

Analyzer™ Intelligent Mapping

Background / Map Formats

Analyzer will not include any pre-defined maps with the Intelligent Mapping function in place. The customer's admin/IT staff should obtain the maps from the map resource site or create any needed maps on their own. The reason we do not provide the map(s) is due to variations in customers' data that may not match a predefined map structure – for example, if we provide a map of the United States and divide it into three levels such as State-County-City, the customer might have data defined as State-City, or State-City-Zip, etc. Since we cannot know how each customer will define their geographic regions, the customer needs to select or create the maps which will match their own existing geographies.

The original map format should be in ESRI (Environmental Systems Research Institute) format. ESRI is the recognized leader in the GIS (Geographic Information Systems) industry. Consequently, there are many predefined map files available in ESRI format. We suggest that customers consider creating their maps from one of the existing map files available at: <http://www.dundas.com/Products/Map/NET/Resources/index.aspx>

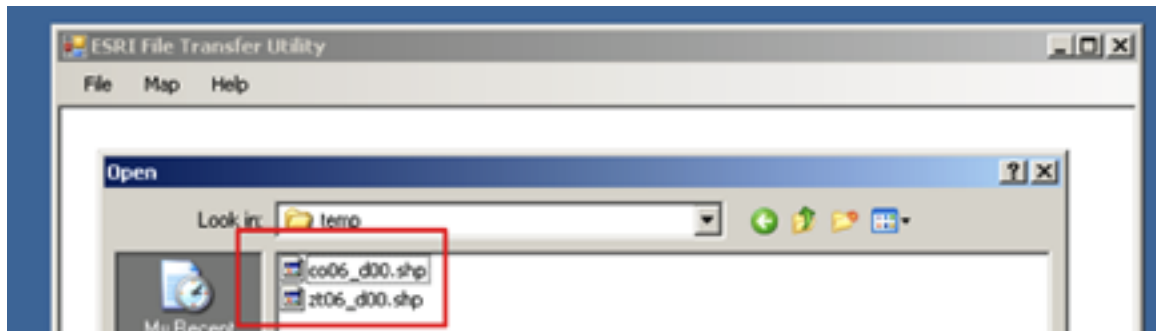
You will see that there are map files available for the Americas, Europe, Asia and Oceania, and Africa. Note that some of these map files are free and some are not.

You can also find ESRI-format map files in other locations in addition to the link above.

Preparing the Map

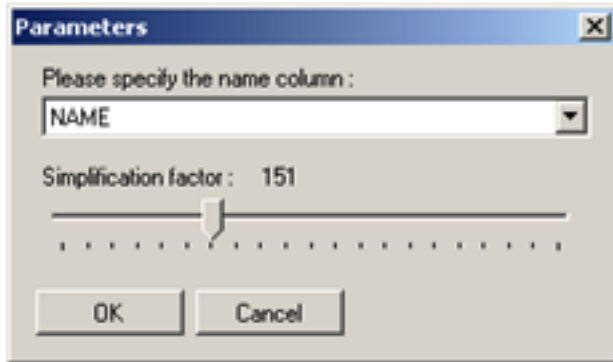
To prepare the map information so that Analyzer can understand it, we provide a utility to convert the ESRI map file into a format that Analyzer can recognize. The steps are as follows:

1. Convert the ESRI file into an Analyzer-recognizable map file.

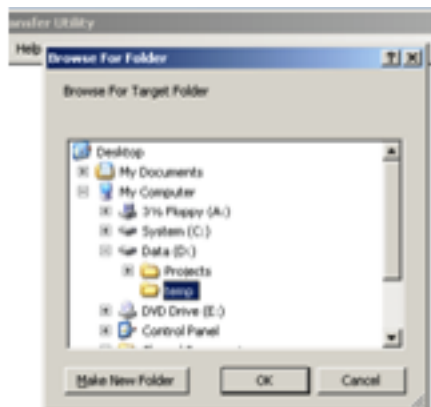


2. Specify the field that contains the geographical name. Analyzer needs to use this information to match the region and data. In other words, the regional name must match the dimension member name.

Use the “Simplification Factor” slider to specify the detail of the map. The original ESRI map file might be very detailed, but Analyzer does not need all that detail to display a map. Also, by reducing the detail you can increase performance.

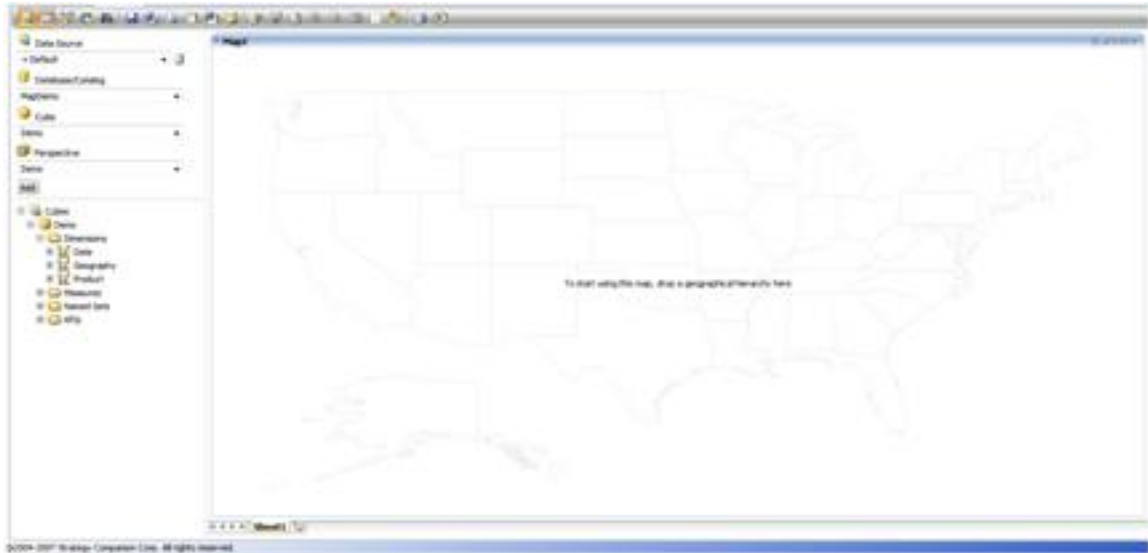


3. Specify a location to save the new converted file to:



To Use Intelligent Mapping Within Analyzer

1. First, select the geographical dimension to use. Place the hierarchy or attribute onto the map itself. Without the dimension, the map will not do anything.

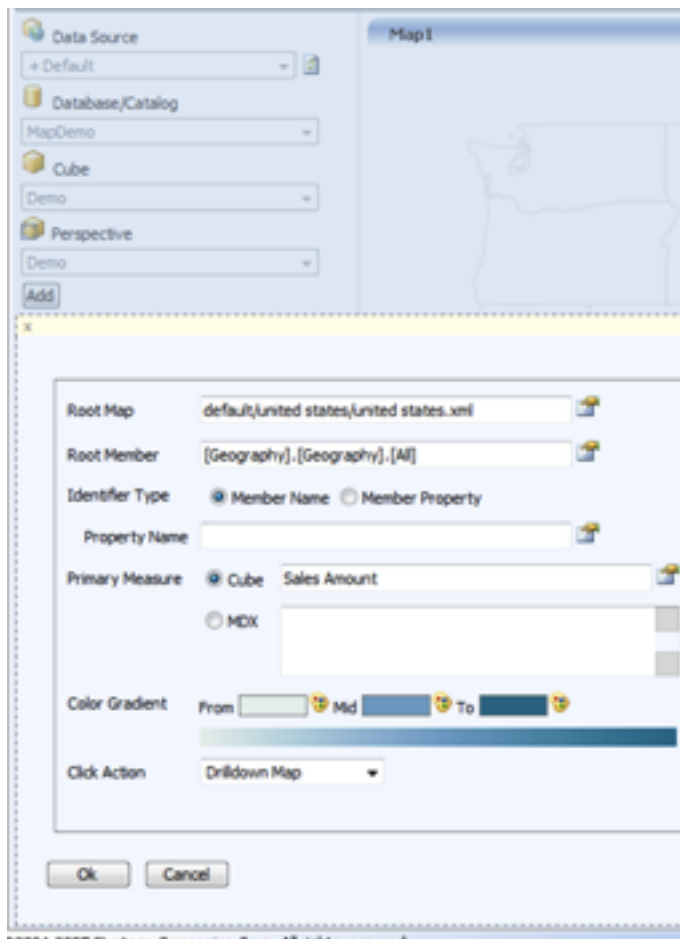


2. After a dimension is dragged onto the map, the map will show the selected dimension and a hyperlink to configure the map.



3. Configuration screen:

- The **Root Map** defines the top-most level map. Sub-levels are automatically determined after drilldown.
- The **Root Member** defines the top-most member. For example, if a map of North America is shown, then the **Root Member** is set to “North America”.
- **Identifier Type** defines whether the geographical ID comes from a Member Name or a Member Property. This name **MUST** match the name of the map file.
- **Primary Measure** defines the measure whose values will be represented by various colors. This can be selected directly or by specifying MDX.
- **Click Action** defines the action when the map is clicked.



4. Example of an Intelligent Map resulting from the configuration steps above:

