



RELEASE NOTES

These release notes highlight some general information about ArcGIS StreetMap Premium North America 2021 Release 4 as well as the changes between 2021 Release 4 and 2021 Release 3. **See the Classic Locator Deprecation Notice at the end of this document.**

1) System Requirements:

StreetMap Premium Component	Software
FGDB dataset for mapping and routing, and locators for geocoding	ArcGIS Desktop or ArcGIS Enterprise 10.7.1 or later; ArcGIS Pro 2.7.4 or later
Mobile map packages	ArcGIS Pro 2.7.4 or later

See <https://links.esri.com/streetmap-premium/2021/sys-reqs>

Note: The classic locators are deprecated. (See the [classic locator deprecation notice](#).) The new locators are built like the ones used for the ArcGIS Online World Geocoding Service. When using these new locators, it is always highly recommended that you run the most recent releases of ArcGIS Pro and/or ArcGIS Enterprise.

2) Patches (strongly recommended):

- **10.7.1 ArcGIS (Desktop, Server) .sdlic Rollover Licensing Patch** for addressing crashing issues when accessing the detailed street feature classes (Routing_Streets, Streets, and Streetscarto) and the network dataset. **Install this patch before updating to ArcGIS StreetMap Premium North America 2021 Release 3.**
See <https://links.esri.com/streetmap-premium/2021/current-patches>
- **10.7.1 Portal for ArcGIS Security 2020 Update 2 Patch** for addressing multiple security vulnerabilities found in Portal for ArcGIS.
See <https://links.esri.com/streetmap-premium/2021/current-patches>
- **10.7.1 ArcGIS Server Security 2020 Update 1 Patch** for addressing a security vulnerability found in ArcGIS Server.
See <https://links.esri.com/streetmap-premium/2021/current-patches>
- **10.8.1 ArcGIS (Desktop, Server) .sdlic Rollover Licensing Patch** for addressing crashing issues when accessing the detailed street feature classes (Routing_Streets, Streets, and Streetscarto) and the network dataset. **Install this patch before updating to ArcGIS StreetMap Premium North America 2021 Release 3.**
See <https://links.esri.com/streetmap-premium/2021/current-patches>
- **10.8.1 Portal for ArcGIS Enterprise Sites Patch 3** for addressing issues with secured services in ArcGIS Enterprise Sites and downloading hosted feature services anonymously. This patch is inclusive of Portal for ArcGIS 10.8.1 Enterprise Sites Patch 1 and 2.
See <https://links.esri.com/streetmap-premium/2021/current-patches>



- **10.8.1 and 10.9 ArcGIS Server Orphaned Processes Patch** for addressing an issue with Windows operating systems that leaves processes orphaned during shutdown or other system operations.
See <https://links.esri.com/streetmap-premium/2021/current-patches>
- **10.8 Portal for ArcGIS Enterprise Sites Patch 1** for addressing issues with secured services in ArcGIS Enterprise Sites and downloading hosted feature services anonymously.
See <https://links.esri.com/streetmap-premium/2021/current-patches>
- **ArcGIS (Desktop, Engine, Server) General Raster Security Patch** for addressing a security vulnerability found in ArcGIS.
See <https://links.esri.com/streetmap-premium/2021/current-patches>
- **ArcGIS Server Security 2021 Update 1 Patch** for addressing multiple security vulnerabilities found in ArcGIS Server.
See <https://links.esri.com/streetmap-premium/2021/current-patches>
- **Portal for ArcGIS Security 2021 Update 1 Patch** for addressing multiple security vulnerabilities found in Portal for ArcGIS.
See <https://links.esri.com/streetmap-premium/2021/current-patches>
- **ArcGIS Server Security 2021 Update 2 Patch** for addressing multiple security vulnerabilities found in ArcGIS Server.
See <https://links.esri.com/streetmap-premium/2021/current-patches>

3) My Esri Download or Media Contents:

- a. **NA_2021R4_Documentation.7z** - Documentation folder (contains Help.htm) QuickStartGuide and Release Notes files
- b. **NA_2021R4_FGDB.7z.[001...00n]** - MXD and StreetMap_Data folders
- c. **NA_2021R4_NewLocators.7z** - NewLocators folder
- d. **Mobile Map Packages** - .mmpk format downloadable from My Esri (ArcGIS Enterprise Portal and ArcGIS Runtime users) or ArcGIS Online

Refer to the QuickStartGuide.pdf for more information.

4) Data Size:

<u>2021R4:</u>	49.0GB;	<u>2021R3:</u>	48.6GB
a. FGDB dataset	25.7GB;		25.3GB
b. New Locators	23.3GB;		23.3GB



5) Dataset Changes:

FGDB

- i. Dataset based on HERE 2021 Q3 vintage
- ii. Map Document (MXD) is provided in ArcGIS 10.7.1 version only for use with 10.7.1 or later versions.
- iii. The .sdlic license file and naming convention has changed to a rollover licensing model. With this release, a new .sdlic file is not needed for each future release of StreetMap Premium. The same .sdlic file can be used for multiple releases until the subscription expiration date noted at the end of the .sdlic license file name. **The rollover .sdlic license file is not backwards compatible. To use versions of StreetMap Premium file geodatabases prior to ArcGIS StreetMap Premium North America 2021 Release 2, it is necessary to use the older version of the license file specific to that release.** The .sdlic license file naming convention previously followed this pattern:

<CustomerID><Product><Region><Year.Release><Geography><Functions>
<Expiration>, '11-smp-na-**2021.1**-can_usa-all-12_31_21.sdlic', for example, and is now:

<CustomerID><Product><Region><Rollover><Geography><Functions>
<Expiration>, '11-smp-na-**rollover**-can_usa-all-12_31_21.sdlic', for example.

The word 'rollover' replaces the 'year.release' component of the license file name. In addition to all of the StreetMap Premium documentation and My Esri downloads that identify the year and release of the file geodatabase, the NorthAmerica.gdb description/metadata properties have been updated to identify the year and release number. To view the year and release number, right-click the NorthAmerica.gdb in ArcGIS Pro > Catalog > View Metadata, or ArcMap > Catalog > Item Description, or select the NorthAmerica.gdb in ArcCatalog > Description tab.

Point Feature Classes

- iv. No changes

Line Feature Classes

- v. No changes

Polygon Feature Classes

- vi. No changes



Tables

- vii. No changes

Refer to the Data Dictionary section in the Help.htm for more information.

6) Locator Changes:

- a. The default Minimum Match Score (MMS) changes from 60 to 75 and the default Minimum Candidate Score (MCS) changes from 60 to 70 for all locators to eliminate more false positive matches, especially for point address and street address matches. This is consistent with the same change made in the April 2021 Release of the ArcGIS Online World Geocoding Service. Note that some valid postal and locality matches may be missed with these higher MMS and MCS, although users may change the scores back to 60 in the [locator properties](#), if desired. A fix to address this issue of lost postal and locality matches is available with the ArcGIS Pro 2.8 release (released in May 2021), the ArcGIS Enterprise/Server 10.9.1 release (scheduled to release in Q4 2021), and in the June 2021 Release of the ArcGIS Online World Geocoding Service.
- b. New authoritative address data sources for New York City, New York and State of Arkansas.
- c. Additional source data updates for USA provided by the GIS user community through the Community Addresses program.

Refer to the Geocoding addresses section ‘About the new address locators for geocoding’ in the Help.htm or <https://links.esri.com/streetmap-premium/new-locators> for more information.

7) Routing/Network Dataset Changes:

DrivingSide (DRIVING_SIDE) descriptor attribute added to network attributes and will replace LeftDrivingSide descriptor attribute that will be deprecated in a future release.



Refer to the Routing section 'About the routing services' in the Help.htm for more information.

8) Deprecations:

Classic Locators Deprecation Notice

Starting the first quarter of 2021, the classic locators will be phased out and will no longer be included as part of ArcGIS StreetMap Premium. This will impact you if you use ArcMap, older versions of ArcGIS Enterprise, or have a custom workflow dependent on these locators. While Esri will continue to include the classic locators in the product until 2021, only the underlying data will be updated, and there will be no further enhancements to the locators. **Classic locators are not supported in ArcGIS Enterprise 10.9.**

The following releases will be the last release of the classic locators in ArcGIS StreetMap Premium.

Region	Final Release Version	Final Release Date
Middle East and Africa	2020 R1	Q1 2021
North America	2021 R1	Q2 2021
Europe	2021 R1	Q2 2021
Asia Pacific	2021 R1	Q3 2021
Latin America	2021 R1	Q3 2021
Japan	2020 R1	Q1 2021