ArcGIS® Data Interoperability
Data Integration Tools for ArcGIS
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ArcGIS® Data Interoperability eliminates barriers to data sharing by providing state-of-the-art direct data access, complex data transformation, and import/export capabilities. Jointly developed by ESRI and Safe Software—an ESRI corporate alliance—this extension is built on Safe’s industry-standard Feature Manipulation Engine technology. ArcGIS Data Interoperability allows geographic information system (GIS) professionals to use any standard GIS data within the ArcGIS Desktop environment, regardless of the format. This means that users can directly read, display, and analyze this data using all the tools available within ArcGIS Desktop.

ArcGIS Data Interoperability Features
- Direct Read—Directly read more than 75 spatial data formats and export to more than 50 spatial data formats.
- Data Translation—Perform automated conversion between source and destination formats.
- Data Transformation—Further manipulate and translate default formats to create custom formats using the Workbench application.
- Full Integration with the Geoprocessing Framework—Enjoy full integration with the ArcGIS geoprocessing environment including the ModelBuilder™ framework.

Extensive Data Support
ArcGIS Data Interoperability adds support for more than 75 formats including Geography Markup Language (GML), XML, WFS, Autodesk®, DWG/DXF, MicroStation® Design, MapInfo®, MID/MIF and TAB, Oracle® and Oracle Spatial, and Intergraph® GeoMedia™ Warehouse. With the direct-read capabilities, users can access these formats as read only.

ArcGIS Data Interoperability allows users to access and overlay these data formats as they would any other ESRI® format, such as a personal geodatabase or shapefile; browse the data in ArcCatalog™ to view the geometry, attributes, and metadata; add the data to ArcMap™ (or other ArcGIS applications such as ArcGIS 3D Analyst™ ArcGlobe™); overlay these layers with the user’s other data for display and analysis; and use all map and data tools such as Pan, Zoom, Identify, and Labeling.
Data Translation
The ArcGIS Data Interoperability extension allows users to directly read, display, and analyze data, utilizing all the available tools in ArcGIS Desktop. ArcGIS Data Interoperability provides a new toolbox with Quick Import and Quick Export tools that allow ArcGIS users to quickly translate between data formats with default format settings.

Data Transformation
ArcGIS Data Interoperability provides a graphic data flow environment, called Workbench, for further translation and schema redefinitions. Fully integrated into ArcGIS Desktop products, Workbench is a semantic translation engine that allows users to build custom formats or create custom import or export tools. Workbench provides a rich set of more than 150 specialized transformers that can be used to transform both geographic and attribute information and lets users visually manipulate data translations.

With ArcGIS Data Interoperability, users can build features, join attributes, rename fields, split data into multiple layers, and perform many more transformations without having to write code and still be able to use the custom data format repeatedly in ArcGIS Desktop just like any other data source.

Full Integration with the Geoprocessing Framework
Formats supported by ArcGIS Data Interoperability can be fully integrated into the geoprocessing environment including the ModelBuilder framework. Data, including custom formats, can be used as input for the geoprocessing tools. With ModelBuilder, data formats can be manipulated within GIS models and incorporated into the user’s workflow for geographic data processing and analysis. The ArcGIS Data Interoperability Import, Export, and Transformation tools can also be used within the ModelBuilder framework for importing many data formats into a spatial processing environment, then exporting the results to various formats.

Requirements
ArcGIS Data Interoperability requires ArcView® 9, ArcEditor™ 9, or ArcInfo® 9.

Evaluate ArcGIS Data Interoperability Today
www.esri.com/datainteroperability
For more than 35 years, ESRI has been helping people make better decisions through management and analysis of geographic information. A full-service GIS company, ESRI offers a framework for implementing GIS technology and business logic in any organization from personal GIS on the desktop to enterprise-wide GIS servers (including the Web) and mobile devices. ESRI GIS solutions are flexible and can be customized to meet the needs of our users.

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