



Overview

This document provides these basic instructions:

- How to connect to the database.
- How to create MXD's files that utilize the FirstMap repository.
- How to published the MXD's as services.
- How to connect to the services hosted on the FirstMap system.

Database Connection Instructions

To connect to the database to add and manage data:

1. Make sure the **Oracle 32-bit client (Oracle 12C)** is installed on the workstation (if not, contact DTI for software).
2. Update the **tnsnames.ora** or **ldap.ora** file on the workstation with the entries provided by DTI.
3. Save the **.sde** connection files provided by DTI to **C:\Users\xxx\AppData\Roaming\ESRI\Desktop10.4\ArcCatalog** where 'xxx' is the name of the user.
4. Open ArcCatalog and view **Database Connections**. You should have connections to EGISPRIVP using AGENCY_OWNER and EGIS_VIEWER accounts.
5. Double-click on either of the **EGISPRIVP** database connections to connect to the database.
6. Add data to the database using the **AGENCY_OWNER** account.

Map File (MXD) Instructions

To configure a service that uses data in the central database.

1. Create a new **.mxd** in **ArcMap**.
2. Open the database connection to the **EGISPRIVP** using the **EGIS_VIEWER** account.
3. Add the desired feature classes to the map and configure the symbology.
4. Save the **.mxd** and send to DTI.
5. Alternatively, follow the instructions provided by DTI to create a **Service Definition (.sde) file** from the **.mxd**. Send the **.mxd** and **.sde** files to DTI at DTI_GIS@state.de.us .
6. DTI will publish the service in the appropriate environment based on your specifications and provide the URL for the service.



Map Services Instructions

To connect to the map and feature services in ArcMap:

1. From ArcMap or ArcCatalog, select '**Add ArcGIS Server**'.
2. Select '**Use GIS services**'.
3. Enter one of the following for the Server URL:
 - a. Private (In-State Only): <https://firstmap.dti.state.de.us/arcgis>
 - b. Public (External/Internet): <https://firstmap.gis.delaware.gov/arcgis>
4. Open the connection and begin using services.

To utilize the map and feature services through a browser or in an application, utilize one of the following URL's:

1. Private (In-State Only): <https://firstmap.dti.state.de.us/arcgis/rest/services>
2. Public (External/Internet): <https://firstmap.gis.delaware.gov/arcgis/rest/services>
3. The Geometry Service can be found in the Utilities folder on each server.

Quick Reference

Connect to Private Database

- Database name: EGISPRIVP
- User credentials will be provided by DTI in the form of AGENCY_OWNER and EGIS_VIEWER.
- Editing is allowed on the EGISPRIVP database.

Create Map File

- From ArcMap, connect to the EGISPRIVP database using the EGIS_VIEWER account.
- Add data to the map and configure symbology.
- Save the .MXD and send to DTI.
- DTI will publish the service using information you provide.

Use Services

- From ArcCatalog, create an ArcGIS Server connection to:
 - Private:
<https://firstmap.dti.state.de.us/arcgis>
 - Public:
<https://firstmap.gis.delaware.gov/arcgis>
- Private services are available only to users on the state network.