



## GeoData Modeler Product Description

Laurel Hill GIS' GeoData Modeler is a productivity product for reporting and management of the geodatabase schema. GeoData Modeler is an essential tool for the GIS data modeler as well as management and non-technical staff within an enterprise.

### Reporting the contents of a geodatabase

GeoData Modeler allows users to quickly report the contents of a given geodatabase. A multi-tabbed Excel spreadsheet details geodatabase properties in an easy to use format. Additionally, a formatted HTML report is generated that can easily be shared with the enterprise.

GeoData Modeler is integrated with ArcFM, reporting ArcFM properties such as Field Info, Model Names, Field Model Names and Object Info.

Baseline reporting of a geodatabase can be a starting point for developing a new data model, or just understanding what is actually contained in mature enterprise geodatabase.

### Comparing the contents of a geodatabase

GeoData Modeler quickly compares the contents of a geodatabase to the baseline or directly between two geodatabases to report the differences. This comparison can be invaluable for enterprises with multiple development, test, pre-production and production geodatabase. Keeping all of the enterprise's schemas in sync can be a nearly impossible task.

Differences are clearly identified, showing deletes as red, additions as green and property differences in amber, with the previous values shown as comments.

### Updating the schema of a geodatabase

GeoData Modeler allows users to apply modifications made to the Excel spreadsheet to a geodatabase. Modifications as simple as changing an alias of a column name, to more complex such as creating a new feature dataset and adding feature classes.

Once the updates are created in a development environment and tested in a testing environment, they can simple be pushed to a pre-production and finally a production database.



### Benefits of GeoData Modeler

GeoData Modeler allows for a broad view of the entire geodatabase schema in a single multi-tabbed Excel spreadsheet. This format offers extensive access to the schema that just cannot be done with ArcCatalog or the ArcFM properties manager. By leveraging the power of Excel's sorting, filtering and pivot tables allow users to analyze the data model for inconsistencies and errors in a familiar format that they are comfortable with.

The comparison functions of GeoData Modeler empower the data modeler or business analyst to detect the slightest differences in ArcGIS schema properties as well as ArcFM properties. These differences could be as simple as difference in a domain description or annotation expression to as complex as a missing geometric network junction or edge rule. Differences in ArcFM field property settings such as required fields, field visibility or field edibility along with properties of field and object model names and auto updaters can be detected with the comparison function.

The update function offers the Data Modeler and DBA the greatest benefits. Change requests are made in the data model spreadsheet, then can be applied to lower environments and eventually the production database. This structured automated approach can consistently apply more volume of model changes across the enterprise. Once the data model updates have been applied, the comparison function can confirm that all changes have been made and made correctly to the database.

### Contact Information

Laurel Hill GIS, Inc.  
Matt McCain  
307 Bross Street  
Longmont, CO 80501  
(303) 772-6856

[matt@laurelhillgis.com](mailto:matt@laurelhillgis.com)

For more information about GeoData Sentry or Laurel Hill GIS visit our website at:

[www.laurelhillgis.com](http://www.laurelhillgis.com)