An Introduction to Using Revit Data in ArcGIS Pro

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GIS and CAD
Interoperability

CAD as Map
Migrate to Geodatabases
Export to CAD

ArcGIS Desktop

GIS Info for Context
Create GIS Data with CAD
Edit GIS Features

ArcGIS for AutoCAD
GIS is 3D
BIM and GIS workflows are continuously needed within Infrastructure Life Cycles
Record BIM

Design BIM

“As-Maintained” BIM

Concept BIM

Construction BIM

Trades BIM

As-Built BIM

Scan to BIM

3D CAD w/ Attributes
Features or Visualization
IFC Workflow Today
Adding CAD Data in ArcGIS Pro

- CAD Reader
Adding CAD Data in ArcGIS Pro

• CAD Reader

Default Behavior

CAD File

Direct Read
Map Layers

POINTS
POLYLINES
POLYGONS
ANNOTATION
MULTIPATCH

ROOMS (MSC)
WALLS (MSC)
Adding REVIT Data in ArcGIS Pro

• REVIT Reader
Adding REVIT Data in ArcGIS Pro

**Default Behavior**

- WALLS
- ROOFS
- WINDOWS
- DOORS
- FLOORS
- <CATAGORIES>
  ...

**REVIT Reader**

**REVIT File**
Demo: Positioning Revit files in ArcGIS Pro

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Integration Patterns
GIS Services in AEC
Information Flow Patterns.

ArcGIS for Desktop

Microstation .DGN

.DWG with ArcGIS Feature Classes

ArcGIS for AutoCAD

Server

Desktop

Web

Device
Autodesk Infraworks...
Demo: Working with Revit files
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Scene Layers & BIM