CONNECTING TO FUZIONVIEW

Smart. Simple. Secure.

GET STARTED

Required Info:

Once you have a registered login on the FuzionView service, you can begin to connect your corporate spatial web service to FuzionView for data sharing. You will need to collect a couple of pieces of information, detailed below.

ITEMS: SERVER TYPE & AUTHENTICATION

FuzionView currently supports two types:

- ESRI JSON Service (ESRIJSON)
- OGC WFS Service (WFS)

If required: Is your online spatial data service configured with an authentication scheme, such as:

- HTTP Authorization: Basic
- HTTP Authorization: Bearer
- ESRI Portal Token
- OAuth 2.0 Client Credentials Grant

You will need to have the proper access codes for your type of server

STEP 1: SERVICE CONNECTION

Create a Data Provider Service

Up to five inputs will be needed to establish a Service connection, depending on the type of authentication used above, if any. Unsecured connections are also supported.

FORM ELEMENT	AUTHENTICATION TYPE
Name	Basic, Bearer, Token
Authentication Theme Type	Basic, Bearer, Token
Endpoint URL	Token, OAuth
Token	Bearer
Username	Basic, Token
Password	Basic, Token
Client ID	OAuth
Client Secret	OAuth

The FuzionView Data Providers Administrative interface includes online forms for entering the information described above, including tools to test the Service connection authentication before adding Feature Datasets to the FuzionView service. Additional tools exist for spatially limiting request to your server by allowing you to define on a map a bounding polygon that encompasses your underground infrastructure service area.

STEP 2: FEATURE LAYER

Create a connection to a Spatial Feature Layer (your Service):

There is no limit to the number of layers shared with FuzionView, but be aware that each layer shared will initiate a separate server query for each active dig ticket within your underground infrastructure service area. More layers equal more individual server requests to your server.

Adding a new dataset for sharing is facilitated by an online form. A simple example would look like:

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STEP 2: FEATURE LAYER

Name: Survey Monuments
Source Dataset URL:
ESRIJSON:https://services1.arcgis.com/9meaaHE3uiba/arcgis/rest/services/Monuments/FeatureServer/0/query?f=json&where=1%3D1&outFields=*&resultRecordCount=1000&orderByFields=OBJECTID&
Service Authentication Configuration: None
Source SQL:

```
SELECT
  -- Remote Schema  ->   FuzionView Schema
  "geometry"           as geom,
  "COGO"              as provider_fid,
  'survey'           as feature_class,
  'active'           as status,
  null               as size,
  null               as depth,
  null               as accuracy_class,
  null               as description
FROM
  ESRIJSON
;
```

Source Spatial Reference System: ESRI:103768
Cache whole dataset?: No
Enabled?: Yes

The SQL block above is used to map the data from your server (remote) to the FuzionView server. The SQL can be used to add other information like unit designation for feet or meters as well as other descriptive text for sharing of the feature data.

FINAL STEP: ENABLE DATA ACCESS

Once a dataset has been connected and tested with the FuzionView engine, it can then be enabled. This prompts the FuzionView server to start querying your data service for each new underground dig ticket going through the system.

The data will be retrieved for individual features within each dig ticket bounding polygon, plus a 100-foot buffer. The data will be expunged from the FuzionView server on the end date of the dig ticket.

No feature data is stored on the server unless the **cache whole dataset** option is selected in the layer configuration. In that case, the FuzionView server periodically queries your server for any new data that became available since its last query.

Ready to revolutionize your utility operations?

Contact us today to learn more about FuzionView.

Online at: FuzionView.org

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