Agenda

- What was released during 2023 for the MapStore integration with geOrchestra
- What’s new in MapStore 2024.01 ready to land on geOrchestra
- Ongoing work for MapStore 2024.02

17th - 19th of June 2024 - geOcom
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!

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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

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Handling permissions for editing capabilities with Attribute table

Read only layers

Persistence of hidden attributes

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

cfgeditingAllowedGroups Array<string>
What released during 2023 on geOrchestra

- **Share plugin: permalink function**

  ![Share plugin interface](https://dev-mapstore2.geosolutionsgroup.com/mapstore/#/permalink/a7a88)

  - Permalink generated
  - Share the resource using the generated address
  - QR code
  - Create a new permalink

- **Import/Export of Application Contexts**

  ![Import/Export interface](https://dev-mapstore2.geosolutionsgroup.com/mapstore/#/)

  - Show Tutorial
  - Import
  - Export
  - General Settings

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Printing rotated maps

Cloud Optimized GeoTIFF (COG):
- The support for this new source type included in MapStore Catalog tool ...
What’s new in MapStore 2024.01
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/releases/tag/v2024.01.00

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What’s new in MapStore 2024.01

- Complete TOC reskin and many new functionalities added

Legend mode
Contextual menus
Improved toolbar

Many new options

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What’s new in MapStore 2024.01

- Complete **Annotation tool reskin** and **3D editing capabilities**

Enriched styling capabilities with many new options for 3D

Better UI/UX!

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What’s new in MapStore 2024.01

- Improved widgets with multi-variable charts capabilities

Multiple traces for all chart types

Also for Dashboards!

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What’s new in MapStore 2024.01

- 3D geodesic length measurement and geodesic export of measurements

Conversion to annotation also available for 2D!
What’s new in MapStore 2024.01

- **Enriched styling capabilities of WFS and vector layers**

Extrusion

Possibility to use feature attributes as values for styling properties!

Classification and more styling options for 3D!

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What’s new in MapStore 2024.01

- **IFC model** layer and more on 3D model symbolizer for GLB/GLTF

  - Support to load IFC model layers from Catalog

  - More styling options for translating 3D models on X/Y axes

  - Identify function as well as positioning tools available: Lat - Lon - Heading

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What’s new in MapStore 2024.01

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

  - Ability to select quick date/time ranges in Filter Layer tool
  - Added date/time range filtering capabilities for Attribute Table quick filter
  - Added the operator selector for quick filters

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What’s new in MapStore 2024.01

- **Search tool** improvements for an enriched UX

Choose the **preferred search service** from those configured

Search by coordinates in the **Map CRS**
What’s new in MapStore 2024.01

- Added support to multi-band color mapping for COG layers
  - Persistence of COG layer’s metadata is now included
  - Longitudinal Profile tool (requires Geoserver)

Working on top of the official GeoServer community module
What’s new in MapStore 2024.01

- **GeoProcessing** capabilities kick in with **Buffer** and **Intersection**

Style your process result and manage legend!

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What’s new in MapStore 2024.01

- Many Java dependency updates and security improvements on the MapStore backend side

MapStore ancillary web services
- Java dependency updates
- Security updates
- POMs clean up

MapStore back-end module

Printing module
- Switched to official https://github.com/geosolutions-it/mapfish-print-v2
- Java dependency updates
- Update to GeoTools 30.0
- Update to Java 11
- Security updates
- POMs clean up

... and many more in next releases!

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Ongoing work for MapStore 2024.02

17th - 19th of June 2024 - geOcom
Interoperability with ArcGIS servers: **WMS endpoints** and **REST APIs**

- Ongoing work for MapStore 2024.02

Map Layer and support for a dedicated Catalog source type:
- `/arcgis/rest/services`
- `/arcgis/rest/services/{name}`
- `/MapServer`

Identify and most of MS standard capabilities provided!

... support for **ImageServer** available soon!

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

Support for standard Mapillary provider still in progress.

Available on both 2D and 3D!

Cyclomedia Street Smart APIs also supported!

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Ongoing work for MapStore 2024.02

- Support to **identify** responses in **HTML format** for **WFS layers**

Using the FMT defined for WMS also for **WMF layers**!

Working on top of [gs-wfs-freemarker-plugin](https://github.com/geosolutions-nersi/gs-wfs-freemarker-plugin) community module

*requires Geoserver*

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Ongoing work for MapStore 2024.02

- Support for **interactive legend** functionalities

**Working on top of GetLegendGraphic in JSON format** (requires GeoServer)

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

Allowing at the same time the integration with other providers like Microsoft Azure AD
Ongoing work for MapStore 2024.02

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

- Lazy loading with React

- Removing obsolete tools and components

- Removing further big dependencies

**Lightening the bundle and lazily loading chunks will be the main goal!**

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More Info - Online resources

- **Demo site:** [https://mapstore.geosolutionsgroup.com](https://mapstore.geosolutionsgroup.com)

- **User documentation:**
  [https://docs.mapstore.geosolutionsgroup.com/en/v2024.01.01/user-guide/home-page/](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-guide/requirements/](https://docs.mapstore.geosolutionsgroup.com/en/v2024.01.01/developer-guide/requirements/)

- **GitHub Repo:** [https://github.com/geosolutions-it/MapStore2](https://github.com/geosolutions-it/MapStore2)

- **Youtube Videos:**
  [https://www.youtube.com/playlist?list=PLe2yzutVrnZ5tjYGYYcKmZzo_M9ku5l9X](https://www.youtube.com/playlist?list=PLe2yzutVrnZ5tjYGYYcKmZzo_M9ku5l9X)

- **Mailing Lists:**
  [https://groups.google.com/g/mapstore-users](https://groups.google.com/g/mapstore-users)
  [https://groups.google.com/g/mapstore-developers](https://groups.google.com/g/mapstore-developers)

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That’s all folks!

Questions?

info@geosolutionsgroup.com

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