



INTEGRATING PREDICTIVE SERVICES ARCGIS SERVER CORE DATA LAYER MAPPING SERVICES INTO ARCGIS EXPLORER



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ArcGIS Explorer 500



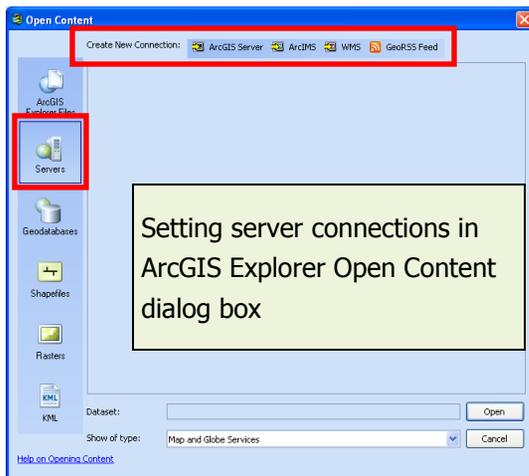
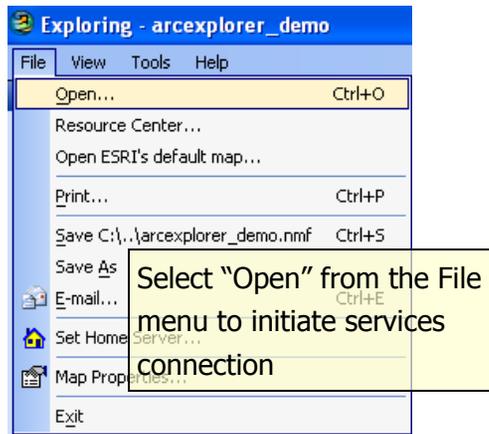
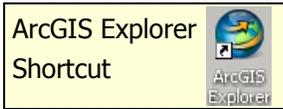
Introduction

In addition to dynamic integration into ArcMap, ArcGIS Server mapping services can also be integrated into the ArcGIS Explorer. ArcGIS Explorer is freely available virtual globe environment that facilitates 3D visualization of a variety of geospatial data. In addition to ArcGIS Server data services, ArcGIS Explorer can also ingest Google Earth KMLs, ESRI shapefiles and geodatabases, and georeferenced raster imagery. This document demonstrates how Predictive Services ArcGIS Server Core Data Layer Mapping Services can be added and incorporated into the ArcGIS Explorer.

This tutorial requires ArcGIS Explorer to already be installed on the user's computer and access to the Forest Service intranet.

Prerequisites

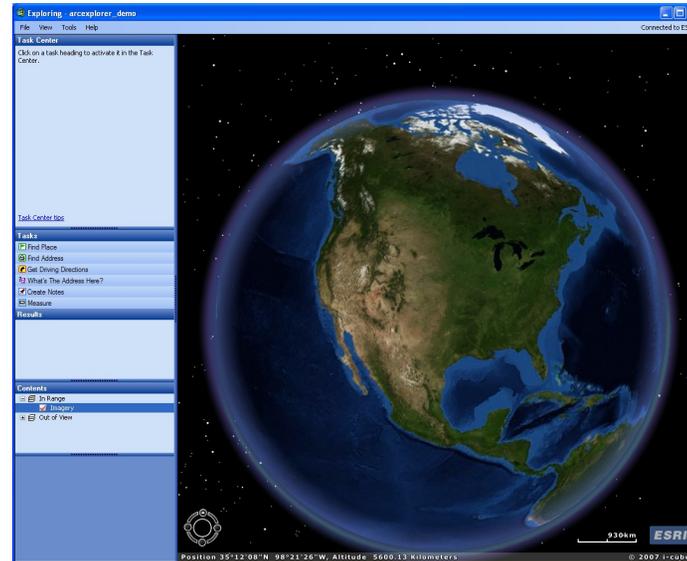
- ArcGIS Explorer. Downloadable from <http://www.esri.com/software/arcgis/explorer/index.html>



Procedure

Part 1. Access Predictive Services Core Data Layer Mapping Services and add to ArcGIS Explorer client.

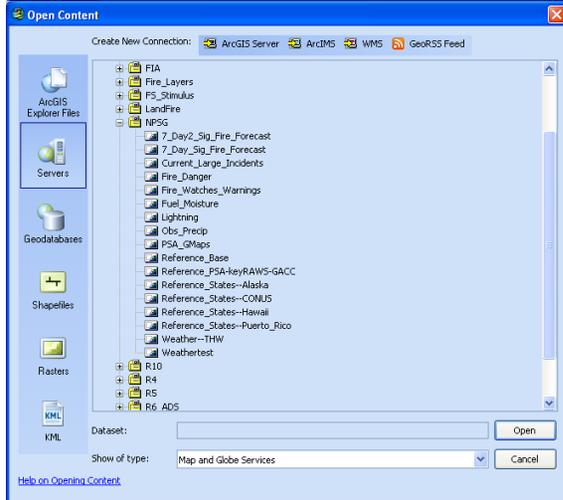
1. Start ArcGIS Explorer: **Click, Start | All Programs | ArcGIS | ArcGIS Explorer** or **click on the ArcGIS Explorer shortcut on your desktop**
2. ArcGIS Explorer will then open on your desktop.



3. Add mapping services to ArcExplorer: **Click, File | Open**
4. In the **Open Content dialog box**, select **Servers** from the left hand side
5. In the **Open Content dialog box**, select **ArcGIS Server** from the **Create New Connection** options at the top
6. In the **Add New Server Connection dialog box** that appears, enter **http://199.141.1.20/ArcGIS_NPSG/services** for the Server. No user name or password is required.

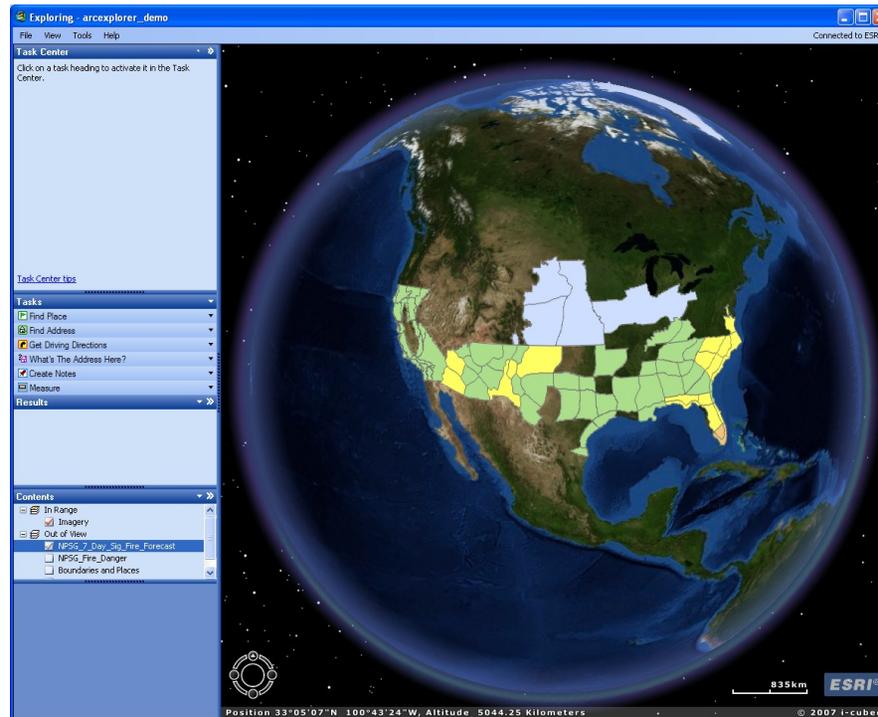


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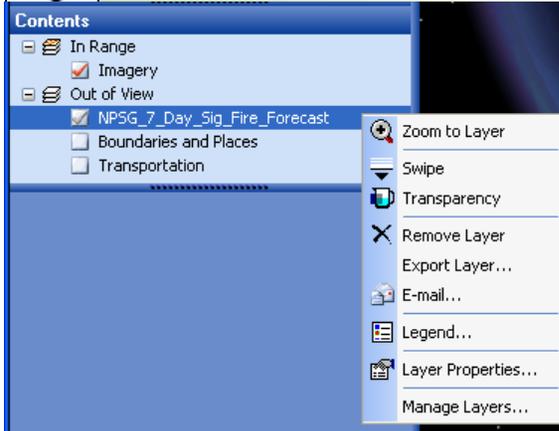
Listing of available Predictive Services core data layer mapping services in ArcGIS Explorer Open Content dialog box

7. Click **OK** in the **Add New Server Connection** dialog box.
8. In the list of folders that appears in the **Open Content** dialog box, identify the **NPSG** folder and double click it or click the "+" to the left of it to list the available NPSG core data layer mapping services.
9. Available mapping services may be added to ArcGIS Explorer one service at a time. Select the desired NPSG core data layer mapping service and click **Open** in the **Open Content** dialog box.
10. Use the default of **50 meters** for the **minimum raster cell size**.
11. Select **Save layer's disk Cache when saving map file** option.
12. The selected mapping service is added to the ArcGIS Explorer display.





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A listing of available viewing functions can be obtained by right-clicking on the core data layer mapping services in the Contents box

13. **Right Click** on the added service in the contents panel. Several functions to control the data display are available in this context menu including zoom functions, swipe tool, transparency settings, etc.
14. ArcGIS Explorer controls in the lower left corner of the data display window can be used to navigate and visualize the data in 2D or 3D similar to Google Earth.
15. Additional Predictive Services core data layer mapping services may also be added to the viewer by repeating the add ArcGIS Server procedure.



ArcExplorer map controls