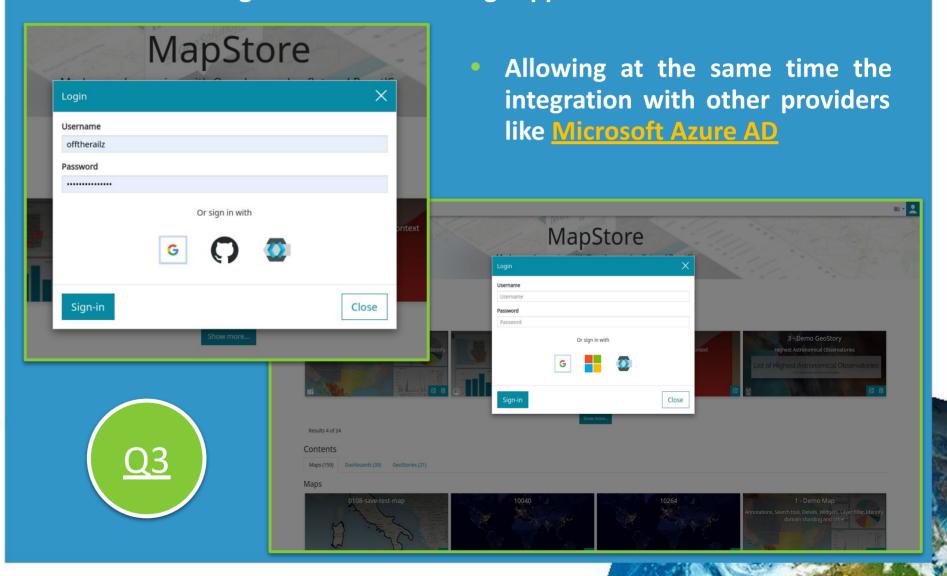








Improving the OpenID Connect (OIDC) support with a new client to enhance and generalize the existing support







### **Ongoing work for MapStore 2024.02**



Further performance improvements in loading script bundles and general cleanup of bundles from deprecations







loading chunks will be the main goal!



### **More Info - Online resources**



Demo site: https://mapstore.geosolutionsgroup.com



User documentation:

https://docs.mapstore.geosolutionsgroup.com/en/v2024.01.01/user-guide/home-page/

Developers documentation:

https://docs.mapstore.geosolutionsgroup.com/en/v2024.01.01/developer-guid e/requirements/

- GitHub Repo: <a href="https://github.com/geosolutions-it/MapStore2">https://github.com/geosolutions-it/MapStore2</a>
- Youtube Videos:

https://www.youtube.com/playlist?list=PLe2yzutVrnZ5tjYGYYcKmZzo M9ku5I9X

Mailing Lists: <a href="https://groups.google.com/g/mapstore-users">https://groups.google.com/g/mapstore-users</a>
<a href="https://groups.google.com/g/mapstore-developers">https://groups.google.com/g/mapstore-developers</a>





### That's all folks!









### Questions?

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