**ArcGIS Pro Guide: Importing Feature Classes and Data into Geodatabases**

**Overview**

ArcGIS Pro offers several tools for importing datasets like feature classes, tables, and CAD files into geodatabases, with options for customization and batch processing.

**1. Importing Data into a Geodatabase**

* **Supported Data Types**: Shapefiles, CAD files, feature layers, and existing geodatabase feature classes.
* **Tool Access**: Right-click the target geodatabase or feature dataset in the Catalog pane > **Import** > **Feature Class(es)**.

**Feature Class to Geodatabase Tool**

* Imports one or more datasets into a geodatabase, with automatic correction of invalid field characters (e.g., hyphens to underscores).
* **For selective imports**: Use the **Export Features** tool to filter data and control fields, mapping, and sorting.

**Tip**: Create a model for batch importing multiple datasets to save time.

* [Learn more about the Feature Class to Geodatabase tool](https://pro.arcgis.com/en/pro-app/latest/help/data/geodatabases/overview/import-data.htm)

**2. Working with Coordinate Systems**

* Each feature class has a spatial reference. When imported into a feature dataset, the new feature class inherits that dataset’s spatial reference.
* To change coordinate systems during import (e.g., from NAD 1927 to NAD 1983), use the **Project** tool.
* [Learn more about spatial references](https://pro.arcgis.com/en/pro-app/latest/help/data/geodatabases/overview/import-data.htm)

**3. Importing Tables into a Geodatabase**

* **Table Types**: Microsoft Excel, dBASE, delimited files, and geodatabase tables.
* **Tool Access**: Right-click the geodatabase > **Import** > **Table(s)**.
* The **Table To Geodatabase** tool supports batch imports, automatically adjusting any invalid field names.

**For Specific Rows or Fields:**

* Use the **Export Table** tool to apply filters, mapping, and sorting options for table data.

**4. Importing XML Workspace Documents**

* **Purpose**: Share geodatabase schema and data by importing feature datasets, classes, or tables.
* **Tool Options**: Use the **Import XML Workspace Document** tool or the **Import XML Workspace Document Wizard**.
* [Learn more about XML workspace documents](https://pro.arcgis.com/en/pro-app/latest/help/data/geodatabases/overview/import-data.htm)

**5. Using Geoprocessing Tools for Importing Data**

* **Access**: **Analysis** > **Tools** > Geoprocessing Pane > **Conversion Tools** > **To Geodatabase**.
* **Conversion Tools**:
  + **BIM File to Geodatabase**: Imports BIM file workspaces (Revit/IFC) as a feature dataset.
  + **CAD to Geodatabase**: Converts CAD datasets to feature classes within a feature dataset.
  + **Raster to Geodatabase**: Imports raster datasets into a geodatabase (use Mosaic datasets for performance).
  + **Mobile Geodatabase to File Geodatabase**: Converts mobile to file geodatabase.
* [Explore the To Geodatabase toolset](https://pro.arcgis.com/en/pro-app/latest/help/data/geodatabases/overview/import-data.htm)

**6. Data Interoperability with the Data Interoperability Toolbox**

* The **Quick Import** tool in the **Data Interoperability toolbox** provides options for importing data in various formats using Safe Software’s FME technology.
* **Special Cases**: Use for legacy data types, such as coverages or data from personal geodatabases.

**7. Enterprise Geodatabases Considerations**

* **Privileges**: Different user roles have different data import permissions.
* **Database Options**: Database administrators can specify storage options for imported data using configuration keywords and Auto Commit settings.
* [Learn more about enterprise geodatabase access and privileges](https://pro.arcgis.com/en/pro-app/latest/help/data/geodatabases/overview/import-data.htm)

This guide provides key instructions and tips for importing data into ArcGIS geodatabases, helping streamline data management across a range of formats and configurations.