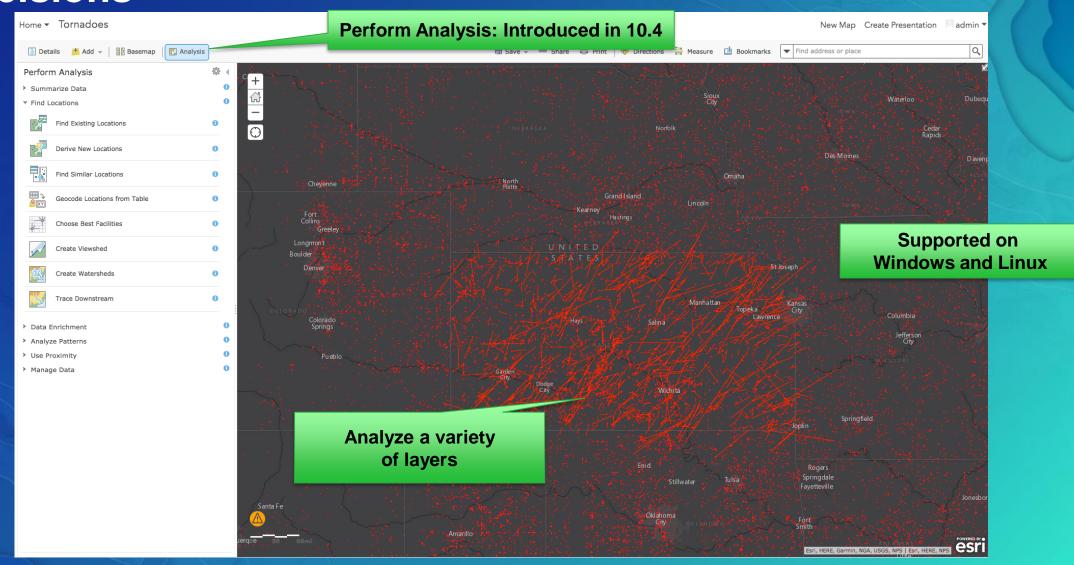


Agenda

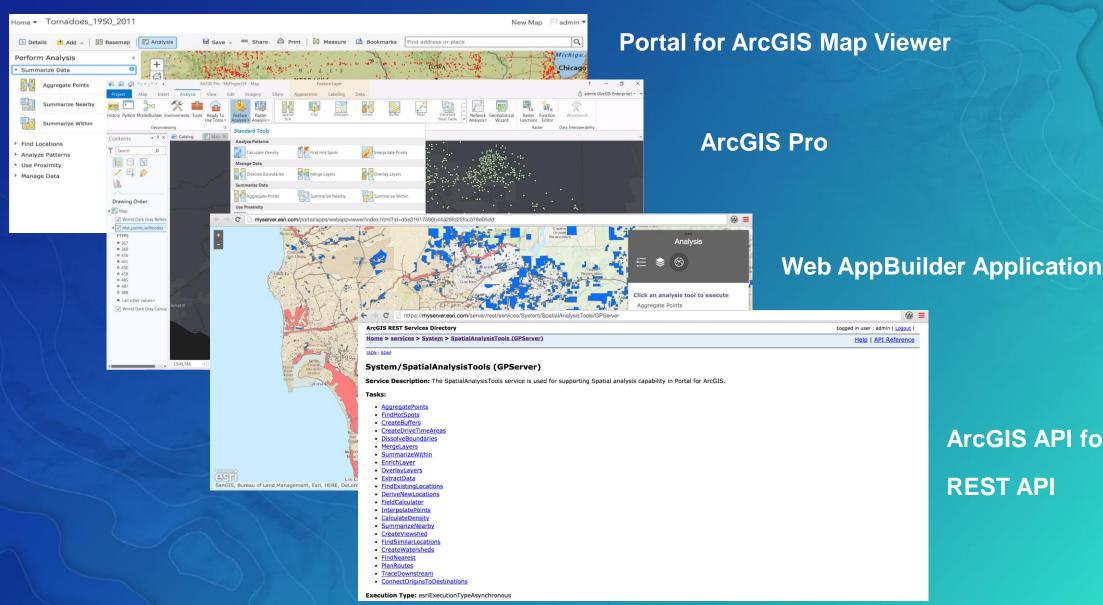
- Introduction
- Demo Perform Analysis
- Setup and Administration
- Demo Administration



Spatial Analysis: Find Patterns, Assess Trends and Make Decisions

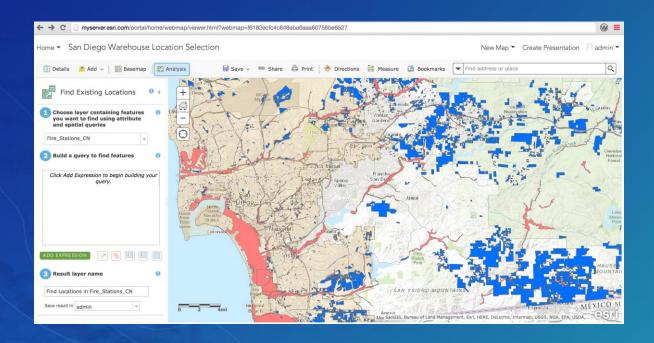


Spatial Analysis: Performing Analysis



ArcGIS API for Python REST API

Spatial Analysis: Demo





Components Required to Support Standard Spatial Analysis



Portal for ArcGIS



ArcGIS Webadaptor

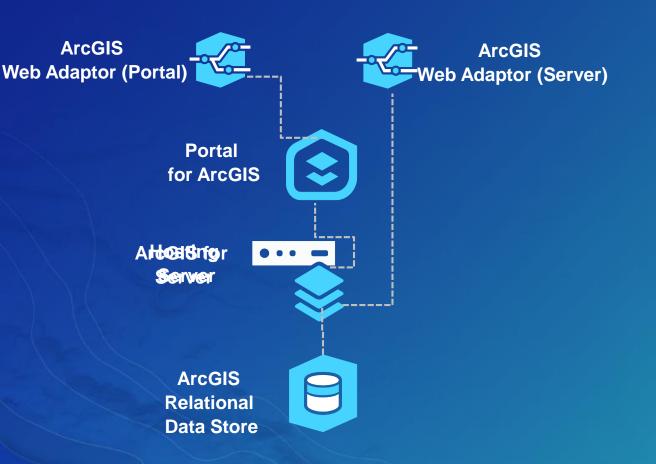


ArcGIS for Server



ArcGIS Data Store (relational)

Step 1: Set up a Base Enterprise Deployment



Base ArcGIS Enterprise

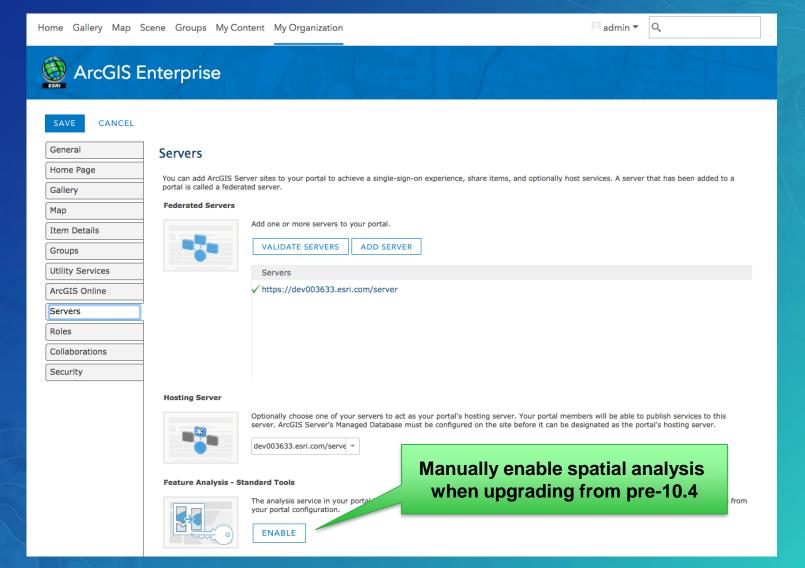
- Install Portal for ArcGIS
- 2. Install ArcGIS Server (license as Std or Adv GIS Server)
- 3. Install ArcGIS Data store
- 4. Install and configure web adaptors for Server and Portal
- Register Relational ArcGIS Data store with Server
- Federate Server with Portal and configure as Hosting Server

Use ArcGIS Enterprise Builder

* Spatial Analysis not supported if Portal is configured with a Hosting Server that uses an Enterprise GDB

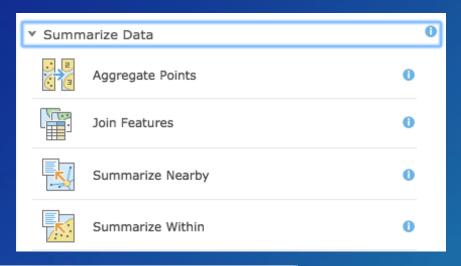
Step 2: Manually Enable Spatial Analysis (only for upgrade from

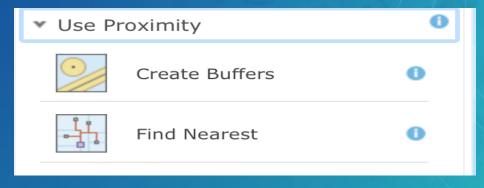
pre 10.4)



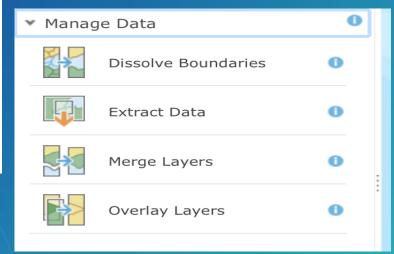
Spatial Analysis: 17 Tools available out of the box

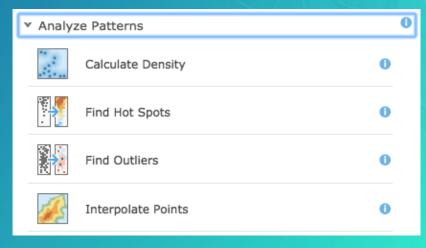
Tools that do not depend upon helper/utility services









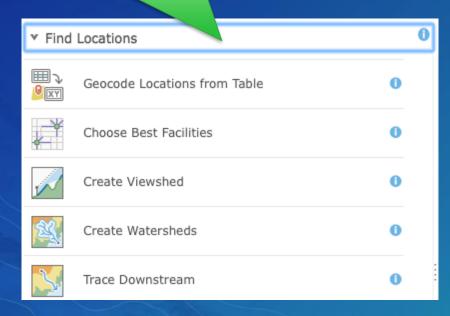


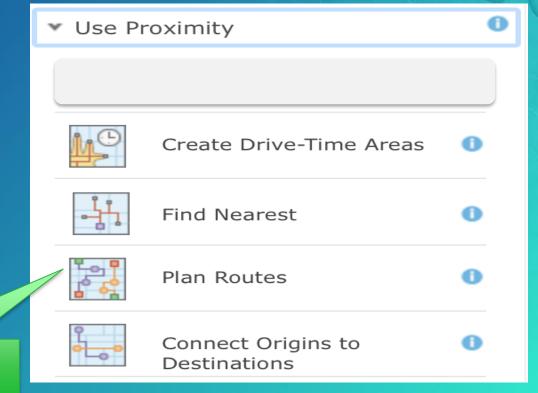
Additional 10 Tools – available after configuring utility services <u>Utility service = Helper service that power specific analysis tools</u>

Powered by Elevation/Hydrology/Geocode and Network Utility Services



Powered by Geoenrichment Utility Service





Powered by Network Utility Services

Step 3: Choice of Utility Services

- Choice 1: Utility Services from ArcGIS Online
- Choice 2: Utility services from your own server
- Choice 3: Utility services from ArcGIS Online + your own server.

Choice 1: Utility services from ArcGIS Online







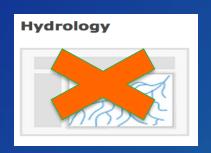




- Suitable for connected Portals (internet connection available)
- Requires ArcGIS Online Organization Credentials
- Consumes ArcGIS Online Credits when related tools are used.

Choice 2: Utility Services from your own server









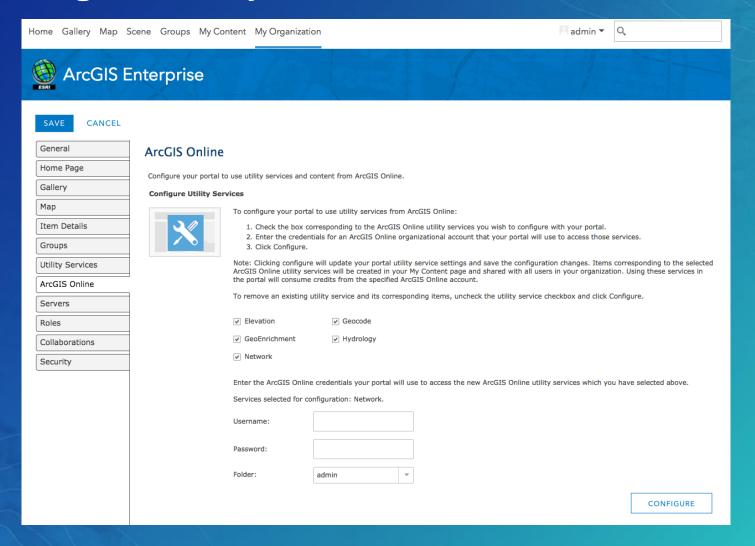


For disconnected portals

Elevation Service: https://github.com/Esri/elevation-gp-python

- Directions & Routing: https://github.com/Esri/network-analysis-services/wiki
 http://doc.arcgis.com/en/business-analyst/server/configuring-a-geoenrichment- service.htm
- Recently support added for multiple data sources.
- GeoEnrichment
 - 10.5/10.5.1 US Data included with Business Analyst Server. Outside US supported via Professional Service engagement

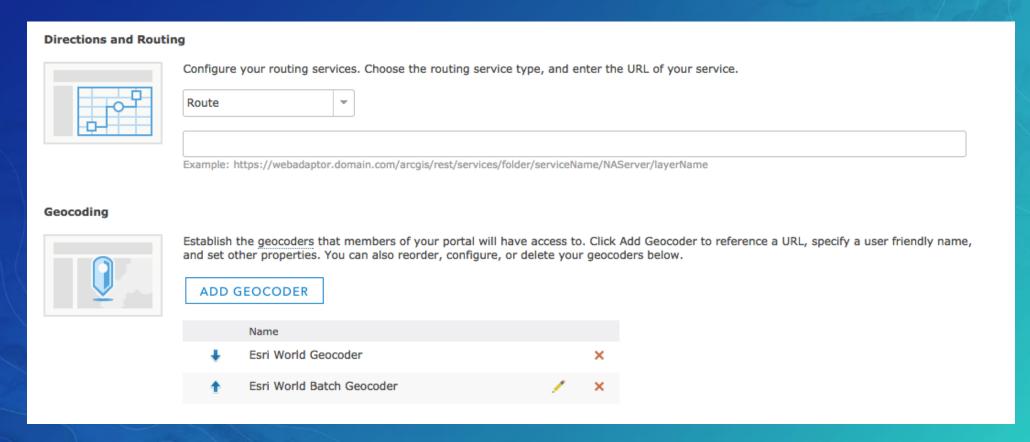
Step 4: Configure Utility services from ArcGIS Online



Simple workflow to configure utility services from ArcGIS Online.

Step 5: Configure Utility Services from your own server

Configure in Portal -> My Organization -> Utility services

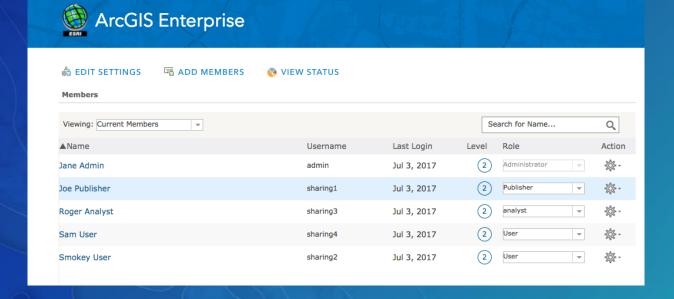


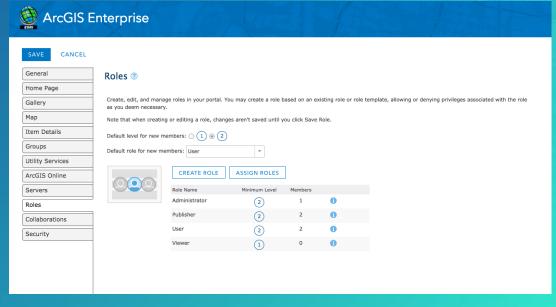
Step 6: Grant Member Privilege for Performing Analysis



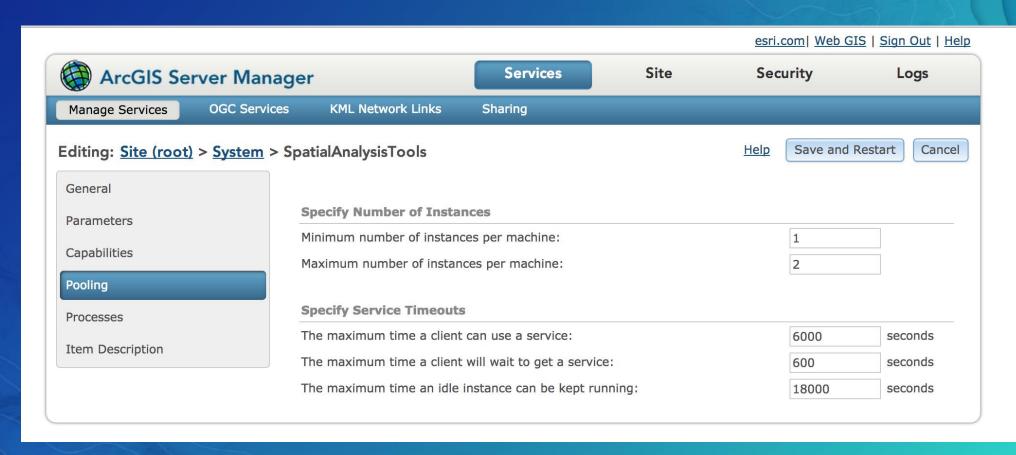




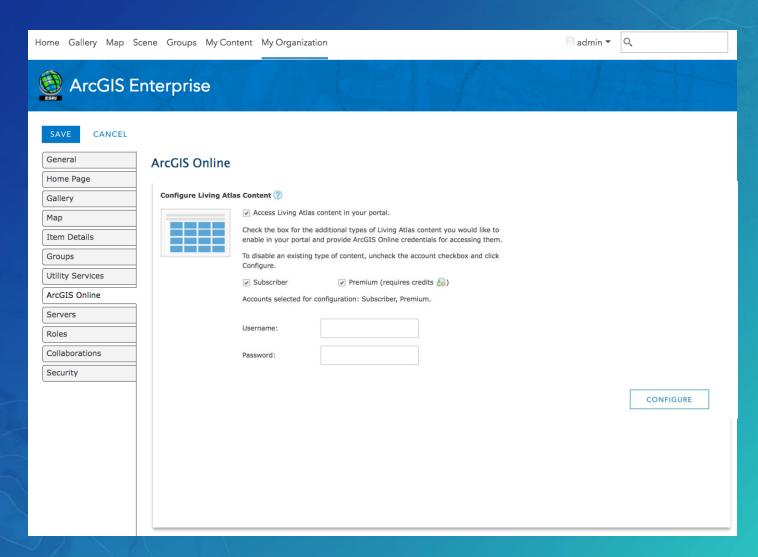




Step 7: (Optional) Increase Min/Max instance of Spatial Analysis Tools GP Service



Step 8: (Optional) Configure Living Atlas Content from ArcGIS Online



Performing Analysis – Input/Output Considerations

- Input: Feature layers, CSV, SHP, Map Notes, Route, GeoRSS and KML
 - If Input is a Hosted Feature No limit on number of features
 - If Input is an external feature layer 100,000 Features limit.
 - Supports spatial, attribute and time filter.
- Output: Hosted Feature Service
 - Result data stored in ArcGIS Data Store
 - Server is scalable to support 1000's of feature services.

Documentation

Administrator Help

- What's new in Portal for ArcGIS
- Configure the Portal to Perform Analysis
- About Utility Services
- Configuring Utility services

User Help

- What's new in Portal for ArcGIS 10.5 and 10.5.1
- Perform Analysis

Thank you! Please submit your feedback survey