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MapStore at geOcom 2025 An Year in Review

Tobia Di Pisa GeoSolutions











What's new in <u>MapStore 2025.01</u> ready to land on <u>geOrchestra</u>

Ongoing works for MapStore <u>2025.02</u>







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What's new in MapStore 2025.01







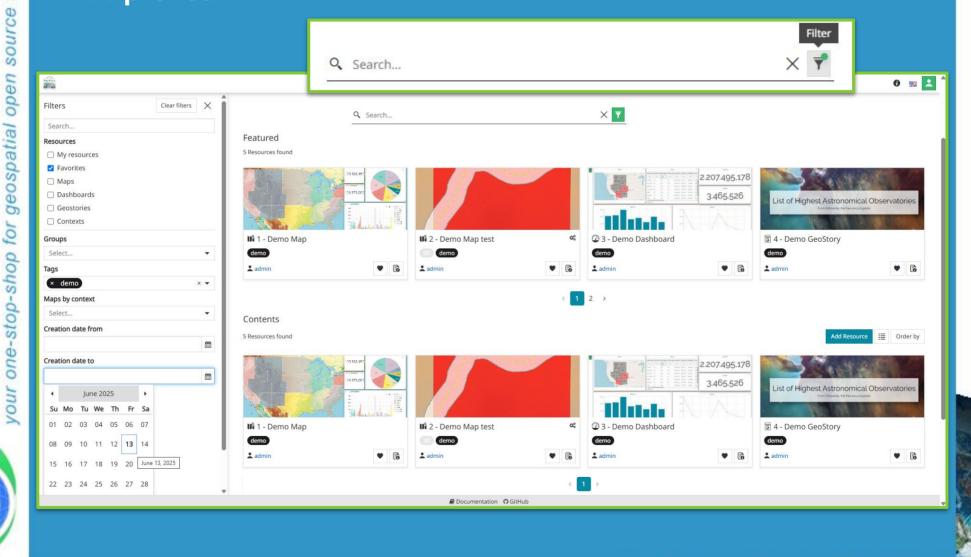


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<u>MapStore Home Page</u> layout completely reviewed and UX improved





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MapStore Home Page with many new filtering capabilities!

Filters	Clear filters	×
Trees		
Resources		
My resources		
Favorites		
🗌 Maps		
🗹 Dashboards		
Geostories		
Contexts		
Groups		
× collaborators		× •
Tags		
× demo		× 🔻
Maps by context		
Select		•
Creation date from		
06/08/2025		#
Creation date to		
06/13/2025		m

- <u>My resources</u>
- Free text
- Groups
- Application context
- Tags
- Date Period

Filter state now in Catalog URL!

https://dev-mapstore.geosolutionsgroup.com/map store/?#/?q=Storm&f=map&f=context&f=favorite& filter%7Bgroup.in%7D=geosolutions&filter%7Btag.i n%7D=demo&filter%7Bcreation.gte%7D=2021-03-0 2T00%3A00%3A00&filter%7Bcreation.lte%7D=2025 -06-13T23%3A59%3A59



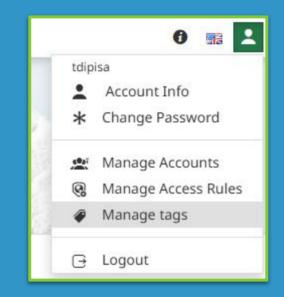




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The new MapStore Home Page brings also Tags!

lame	Description	Color		-
My Tag			1	Ľ
1				Ø
2				Ø
3				Ø
3D				Ø
ABO ENERGY				Ø
demo				Ø
elena				Ø
My tag this is a test				Ø
new				Ø
test1				Ø
test1223				Ø



Administrators can define Tags for users







MapStore Home Page with improved resource Details for a **better UI/UX**

source software	 MapStore H better UI/U 	<u>ome Page</u> with in X	nproved reso	ource De	tails for a
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DE CONTRACTION			to MapStore		
DIC eospatial	and the stand	Modern webmapping with Ope	nLayers, Cesium, Leaflet and Read	t III 2 - Demo Map test	
pa				Info Permissions About	
S		Q Search	Ÿ	Name	2 - Demo Map test Sample map from GS demo context test
e e	Featured			Description Created by	admin
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2			-	Modified by	tdipisa
2		2.207.495.17	8	Modified	May 26th 2025
Q		3.465.526		Contact details	tobia.dipisa@geosolutionsgroup.com
op-shop				Tags Advertised	3D demo
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	https://dev-mapstore.geosolutionsgroup.com/mapstore/?#	a Docum	entation O GitHub		
1.5					



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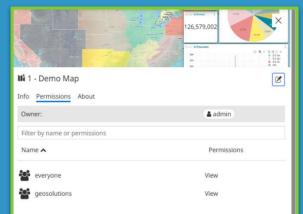
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What's new in MapStore 2025.01



<u>MapStore Home Page</u> with improved resource Details for a better UI/UX

III 1 - Demo Map	Ø
Name	1 - Demo Map
Description	Annotations, Search tool, Details, Widgets, Layer filter, Identify, domain sharding and other
Created by	admin
Created	July 8th 2019
Modified by	admin
	June 12th 2025
Modified	June 12012025
	demo
Modified Tags Advertised	





United States

The United States of America (U.S.A. or USA), commonly known as the United States (U.S. or US) or America, is a country primarily located in North America. It consists of 50 states, a federal district, five major unincorporated territories, 326 Indian reservations, and some minor possessions.[g] At 3.8 million square miles (9.8 million square kilometers), it is the world's third - or fourth-largest country by total area.[c] It borders Canada to the north and Mexico to the south. With a population of more than 331 million people, it is the third most populous country in the world. The national capital is Washington, D.C., and the most populous city is New York City.

	Paleo-Indians migrated from Siberia to the North American mainland at least 12,000 years lago, and European colonization began in the 16th century. The United States emerged from the thirteen British colonies established along
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Tags

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Name

Description

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Modified by

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📫 1 - Demo Map

Info Permissions About

What's new in MapStore 2025.01



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demo

1 - Demo Map

admin

admin

July 8th 2019

lune 12th 2025

× demo

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Annotations, Search tool, Details, Widgets, Laver filt

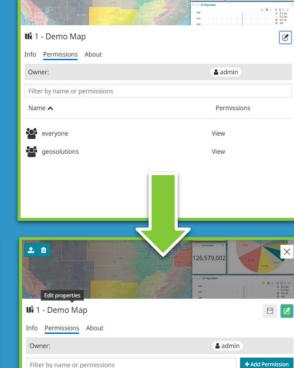
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Permissions

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1 View

1 View





United States

The United States of America (U.S.A. or USA), commonly known as the United States (U.S. or US) or America, is a country primarily located in North America. It consists of 50 states, a federal district, five major unincorporated territories, 326 Indian reservations, and some minor possessions.[g] At 3.8 million square miles (9.8 million square kilometers), it is the world's third - or fourth-largest country by total area.[c] It borders Canada to the north and Mexico to the south. With a population of more than 331 million people, it is the third mos







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MapStore Home Page with an alternative catalog mode for improving the overall UX

14 Resources found				
💄 admin	admin	🖤 🗟 🕹 admin	domin	• 6
		< 1 2 3 4 >		
Contents				
15 Resources found				Add Resource 📕 Order by
Name	Description	Tags	Modified	Created by
10358_demo_dashboard		demo	@ Jun 13th 25, 4:22:56 pm	L surendhar
💵 1 - Demo Map	Annotations, Search tool, Details, Widgets,	Layer filter, Iden demo	O Jun 12th 25, 10:48:09 am	 Add to favorites Open properties
🗤 2 - Demo Map test	Sample map from GS demo context test	3D demo	O May 26th 25, 6:10:54 pm	Share
3 - Demo Dashboard	Filtering Capabilities	demo	@ May 15th 25, 9:48:46 am	🛓 admin
a - Demo GeoStory	Highest Astronomical Observatories	demo	@ May 12th 25, 4:25:27 pm	🛓 admin
1 5 - 3D Underground Transparency	This example shows how apply globe trans	sparency inside a 3D demo	@ Jun 13th 25, 4:20:44 pm	Ladmin





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MapStore Home Page ... to manage all resources together!

		< 1 2 3 4 >		
Contents				
15 Resources found				Add Resource 🔛 Ord
Name	Description	Tags	Modified	Created by
10358_demo_dashboard		demo	Ø Jun 13th 25, 4:22:56 pm	L surendhar
👪 1 - Demo Map	Annotations, Search tool, Details, Widgets	Layer filter, Iden demo	Ø Jun 12th 25, 10:48:09 am	Add to favoritOpen propert
2 - Demo Map test	Sample map from GS demo context test	3D demo	O May 26th 25, 6:10:54 pm	Share
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Create m Create da	ashboard eostory 3.465.526			



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MapStore Home Page ... with improved sorting options!

		< 1 2 3 4 >		
Contents				
15 Resources found	Description	Tags	Modified	Add Resource III Orde
10358_demo_dashboard		demo	Ø Jun 13th 25, 4:22:56 pm	よ surendhar
🕅 1 - Demo Map	Annotations, Search tool, Details, Widgets, Lay	er filter, Iden demo	Ø Jun 12th 25, 10:48:09 am	Add to favoriteOpen propertie
1 2 - Demo Map test	Sample map from GS demo context test	3D demo	O May 26th 25, 6:10:54 pm	Share m Delete
3 - Demo Dashboard	Filtering Capabilities	demo	O May 15th 25, 9:48:46 am	よ admin
a - Demo GeoStory	Highest Astronomical Observatories	demo	O May 12th 25, 4:25:27 pm	💄 admin
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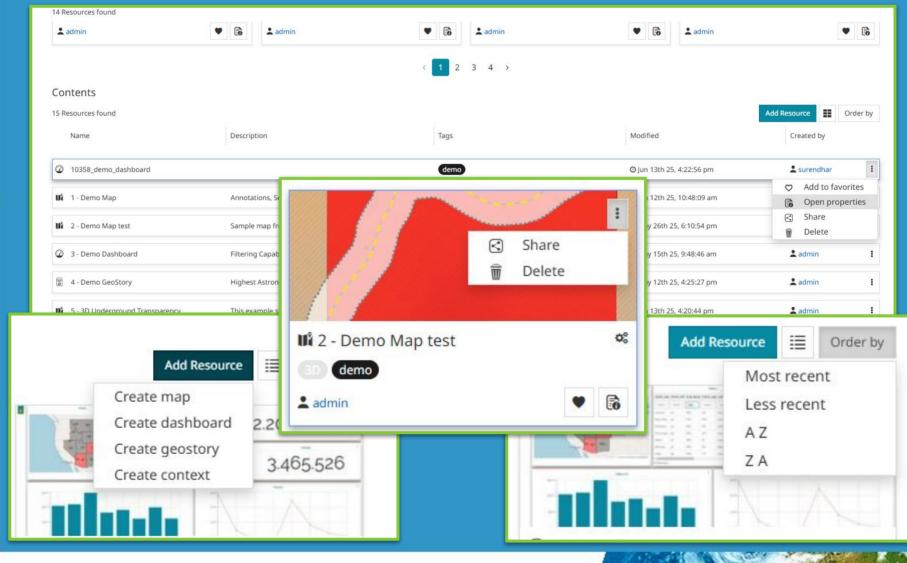
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What's new in MapStore 2025.01



MapStore Home Page ... with a better controls on resource items. Highly customizable also for downstream projects!



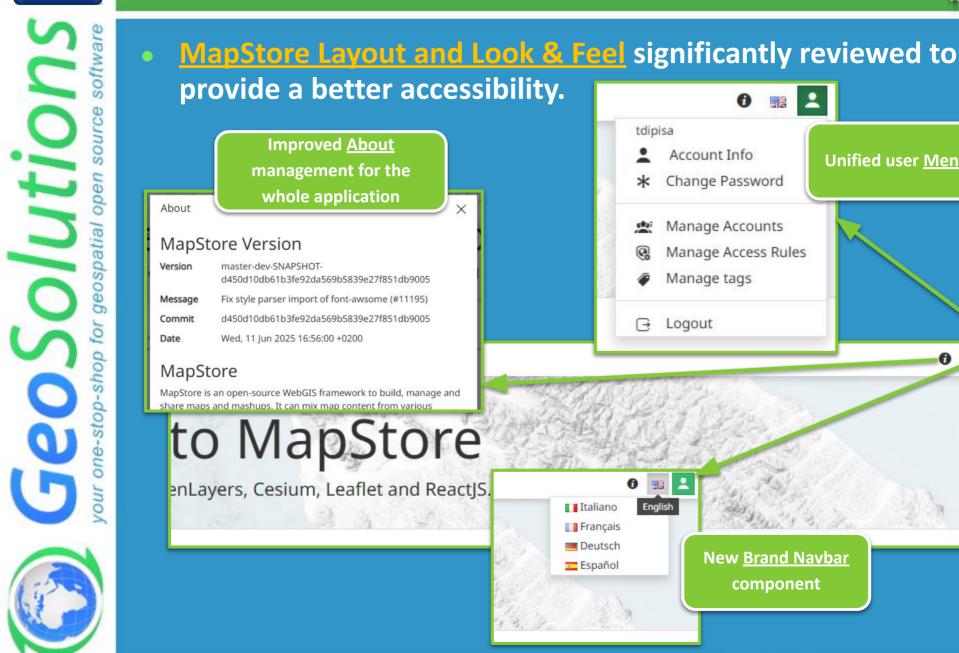


What's new in MapStore 2025.0



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Unified user Menus







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Users Groups						
Search users 169 Users found						New User
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10990_group everyone	geosolutions everyone	× 🗊	vtopia everyone	٦ 🗑	everyone	× 🗊
💄 admin	🛓 alab		Lale-cristofori		Lale-cristofori-user	
geosolutions everyone 🔾 🗑	everyone	א ≣	geosolutions everyone	٦ 🗑	test_group everyone	× 🗊
alertxundi	Lalex-fed		L allyoucanmap		💄 alpa	
everyone 🔧 🗊		12	geosolutions everyone	3	everyone	2 III
				4	everyone	
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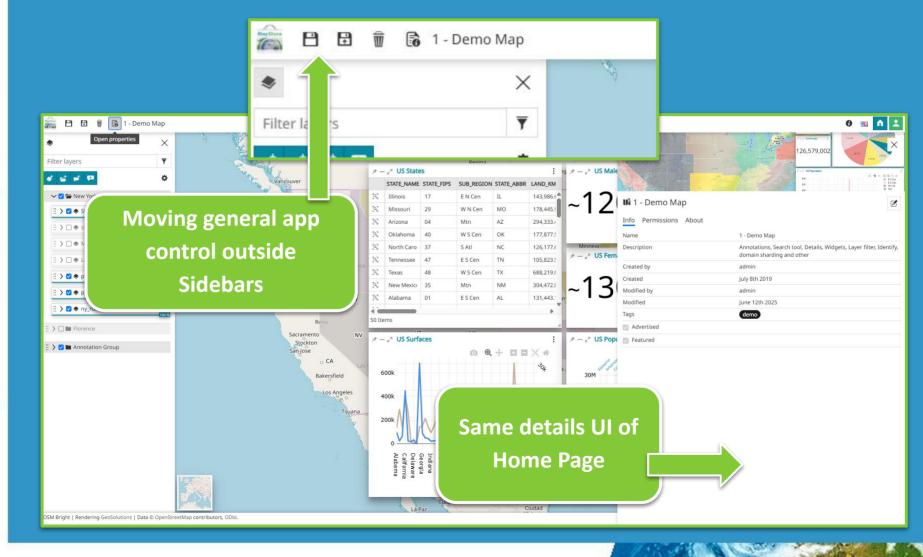
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What's new in MapStore 2025.0



<u>MapStore Layout and Look & Feel</u> ... to enhance the UX also within resources with the new Brand Navbar







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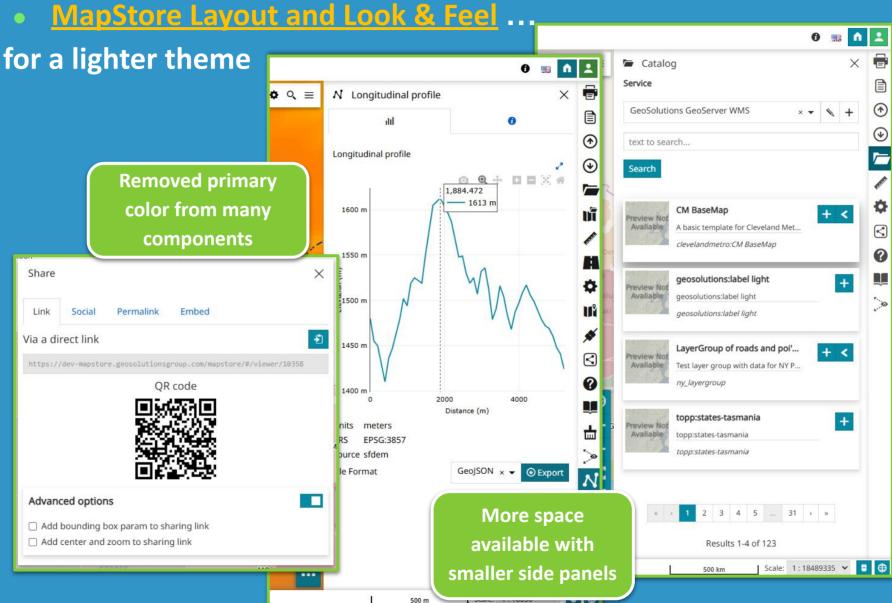
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Improved user feedback on

modified resources

Winnipeg

Are you sure to leave without apply your changes?

If you leave you will lose your pending changes

Cancel

23th - 25th of June 2025 - geOcom

Leave



Leave

Back to editing

Improved UX with new

confirmation dialog when

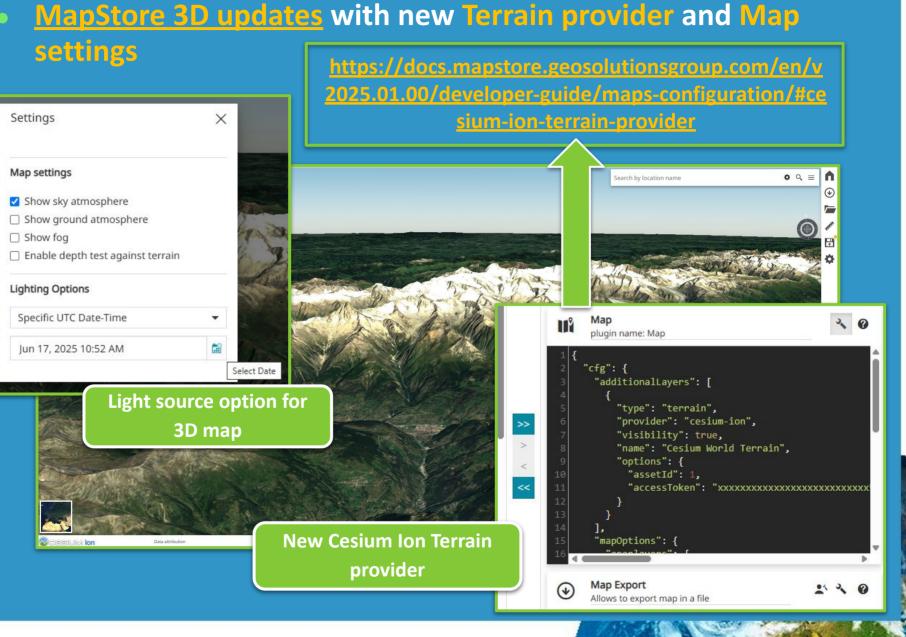
closing the browser window

softwar MapStore Layout and Look & Feel ... for better notifications! olutio source Hant In PB 1 - Demo Map B Х geospatial open Renewed confirmation dialog when leaving for resources one-stop-shop (Em) Pro (5) Ma our Leave site? Changes you made may not be saved. Regina





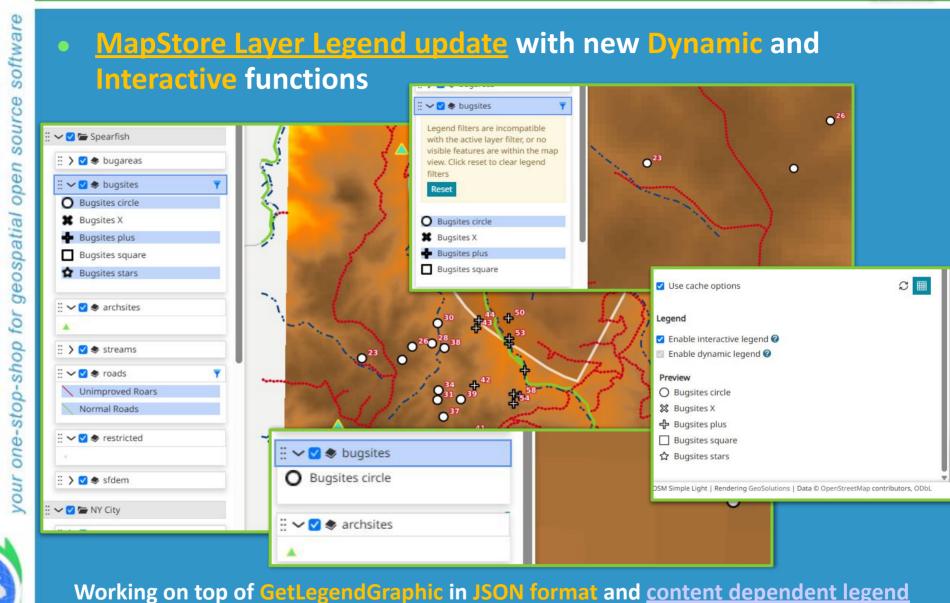
softwar settings olutio source Settings open Map settings eospatial Show sky atmosphere □ Show ground atmosphere □ Show fog Enable depth test against terrain 6 **Lighting Options** 0 Specific UTC Date-Time one-stop-shop Jun 17, 2025 10:52 AM





What's new in MapStore 2025.01





GeoServer capabilities (requires GeoServer)



What's new in MapStore 2025.01





MapStore Printing update for an improved UX and a new function also available

× •	Print		>	< same	Printing preview map now
•	Title		Resolution:	< .	disconnected from the
	Enter a title	9	6 dpi 🗸 🗸	5	
0	Description			}	underlying main map
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	 Include legend Legend on distinct page 		OpenStreetMap contributors, ODbL		10 M
0	C Landscape Por		Ont	ion to exclu	
	Legend options	■ MapStore	Guides -		
0		-	You can custon desired	d layers fron	n the
		printing			5 1 5 1 5 1 5
0			(printingService) pr	inted legend	npienients a maprisi print v2 compatible worknow. It is possible to over
	_	.Print	It is also possible to customize the payl	oad of the spec sent to the map	fish-print engine, by adding new transformers to the default chain.
		c .PrintScale	Each transformer is a function that can	add / replace / remove fragmen	ts from the JSON payload.
		Print	Property	Туре	Description
			cfg.excludeLayersFromLegend	Array <string></string>	list of layer names e.g. ["workspace:layerName"] to exclude from printed document
			cfg.ignoreLayers	Array <string></string>	list of layer types to ignore in preview and when printing, default ["google", "bing"]
			cfg.mapPreviewOptions	object	options for the map preview tool



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<u>MapStore User Session update</u> with an improved support and a finest control on session items

Clear user session

Are you sure to remove the current user session? This will restore the original map/context configuration, removing your current changes. Please select what you want to remove and unselect what you want to preserve.

✓ Everything

- ✓ ✓ Map ✓ Zoom and center
 - Visualization Mode (3D/2D)
- **∨** ∠ Layers
 - Annotations Layer
 - Measurements Layer
 Background Layers
 - Other Layers
- Catalog Services
- Widgets
- Text Search Services
- Bookmarks
- Feature Grid

V Other

- Table of Contents Configuration
 userSession.sessionLabels.swipe
- Playback Configuration
- Map Views
- Map Templates
- User Plugins

- <u>Different clear options map specific</u>
- Search services also supported
- Attribute Table
- Table of Contents and others plugins
- Widgets
- Catalog services







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<u>MapStore MapViews update</u> for an improved control of views layers with a more advanced TOC

Globe Transluncency Layers Options		More advanced TOC
Show clipping layers geometries Filter layers	• <u>* *</u>	controls with embedded support for Terrains
✓ ♦ Terrain Clipping layer source Select		
Clipping feature Select	- ·	tt KS Controls to sure with the
Inverse clipping		Controls to sync with the main TOC
 ✓ ✓ 🖻 gs-stable ○ ♦ alberi_pubblici ✓ ○ 🕞 Spearfish 		
 ✓ Image: Specification ✓ Image: Specifi	*	
✓ ♦ bugsites		Ability to selectively
 ✓ ◆ archsites ✓ ◆ streams 		disconnect layers from the
v streams v ⊗ roads	* *	main TOC

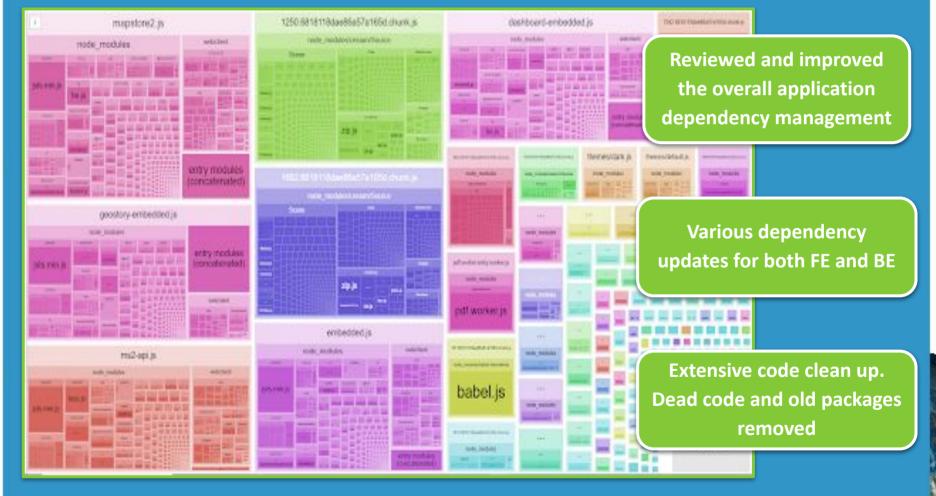


What's new in MapStore 2025.01





Various dependency updates and clean up. Consolidated dependency management and code clean up





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Check out the new version from Github and enjoy the new functionalities

released for MapStore 2025.01 also in geOrchestra!



The complete release notes are available on Github at: https://github.com/geosolutions-it/MapStore2/releases/tag /v2025.01.00





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Ongoing works for MapStore 2025.02



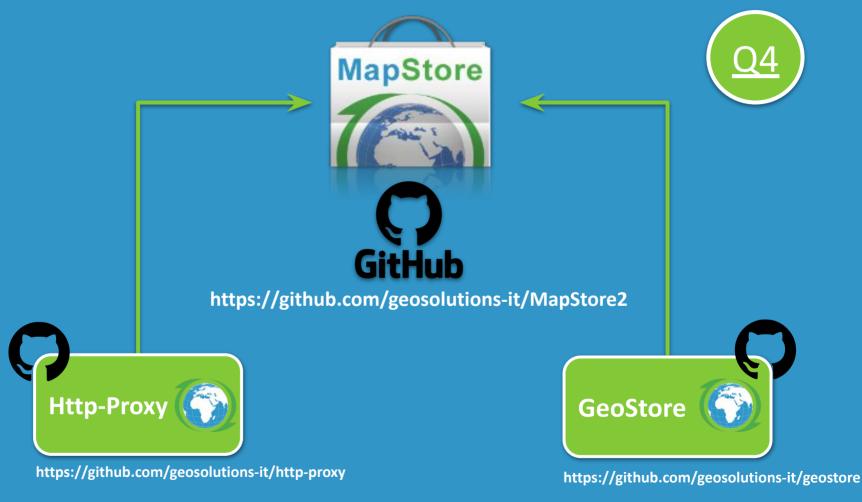














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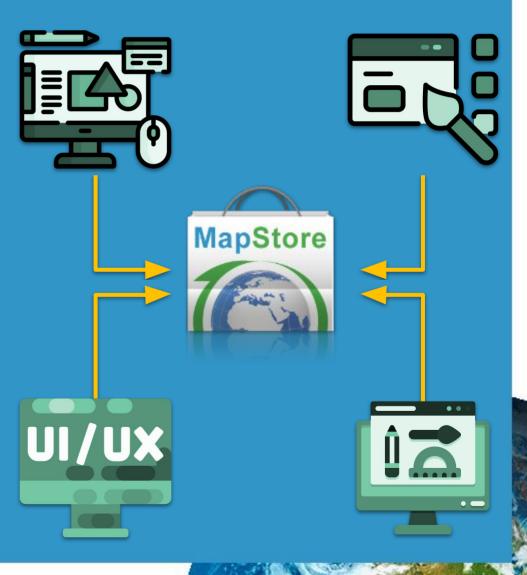
Further updates for the MapStore's theme and layout

<u>New default theme</u>

- Possibility to switch to dark theme from user menu
- Further harmonization of buttons
- Further updates on dialogs and card items
- New font-family
- New project entry page
- Overall layout renew

Expected for

<u>Q4</u> <u>2025/2026</u>







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New Terrain Switcher component for managing terrain layers from UI and switching between them

ccess token	Title Url	O Custom terrain	ب mas de
tle sset id	Add new terrain Provider DDS/BIL WMS	× Terrains	
dd new terrain rovider Cesium Ion -	×	Copen Street Map	
Ni Secolaria		Add NE Political	
o tr Url		OSM Simple Dar	k 3.
Provi	der Cesium 👻	Backgrounds	



Ongoing works for MapStore 2025.02







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Cleveland Metroparks

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EMSA Star Services

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<u>Q3</u>

Groups

Filter...

softwar Managing Resource Permissions by IP address olutio geospatial open source 🎼 2 - Demo Map Info Permissions About & admin Owner: Filter by name or permissions Permissions Name 🔺 for Somegroup View one-stop-shop < 192.168.1.1/8 View 20 our 23th - 25th of June 2025 - geOcom



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Demo site: <u>https://mapstore.geosolutionsgroup.com</u>



User documentation:

https://docs.mapstore.geosolutionsgroup.com/en/v2025.01.00/user-guide/ho me-page/

Developers documentation:

https://docs.mapstore.geosolutionsgroup.com/en/v2025.01.00/developer-guid e/requirements/

- GitHub Repo: https://github.com/geosolutions-it/MapStore2
- Youtube Videos: https://www.youtube.com/playlist?list=PLe2yzutVrnZ5tjYGYYcKmZzo_M9ku5I9X



Mailing Lists: <u>https://groups.google.com/g/mapstore-users</u> <u>https://groups.google.com/g/mapstore-developers</u>



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That's all folks!





Questions? *info@geosolutionsgroup.com*