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# The ArcGIS for AutoCAD CAD Plug-in

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# ArcGIS for AutoCAD: What It Is

## The basics

- The AutoCAD interface into the ArcGIS System
  - Runs inside of AutoCAD
- Free download from Esri
  - <http://www.esri.com/software/arccgis/arccgis-for-autocad>
- Supports AutoCAD 2013 and higher
  - 32-bit & 64-bit
  - Map3d and Civil3d supported



# ArcGIS for AutoCAD is for you if...

Is ArcGIS for AutoCAD the right tool for you?

- You want better GIS data from AutoCAD
  - Location, location, location
  - Better organized
  - Attributed
- You want AutoCAD to see what you see
  - Share your maps
  - Share your features
- You want AutoCAD as a GIS editor

# ArcGIS for AutoCAD in the ArcGIS System

The background of the slide is a topographic map. It features a color gradient from dark blue on the left to a lighter cyan on the right. White contour lines are visible, representing elevation changes. In the upper right corner, there is a small, more detailed inset map showing a grid-like pattern, possibly representing a different type of terrain or a specific geographic area.

# What Can ArcGIS for AutoCAD do?

What you're going to see in the upcoming demos

- Access to free content from Esri
- Geolocation tools
- AutoCAD-centric tools to organize in a GIS-centric way
- GIS attributes on AutoCAD entities
- Sharing: GIS to CAD with attributes
- Sharing: Map Services in AutoCAD
- Collaborating: Feature Service Editing in AutoCAD



# Demo:

Esri Resources as CAD Design Context





# Demo:

How to create AutoCAD feature classes



# Demo:

Adding GIS attributes to AutoCAD entities

# Demo:

Repurposing AutoCAD text as GIS attributes





# Demo:

ArcGIS for AutoCAD API/Bonus Tools





# Demo:

Selection Tools and Creating Related Text

The background of the slide is split horizontally. The top half has a textured, orange-to-red gradient. The bottom half features a blue and purple wavy, layered design that resembles a topographical map or a stylized landscape. 

# Demo:

Export to CAD creates attributed CAD features





# Demo:

Sharing your maps with AutoCAD





# Demo:

Feature Service editing in AutoCAD

# What Can ArcGIS for AutoCAD do?

Getting better GIS content from CAD

- **Location, location, location**
  - Coordinate Systems
  - Shared maps help AutoCAD users place projects
- **Cad drawings organized for GIS**
  - Feature Classes
  - Attribution
  - Export to CAD to create matching schemas
- **Collaboration**
  - CAD editors updating GIS enterprise data (or not)

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