GO! NC

Location of Metadata in Services Published Using ArcMap

Metadata and Publishing

Service and data metadata are important for communicating the proper use of your service. As a publisher, your job is to ensure that metadata is clear and complete.

Users will see different service metadata depending on how they use your service. You maintain your service metadata in three locations to ensure your metadata is complete no matter how it is accessed.

1. ArcMap Project Used for Publishing – Users do not actually see your ArcMap project, but the metadata you create and store with your ArcMap project is uploaded to the service. Some metadata cannot be changed after it is uploaded so it is important that the metadata is clear and complete before you publish.

2. ArcGIS Online (AGOL) – Though metadata is uploaded through your ArcMap project during publishing to AGOL, AGOL provides a better environment for creating and viewing your metadata. For example, AGOL provides more space, text formatting options, links, images, etc. It is highly recommended that you improve your metadata directly in AGOL after publishing. Remember, ArcGIS Online is where your service will be introduced to a user.

3. REST End Point – Every service provides metadata associated with its REST end point. The REST end point metadata is the only metadata available to users when using certain clients or when locating your service through Esri format REST catalogs. This metadata comes from your ArcMap project. Though there are no formatting options, the metadata available through the REST point should be as clear and complete as provided through AGOL.

   Examples of Esri format REST catalogs:

   NCDOT Internal Server: https://gis11.services.ncdot.gov/arcgis/rest/services
   GO! NC (AGOL): http://services.arcgis.com/NuWFvHYDMVmmxMeM/arcgis/rest/services

The remainder of this document provides a cross reference between the metadata in your ArcMap project and the published service.

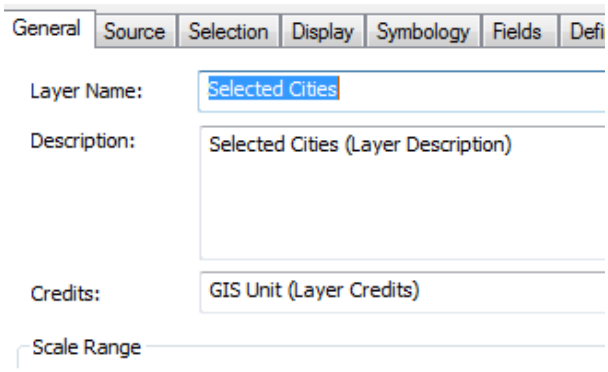
Metadata Content Stored with the ArcMap Project (.MXD)

Basic metadata should be stored with the .MXD whenever possible. However, AGOL provides more robust metadata formatting capabilities for some metadata components, so it is recommended that final AGOL metadata be stored in a separate document for easy copy-paste after publishing.

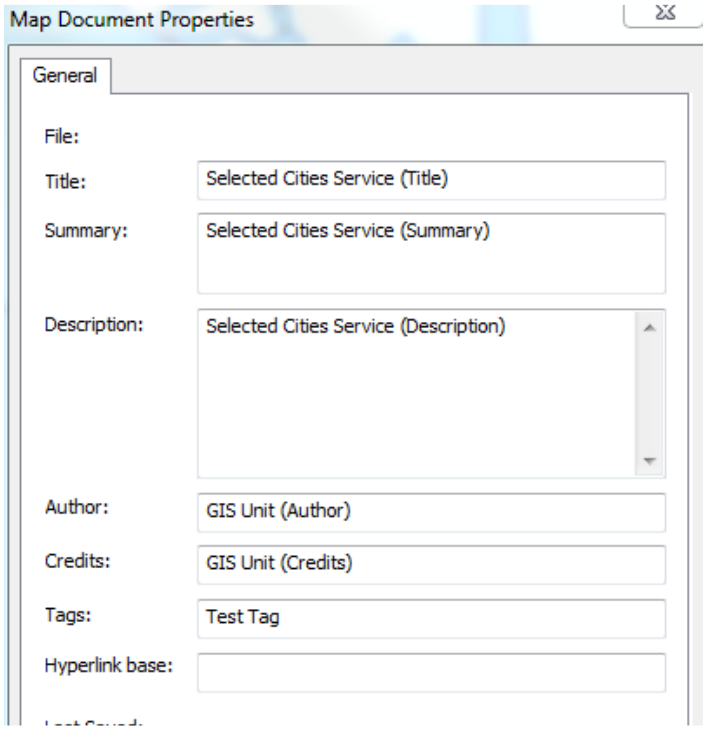
Note that some published metadata content cannot be changed after publishing.

There are two locations within an .MXD where metadata content is stored and used in publishing.

1) Individual Layers: .MXD Layer "General" Properties



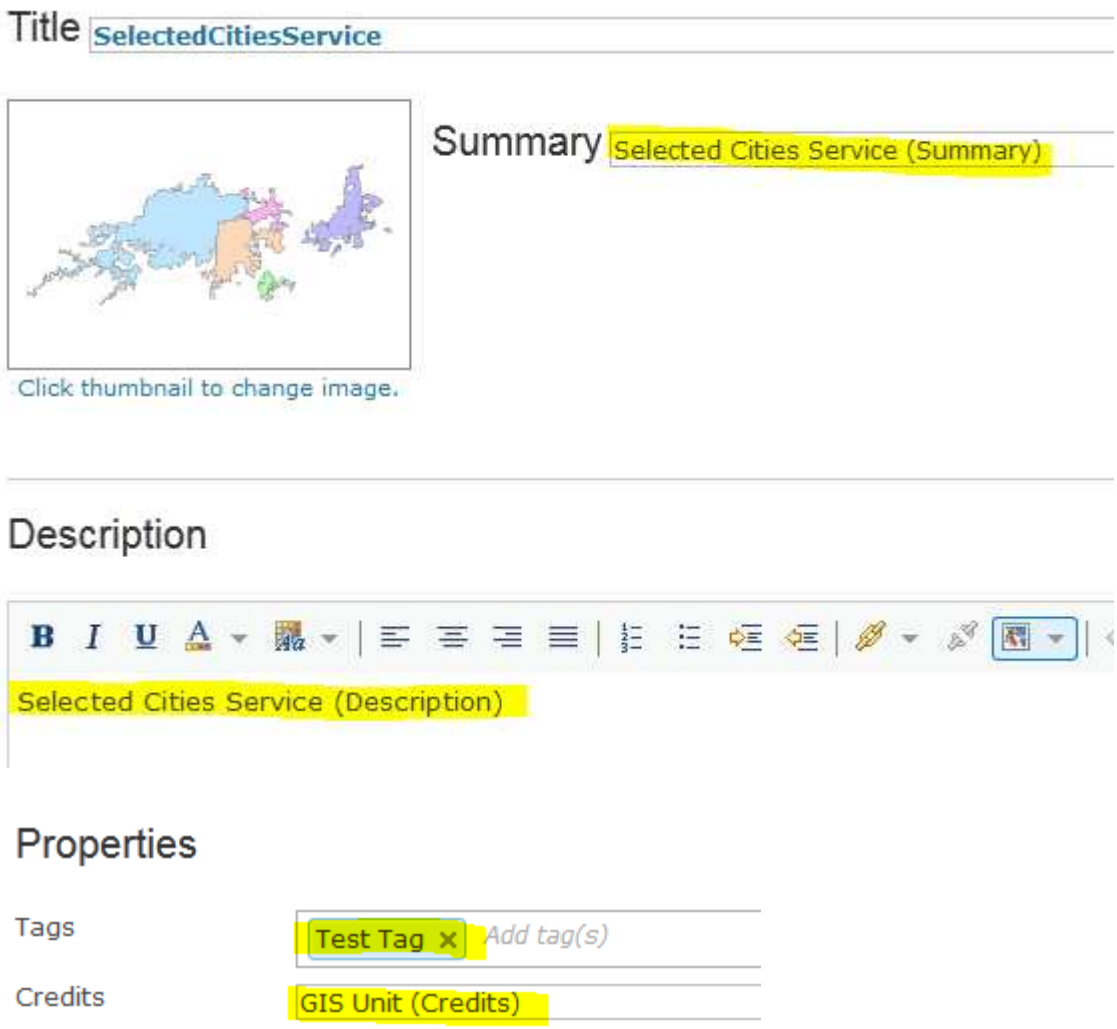
2) MXD Map Document Properties



Where Metadata from an .MXD is Published

ArcGIS Online (AGOL)

The highlighted content indicates the location of metadata in AGOL after publishing from the ArcMap project. After the service is published, you will want to copy your formatted metadata to AGOL.



Note: When publishing through ArcMap, the "Access and Use Constraints" field is always empty and the content is not stored anywhere. This needs to be completed at each publishing following the minimum standard.

Layer REST Point

The highlighted content indicates the location of metadata in the Layer's REST end point after publishing from the ArcMap project.

Layer: Selected Cities (ID:0)

View In: ArcGIS.com Map

Name: Selected Cities

Display Field: MNCPL_BNDR

Type: Feature Layer

Geometry Type: esriGeometryPolygon

Description: Selected Cities (Layer Description)

Copyright Text: GIS Unit (Layer Credits)

Service REST Point

The highlighted content indicates the location of metadata in the Layer's REST end point after publishing from the ArcMap project.

SelectedCitiesService (FeatureServer)

View In: ArcGIS.com Map

Service Description: Selected Cities Service (Summary)

Has Versioned Data: false

Max Record Count: 1000

Supported query Formats: JSON

All Layers and Tables

Layers:

- Selected Cities (0)

Description: Selected Cities Service (Description)

Copyright Text: GIS Unit (Credits)

Spatial Reference: 102719