ArcGIS Pro Q&A Session

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ArcGIS Desktop

The applications

ArcGIS Pro

ArcMap

ArcCatalog
ArcScene
ArcGlobe
ArcGIS Desktop | Professional GIS

Our Focus

Improvements
- Annotation Editing
- Measured Grids
- Charts and Graphs
- WFS
- 3D Editing
- Customization

ArcGIS Pro 2.0

New
- Orthomapping
- Massive Point Clouds
- Vector Tiles
- Dynamic Aggregation
- Arcade Expressions
- Data Exploration
- GeoAnalytics Integration

Coming
- Utility Network
- Metadata
- Parcels

Advanced Mapping, Visualization, Editing, and Analysis

Pro Is the New Standard . . .
. . . For Desktop GIS
Is ArcGIS Pro a Replacement for ArcMap?
Is ArcGIS Pro a Replacement for ArcMap?

• Yes
• ArcMap still supported
  - But not supported forever
• Eventually ArcGIS Pro will replace ArcMap

ArcGIS Pro is the future for desktop GIS
What is the plan for ArcMap?

- ArcMap continues
  - Minor updates \ bug fixes

ArcMap 10.5.1
ArcMap 10.6
Migrating to ArcGIS Pro
Getting Started With ArcGIS Pro

Setup
- Download and Install
- Sign-in and Authorize
- Get Updates
- Set Display Language

Migration
- Take inventory
- Create, connect, import
- Analyze results
- Consult resources

Resources
- Tutorials
- Terminology Guide
- Supported data types and items
- Virtual Campus
Responding to your education and training requests

Learning Resources – Overcoming the learning curve

• 76 ArcGIS Pro tutorials, web courses, videos and seminars on esri.com/training
• 15 Quick-start tutorials in Get started with ArcGIS Pro
• 11 ArcGIS Pro lessons on learn.arcgis.com
• 3 books plus a 4th on the way
The Foundation for Your GIS

Build projects from your maps, data, analytical models, and more with ArcGIS Pro. Collaborate with others in your organization and share your work with everyone on the web.
ArcGIS Pro

- 64 Bit, multi-threaded
- Simplified user interface
- Integrated with the Platform
- Combined 2D/3D experience
- Multiple maps and layouts
- Simple search and query
Why migrate to Pro?

• Modern application
• Great sharing experience for maps, scenes, layers & analysis
• Author the best web maps and layers
• 3D GIS
• Most comprehensive set of geospatial analysis tools
Getting started

• Know before you Pro series
Import your maps, scenes and globes

- Import .mxd, .sxd, and .3dd files
- What imports?
  - maps, layouts, symbology, styles, scenes, models
- Maps look the same
What if something doesn’t look the same?

- In a few cases things may be slightly different
  - Check the Notifications
  - I.e. OLE Objects are not supported
Terminology
ArcGIS Pro Terminology Guide

<table>
<thead>
<tr>
<th>ArcMap</th>
<th>ArcGIS Pro</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data View</td>
<td>Map View</td>
</tr>
<tr>
<td>Data Frame</td>
<td>Map Frame</td>
</tr>
<tr>
<td>Active Data Frame</td>
<td>Active View</td>
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<tr>
<td>Globe, Local Scene</td>
<td>Scene</td>
</tr>
<tr>
<td>Data Driven Pages</td>
<td>Map Series</td>
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<tr>
<td>Find tool</td>
<td>Locate tool</td>
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<tr>
<td>Create Folder Connection</td>
<td>Add Folder</td>
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<tr>
<td>Marker Symbol</td>
<td>Point Symbol</td>
</tr>
<tr>
<td>Fill Symbol</td>
<td>Polygon Symbol</td>
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</tbody>
</table>
Working with ArcGIS Pro
Familiar but new and improved

Ribbon contextual user interface and multiple views
Working with ArcGIS Pro
Familiar but new and improved

“What do you mean, I don’t have to start editing?”
Working with ArcGIS Pro
Familiar but new and improved

Analysis is where you’ll find geoprocessing
Working with ArcGIS Pro
Familiar but new and improved
Share and really use the full power of the platform
Working with Projects

- Multiple Maps and Layouts
- Database, Folder, Server connections
- Tools and Toolboxes
- Default Geodatabase

All can be easily packaged and shared

How should I organize my work moving forward?
Project Templates

In Pro there is no normal.mxt

- You can have many templates
  - Editing, mapping, viewing
- Customize and share
  - User interface
  - Project styles
  - Layouts
  - Connections
  - Toolboxes

Your templates show up in the start experience
Where are my styles?

- New style format (.stylx)
- Not all styles are installed with ArcGIS Pro
- Referenced styles are imported with maps
- Styles from ArcMap and Custom styles can be imported
- Add styles to your project

- Styles can be shared via ArcGIS Online or your portal
Analyze Tools for Pro

Will my tool “just work?”

- Analyze models
- Toolboxes
- Python scripts
- Script tools

Returns anything not supported with helpful hints as to why
ArcGIS Ideas

• Visit ideas.arcgis.com to:
  - Vote
  - Comment
  - Submit new ideas

• ArcGIS Pro team wants your feedback!
  - Regular review
  - Your use case matters
  - Your ideas can result in new features for everyone

Visit the ArcGIS Ideas space on GeoNet
Responding to your requests and feedback

ArcGIS Desktop Ideas On the Move: June 2017

Blog Post created by Kory Kramer on Jun 27, 2017

Like • 1  Comment • 4

With today’s release of ArcGIS Pro 2.0, it’s time for another summary of what’s happening with ideas.

11 Desktop ideas have been moved to **Implemented**:
- Run more than one instance of ArcGIS Pro
- Saving Service and SDE Connection in ArcGIS Pro
- Grid and Graticules
- Rename Shapelines (better data management) in ArcGIS Pro (1.4)
- Make Enterprise GDB Connections User-Wide for ArcGIS Pro
- Using a Web Feature Service (WFS) without converting it to a feature layer (ArcGIS Pro)
- ArcGIS Pro: Rearrange Fields in Field View
- Exporting Data from Project View in ArcGIS Pro
- Native/Direct WFS Support in ArcGIS Pro
- ArcGIS Pro - Extract Data tool - polygon input as in ArcMap
- ArcGIS Pro: Allow connection to .sde files in folders

2 Desktop ideas have been moved to **In Product Plan**:
- Drag & Drop Data into ArcGIS Pro
- Add full OGC WFS support in next version of ArcGIS Desktop (no extension use)

2 Desktop ideas have been moved to **Under Consideration**:
- Add an autosave feature for ArcGIS Desktop
- Add Direction to the Measure Tool
ArcGIS Pro Licensing
ArcGIS Pro Licensing

Named User

Single Use

Concurrent Use
How do you get ArcGIS Pro?

- Purchase ArcGIS Desktop (Basic, Standard or Advanced) Perpetual or Term
  - Perpetual – No expiration (Software + Maintenance)
  - Term – Subscription (Access until specified date)
  - Enterprise License Agreement

- 3 License types
  - Concurrent Use (Perpetual)
  - Single Use (Perpetual or Term)
  - Named User (Term)
ArcGIS Pro Licensing

Single Use

- Perpetual or Term
- Locked to your machine
- Online or Offline
- Secure
ArcGIS Pro Licensing

Concurrent Use

- Perpetual
- License Manager
  - Requires version 10.5.x
  - Separate provisioning files
- On-premises \ Your network
- Secure

Available for existing Concurrent Use customers
ArcGIS Pro Licensing

Named User

Single Use

Concurrent Use

ArcGIS Online

ArcGIS Enterprise

Access Pro the best way for your organization
ArcGIS Pro Licensing

Named User

- Anytime / anyplace
  - Up to 3 machines
- Grant access by user
- Control product level and extensions
- Re-assign licenses
- Know who is using what and when
- ArcGIS Online or Enterprise
Named User licensing in ArcGIS Online

Activate organization

- Named User licenses are managed through organization accounts (not public accounts)
- Account must be activated by the person who will administer the ArcGIS Online organization
- Click the activation link from Customer Service
- This email can be forwarded
Named User licensing in ArcGIS Online
Add members to your organization

- Users who need an ArcGIS Pro license must first be a member of the organization
- Organization tab > Invite Members
- ArcGIS Pro requires that members have a Level 2 account
Manage Licenses

- Must be Administrator or have the Manage Licenses privilege
- Manage Licenses experience in ArcGIS Online
  - Search by Group or Role
  - Assign and revoke licenses
- ArcGIS Pro user experience
  - Licensing portal and active portal
  - Take license offline
What extensions are available with ArcGIS Pro?

- Spatial Analyst
- 3D Analyst
- Network Analyst
- Geostatistical Analyst
- Data Reviewer
- Workflow Manager
- Data Interoperability
- StreetMap Premium
- Pipeline Referencing
- Defense Mapping
- Aviation Airports
ArcGIS Pro – The Road Ahead
ArcGIS Pro Roadmap

**Near-term**
- Utility Network
- Attribute Rules
- Reports
- Layout Tables
- Full Motion Video
- Stereo Mapping
- Oblique Imagery
- Interactive 3D Analysis
- Real Time Streaming
- Offline Web Maps & Layers
- SAP HANA
- New Extensions

**Mid-term**
- Parcel Management
- Dimensions
- Exploratory Spatial Data Analysis
- Spell Check
- ModelBuilder if-Then-Else Branching Logic
- Metadata Enhancements
- New Extensions

**Long-term**
- Animated Symbols
- Presentations
- Offset Printing
- …

geonet.esri.com/community/gis/applications/arcgis-pro/blog

July 2017
ArcGIS Pro Roadmap

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• **Utility Network** – Next generation network management capabilities for Utilities and Telecoms
• **Attribute Rules** – Validation rules for attributes
• **Reports** - Generate and share tabular and graphic reports from your GIS Data
• **Layout Tables** – Insert dynamic tables in page layouts
• **Full Motion Video** – Video integrated with your spatial data
• **Stereo** – View and collect features from stereo imagery
• **Oblique Imagery** – Improved user experience for oblique imagery
• **Interactive 3D analysis** – Visualize 3D line of sight, view sheds, and threat domes interactively
• **Real Time Streaming** - Visualize real-time data in 2D and 3D
• **Offline Web Maps and Layers** - View web maps and edit feature layers when disconnected
• **SAP HANA**– New geodatabase support
• **Table Statistics** - Get histogram and numeric statistics for columns in your Table view

**Enhanced capabilities in the following areas:**
• **SDK** - Ongoing updates and new APIs for the .NET SDK
• **Representations** – Adding support for overrides that allow you to store an alternate symbol or geometry for features
• **Spatial Adjustments** - Feature level editing-based workflow
• **Topology** - Ability to create and manage topologies

• **New Extensions** - Publisher, Business Analyst, Esri Production Mapping
ArcGIS Pro Roadmap

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- Spell Check
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• **Metadata Enhancements**
• New Extensions
Mid-term

- **Parcel Management** - The next generation of the parcel fabric will introduce 2D/3D editing capabilities and a simpler, more efficient approach for parcel maintenance across the platform.
- **Dimensions** - Create, manage, and edit dimensions in an updated format for the ArcGIS Platform
- **Exploratory Spatial Data Analysis** - Ability to create charts to explore spatial data for comparing distributions between datasets and/or “normal distributions” and examine data for the presence and direction of trends.
- **Spell Check** – Spell check for text throughout the application
- **ModelBuilder if-Then-Else Branching Logic** – Build logic into your models that test conditional statements to determine how a model should proceed.
- **Metadata Enhancements** – Support majority of metadata functionality
- **New Extensions** - Aviation: Charting

Long-term

- **Animated Symbols** - Scientific temporal visualizations
- **Offset Printing** - For high quality printed map products
- **Presentations** - Create and share presentations
- **New Extensions:**
  
  Maritime: Charting and Bathymetry
  Roads and Highways
ArcGIS Pro Roadmap

Long-term

- Animated Symbols
- Presentations
- Offset Printing
- ...

[Image of Earth with swirling patterns]
ArcGIS Pro Industry Focused Extensions

**New Extensions**

**2017**
- Business Analyst
- Image Analyst
- Publisher
- Aviation: Airports
- Defense Mapping
- Production Mapping

**2018**
- Aviation: Charting
- Maritime: Bathymetry & Charting
- Roads and Highways
The Next Generation of Parcel Management
What is your added value from services?

- Service Oriented Architecture (REST API) → Pro, mobile, web apps
- Simple feature classes
- Pro is the premium client
- Efficient, easy to adopt, easy to use
- Built in quality management: detect errors → provide fixes
- Easy upgrade process from ‘Parcel Fabric for ArcMap’
- More …