ArcGIS for AutoCAD 300
Plugging CAD Users Into the ArcGIS System

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Esri CAD Product Manager
ArcGIS is a Complete System
Managing and working with geographic information

- Discover
- Create
- Manage
- Visualize
- Analyze
- Collaborate

Cloud
Enterprise
Local

Desktop
Mobile
CAD
Web
ArcGIS for AutoCAD
GIS and CAD

CAD in ArcGIS

Add CAD drawings to maps
Use CAD With Geoprocessing
Migrate Entities/Features to Geodatabases

ArcGIS for AutoCAD

Access maps and information for context
Create ArcGIS Data
Edit Geodatabases

CAD in ArcGIS Desktop

ArcGIS in CAD
What You’re Going To See
Things you can do with ArcGIS for AutoCAD

• Working with ArcGIS Services
  - My ArcGIS Server Services
  - Other People’s ArcGIS Services

• Editing GIS Data with AutoCAD
  - Data Stored in .DWG
  - Data “visiting” from Feature Services
Using Esri ArcGIS Services

With the ArcGIS for AutoCAD Plug-in
ArcGIS for AutoCAD

Using ArcGIS Services
Demo: Using ArcGIS Services

- AFA
  - Open New Drawing
  - Add Coordinate System
  - Use Location Service (Redwood and 3rd St, Riverside CA)
  - Add Soils Data
  - View Soils Attributes
  - Add Maps
  - Modify Draw Order
  - View Properties of Map Services
Create ArcGIS Data in .DWG Files

With ArcGIS for AutoCAD
Creating GIS-Ready .DWG Files
Coordinate System / Feature Classes / Attribute Schema

ArcGIS for AutoCAD
Demo: Creating ArcGIS Data Inside AutoCAD

• AFA
  - Define Centerlines and Attribute “STATUS”
  - Define LotLines
  - Define LotText
  - Add a new LotLine
  - Add a new Centerline
  - Save Drawing

• ArcMap
  - Add CAD Data
  - Run GP Tool [FEATURES TO POLYGON]
Using ArcGIS Data in .DWG Files

With ArcMap
Using GIS-Ready .DWG Files in ArcMap
Better Than Shapefiles
Create ArcGIS Data in .DWG Files

With ArcMap
Create ArcGIS Data in .DWG Files
With ArcMap
Create ArcGIS Data in .DWG Files
From Feature Service in ArcGIS for AutoCAD
Extract Data From Server
Within AutoCAD

ArcGIS Desktop
Publish to ArcGIS Server

Geodatabase
ArcGIS Server

ArcGIS for AutoCAD
.DWG Files
Using Your Services
Within AutoCAD

ArcGIS Desktop

Geodatabase

ArcGIS Server

Publish to ArcGIS Server

ArcGIS Online

ArcGIS for AutoCAD
Warning: No Coordinate System Defined.

This drawing does not have a coordinate system defined.

Click Assign to assign a coordinate system or click Ignore to bypass this step.
Product Features

- Map Services
- Feature Services
- Image Services
- Geo-Location Service
- Coordinate Systems
- Schema Management Tools
- Selection Tools
- Table Viewer
- .DWG Files
Workflows

- Edit Esri Enterprise Geodatabases
  - Connected / Long Transaction
- Extract Feature Service Data as CAD
- Services Instead of Conversion
- Work with GIS Data Exported from ArcMap
- Create ArcGIS Data for ArcMap
- Use Existing CAD Standards for GIS Submittals
- More…
Download ArcGIS for AutoCAD 300 Now
More Languages & AutoCAD Versions Coming Soon…

- **AutoCAD Windows 32/64 bit 2010-12**
  - Works in but not with: Civil 3D/ Map 3D/ ADT
  - Not Supported* in AutoCAD LT

- **Coming Soon:**
  - AutoCAD 2013 Support
  - More Languages…
Please fill out the evaluation: www.esri.com/ucsessionssurveys
New User Experience Changes

• Updated Ribbon Interface
• New Table of Contents Interface (TOC)
• Improved Feature Attribute Handling
  - Feature Attribute Table Viewer
  - Improved Map Features Identify Window
  - More Scalable Feature Attribute Editing Tool
• More Task-Oriented Help
• More Selection Tools
• More Languages