

How to Import an ESRI Map Layer And Geospatial Data

Montana Data Portal

Importing an ESRI Map Layer

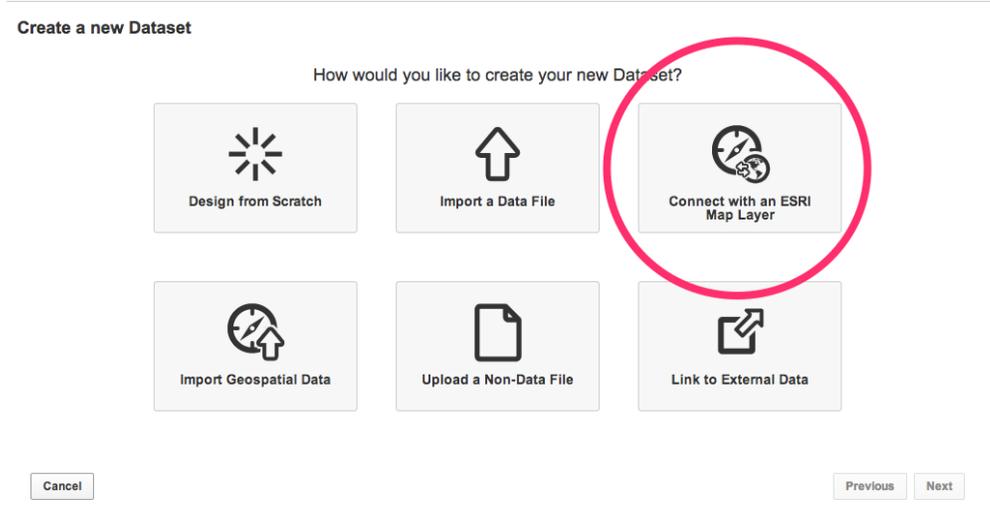
Log into your Montana Data Portal account on the Socrata Platform

Once logged in, the default profile page will display

The screenshot shows the user profile page for 'test account'. At the top, there is a header with the user's name and a link to 'Edit Account Settings'. Below this is a 'Basic Info' section with the text 'No description provided' and an 'Edit' button. The main content area is titled 'test account's Datasets' and includes filters for 'Owned By Me' and 'Shared To Me', along with a 'Create a new Dataset' button. A search bar is present, and the results section shows 'No Results' with buttons for 'Create a new Dataset' and 'Suggest a Dataset'. On the left, there are 'View Types' (Datasets, Unpublished Datasets, Charts, Maps, Calendars, Filtered Views, External Datasets, Files and Documents, Forms, APIs) and 'Categories' (Business, Common Data Elements, Drivers, Education and Training, Employment). On the right, there is a profile picture placeholder with an 'Edit Image' button, and sections for 'Followers (0)' and 'Following (0)'.

Create a new Dataset

Select the 'Create a new Dataset' button which will take you to a page where you can choose the method of importing data. Select the 'Connect with an ESRI Map Layer' option:



Next add in the ESRI Map Layer, which acts as a reference pointing to the map hosted on your server.

Input an ESRI Map Layer URL. Select the next button.

This is the only mandatory field required. You can choose to upload an attachment, which can be a document with a legend explaining the different components and customization we may include in your map.

Create a new Dataset

Please describe your data.

* ESRI Map Layer URL

Attachments

To upload attachments, first finish publishing this dataset. Then, click **About** in the toolbar, and click Edit Metadata. You will then be able to upload attachments.

Privacy & Security

Privacy Settings

- My data is public: it can only be modified by me, but everyone can view it
- My data is private

Contact Email

This address will not be displayed publicly. If left blank, it will default to your address

Cancel

Previous

Next

Select the finish button.

Create a new Dataset

Your Dataset has been created.

Click on Finish to see it!

Cancel

Previous

Finish

Select the Publish Dataset button.



[Working Copy]

Publish Dataset

ESRI Extensions Features

- ESRI Extensions allows maps to have customized point, line and boundary color. This cannot be currently done with geospatial files. When linked to the platform, the ESRI extended maps cannot be edited on the Socrata side. This includes flyout information as well.
- If your map contains multiple layers, our platform divides these layers into individual datasets/maps - you will need to add the layers to the maps to combine into one map.
- Note: if the url for the map changes then the map will no longer work.

Importing Geospatial Files

Requirements for the geospatial file

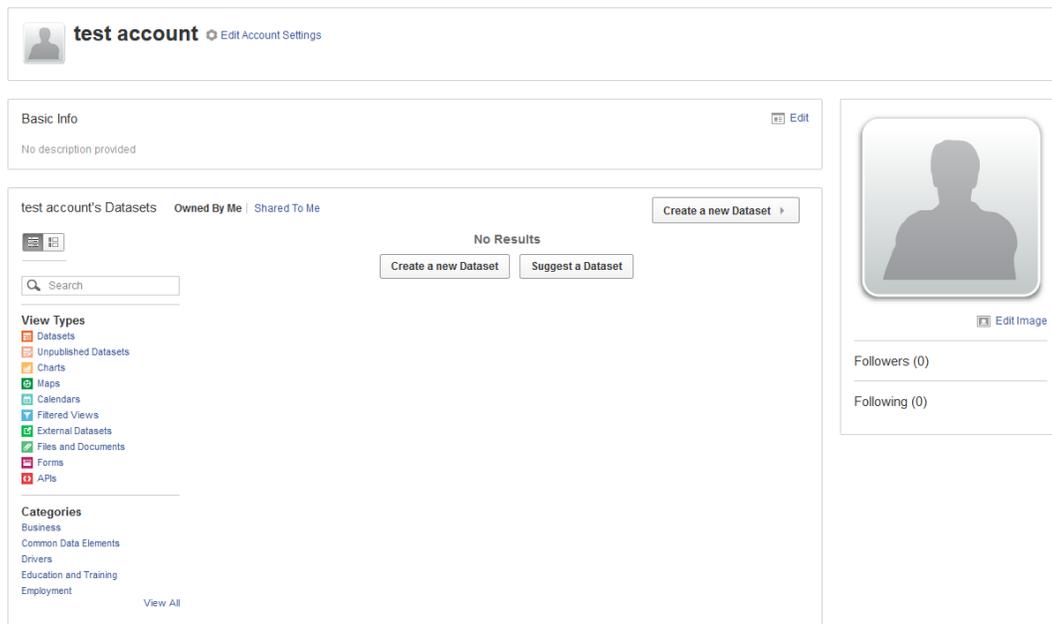
- Make sure your file is one of the following supported upload formats: .kml, .kmz, or .zip (ESRI shapefile).
- If an ESRI shapefile, the .zip should have these files - .shp (can have multiple), .dbf (can have multiple), .lyr, .prj

Please note: If you want to have multiple layers on your map, you will need to zip all the layers into one zip file BEFORE you upload. For example, I have one layer for highway routes and one layer for railway lines for the state of Montana and I want to view them on the same map. I will highlight all the zip files, right click and select “Compress # Items.” This will create a zip file, which I will rename “MontanaTransportLines.zip,” and this will be the file that I upload.

Getting Started

Log into your Montana Data Portal account on the Socrata Platform, and make sure that you have the appropriate permissions to upload data (Administrator, Publisher, or Editor)

Once logged in, the default profile page will display

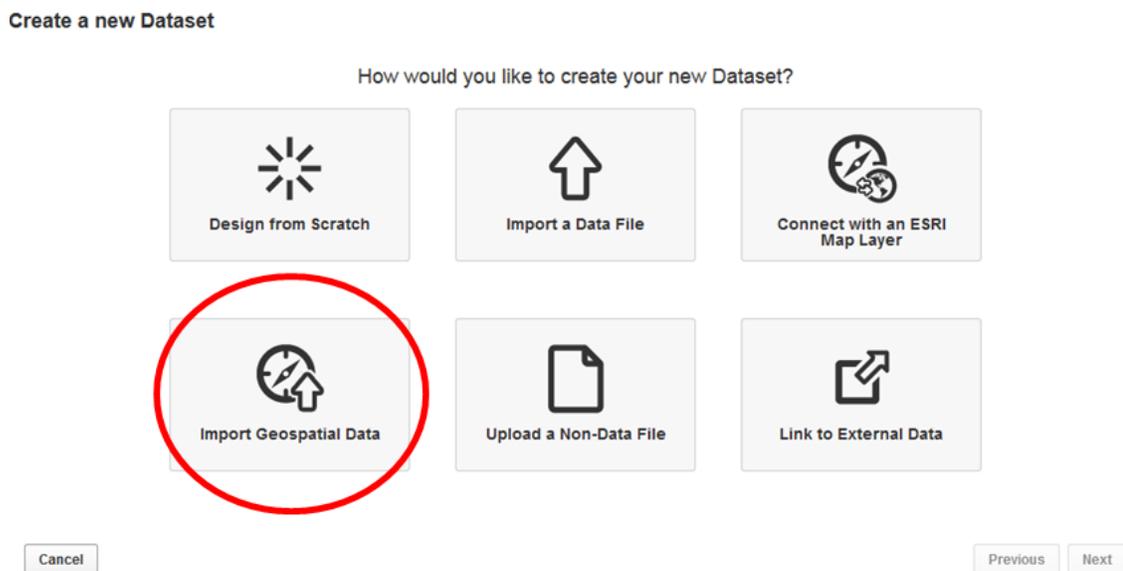


The Import Process

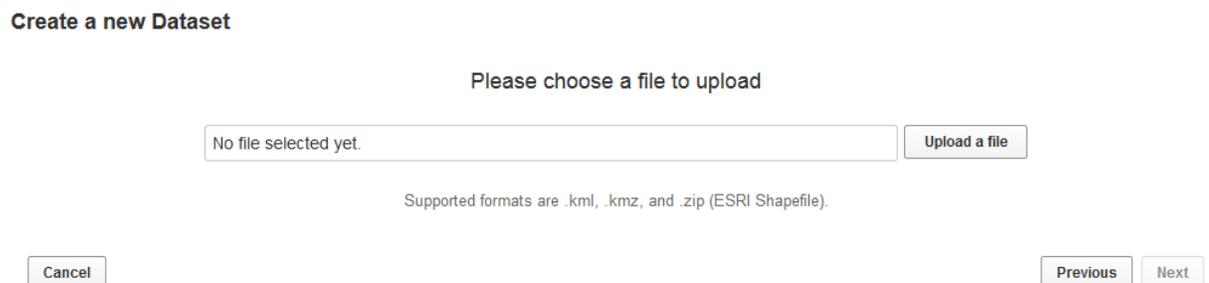
Click “Create a new Dataset”

Select “Import Geospatial Data”

Select the 'Create a new Dataset' button  which will take you to a page where you can choose the method of importing data. Select the 'Import Geospatial Data' option:



Click “Upload a file” and select the geospatial file in your computer. Select the next button.



You will see the screen “Specify how ‘FileName.FileType’ should be imported” with the layers in the file. Rename the layers if necessary. Select Next

Create a new Dataset

Specify how "State .zip" should be imported.
This shapefile contains 1 features in 1 layers.

Layers to import

Name	Coordinate Reference System
State	EPSG:

Buttons: Cancel, Previous, Next

Enter in the metadata (data about the dataset) on the “Please describe ‘FileName’” screen. Select “Next.”

Select the finish button.

Create a new Dataset

Your Dataset has been created.
Click on Finish to see it!

Buttons: Cancel, Previous, Finish

You will be directed to a map with the layers you just imported. Select the Publish Dataset button.

[Working Copy]

Publish Dataset

If you have uploaded more than one layer, in the upper right-hand corner you will see the different layers with checkboxes and sliders. From here you can select to view or not view each layer through the check box, or control the opacity of each layer through the slider bar. You can also change the map type from Google maps to Bing or ESRI in the upper right hand corner of the map.