

ESRI® ArcObjects™ is the development platform for the ArcGIS™ family of applications such as ArcMap™, ArcCatalog™, and ArcScene™. The ArcObjects software components expose the full range of functionality available in ArcInfo™, ArcEditor™, and ArcView™ to software developers.

ArcObjects is the development platform for ArcGIS Desktop, a suite of GIS software systems: ArcInfo, ArcEditor, and ArcView. These systems serve GIS professionals with a spectrum of geographic data management, spatial editing, and cartographic visualization functionality. The ArcGIS Desktop systems each contain a configuration of applications, such as ArcCatalog, ArcMap, ArcToolbox™, and ArcScene, and can host a variety of extension products such as Spatial Analyst, Geostatistical Analyst, 3D Analyst™, and others. This object model diagram shows the ArcGIS subsystems and their components that coordinate all geographic data management. These are the ArcObjects components documented in volume two of Exploring ArcObjects. You will find updates to ArcObjects developer resources at www.esri.com/arcobjectsonline.

ESRI® ArcGIS 8.1 Object Model

Exploring ArcObjects • Volume 2 • Geographic data management

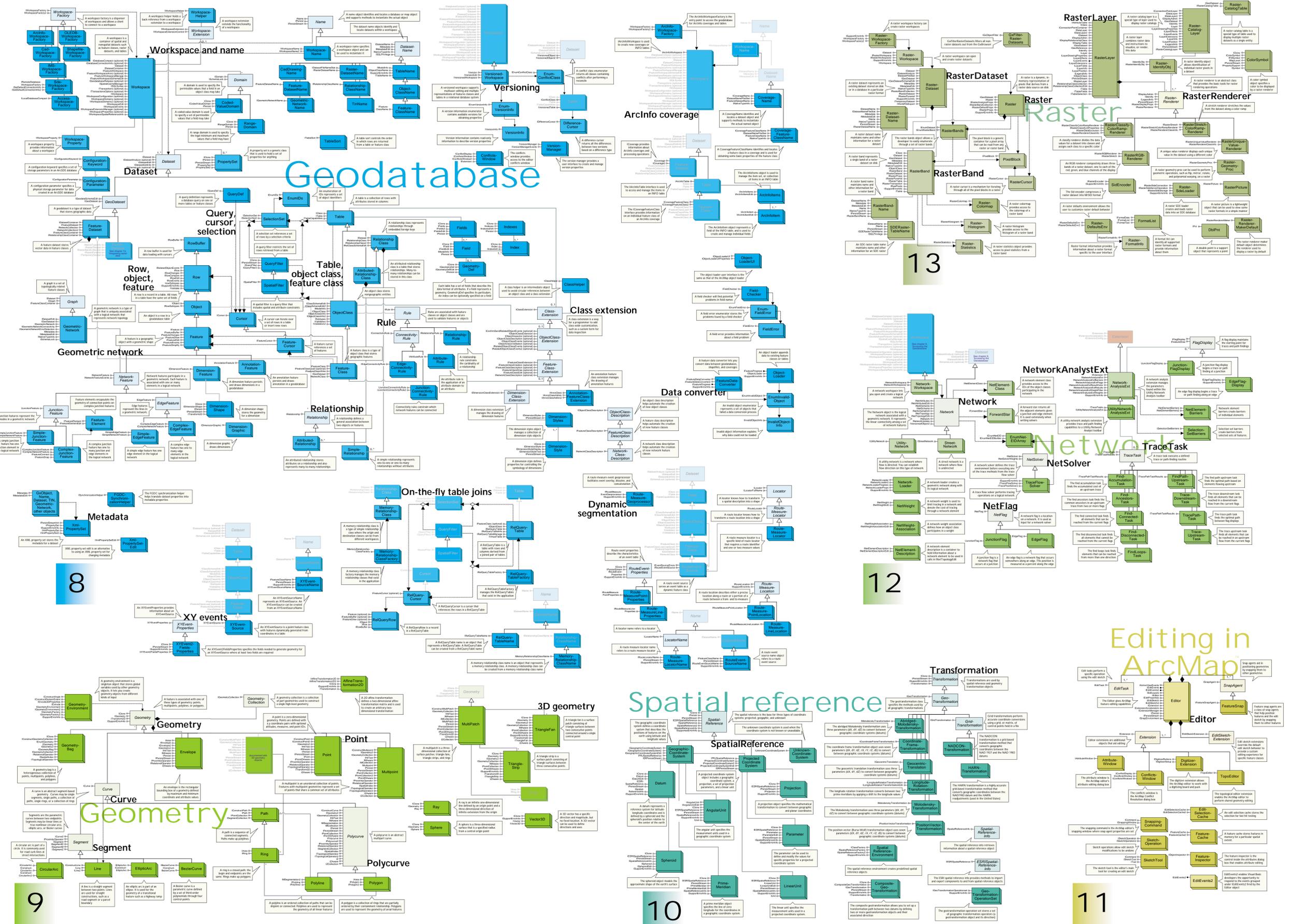
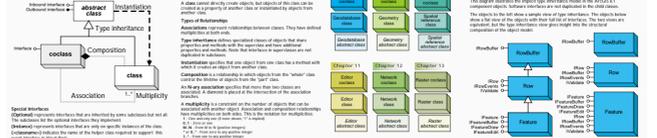
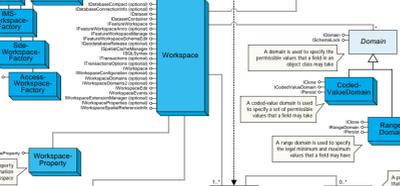


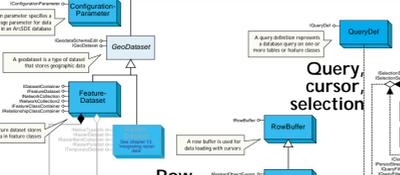
Diagram key



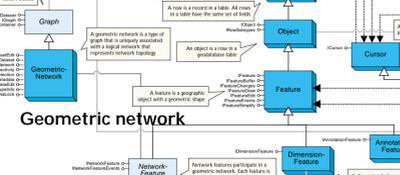
Workspace and name



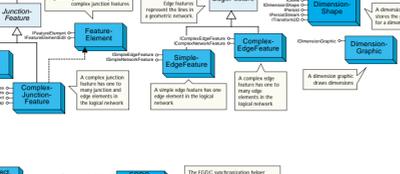
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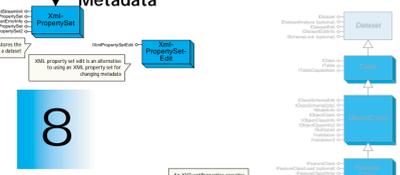
Query, cursor, selection



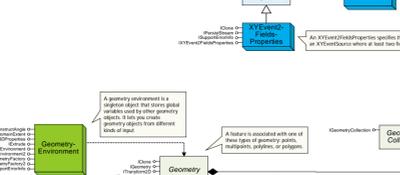
Row, object, feature



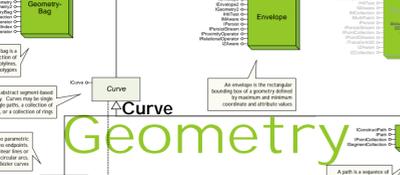
Geometric network



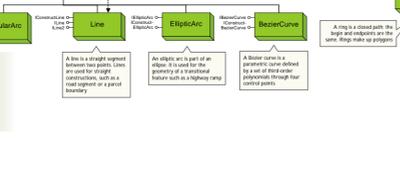
Metadata



XY events

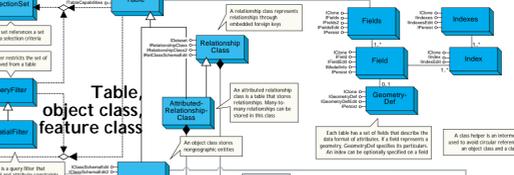


Geometry

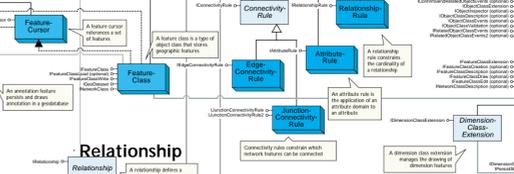


Geodatabase

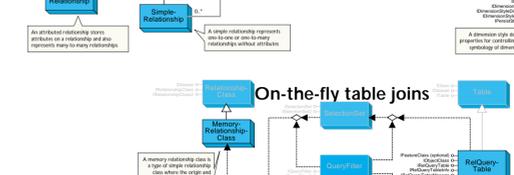
Table, class, feature class



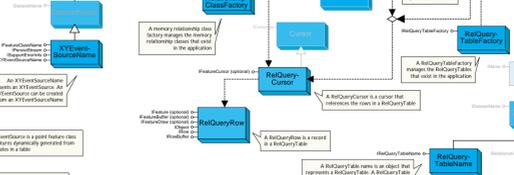
Relationship



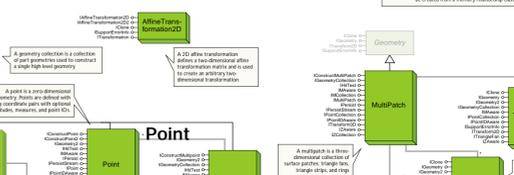
On-the-fly table joins



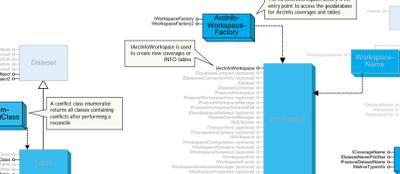
Dynamic segmentation



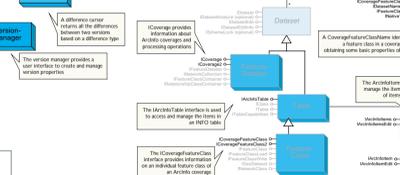
3D geometry



Versioning



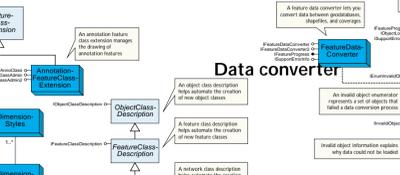
ArcInfo coverage



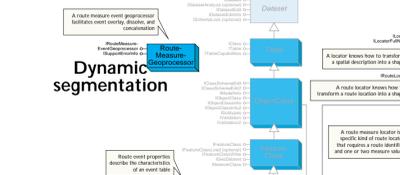
Class extension



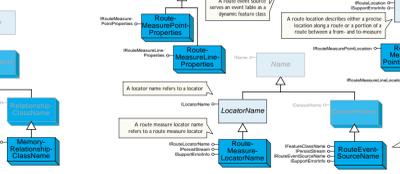
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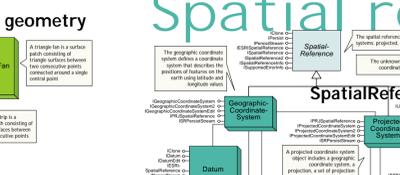
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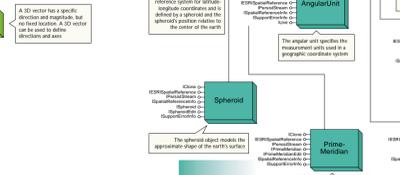
Locator



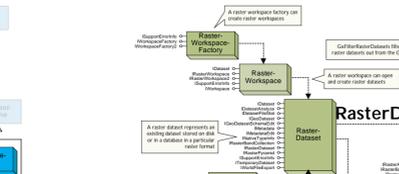
Spatial reference



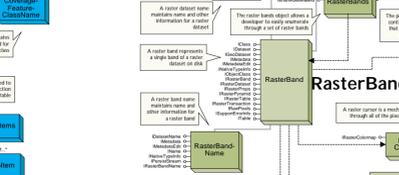
Transformation



RasterDataset



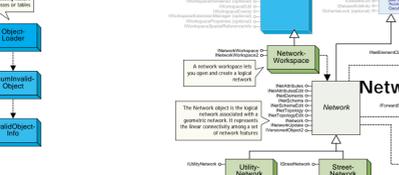
Raster



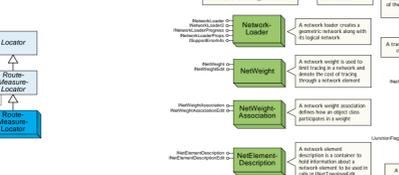
RasterBand



Network



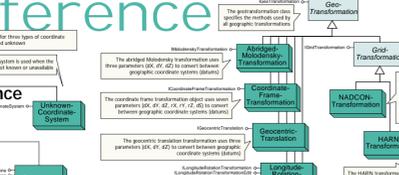
NetFlag



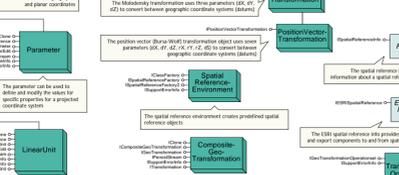
NetSolver



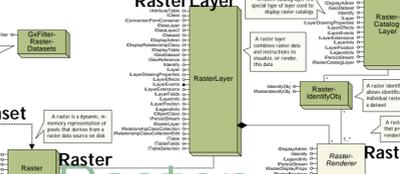
Editor



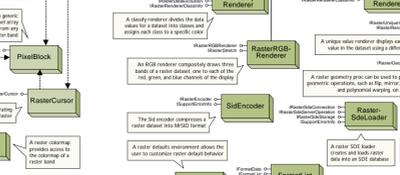
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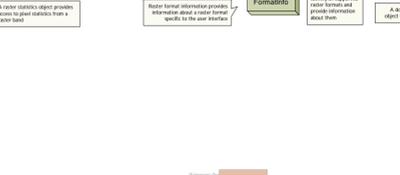
RasterLayer



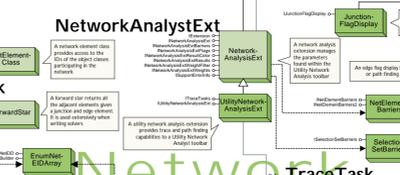
RasterRenderer



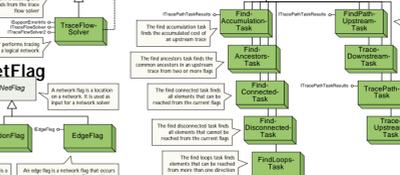
TraceTask



NetworkAnalystExt



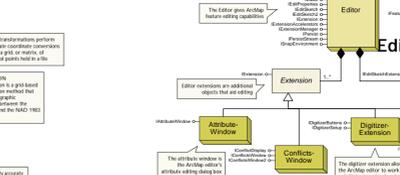
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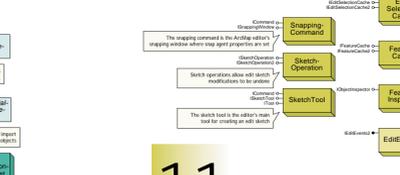
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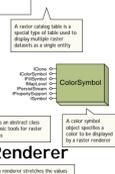
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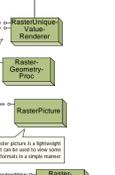
Editing in ArcMap



ColorSymbol



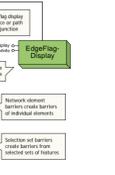
RasterCatalogLayer



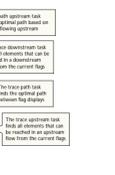
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TraceTask



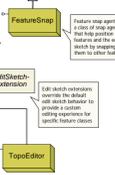
NetSolver



Editor



Editing in ArcMap



Editor

