Using CASE Tools for GIS Database Design in Arc 8

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Why CASE Tools?

- What's a CASE Tool?
- What's a UML?
- Focus on the fundamentals

Topics of Discussion

- 3 Ways of creating Geodatabases
- Benefits of using CASE Tools
- Process of using CASE Tools with Arc 8
- Creation of the Universal Modeling Language (UML) file
- ArcCatalog's Schema Generation Wizard

3 Ways to create GDB Schema

- Load Existing Data into GDB, shapefiles, coverages, other GDB's
- ArcCatalog's Internal Tools
- ArcCatalog's Schema Creation Wizard (UML Importation from CASE Tools)

Benefits of Using CASE Tools

- Graphic interface to design, not tabular-based
- Easier to organize, modify, maintain GDB Schema
- Internal error-checking
- ESRI Object Model information is easily accessed

Using CASE Tools Visio Enterprise

- Use the ESRI ‘Start from Here’ UML Diagram to get started, not standard templates
- Build from ESRI Objects
- Define Feature Class, Feature, Subtypes, and Domains
- Error check
- Export UML to MS Repository

Using ArcCatalog to Import the UML

- Adding the Schema Creation Wizard to the ArcCatalog Toolbar
- Setting up the GeoDatabase
- Running the Wizard
- Notes on Geometric Networks

Adding the Data

- Simple Data Loader for existing Shapefiles, Coverages, or other GDB's
- Use ArcMap to add features
- Validation occurs while saving

Consider CASE Tools!

- If you are developing many GIS geodatabase designs, look into CASE Tools
- Easier to manage, faster startup time to implement

What's Next?

- Quick Demo of Visio Enterprise and ArcCatalog if time allows