

ArcGIS Desktop

The applications

ArcGIS Pro



ArcMap



ArcCatalog ArcScene ArcGlobe

ArcGIS Desktop | Professional GIS



ArcGIS Pro 2.0

Improvements

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

New

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

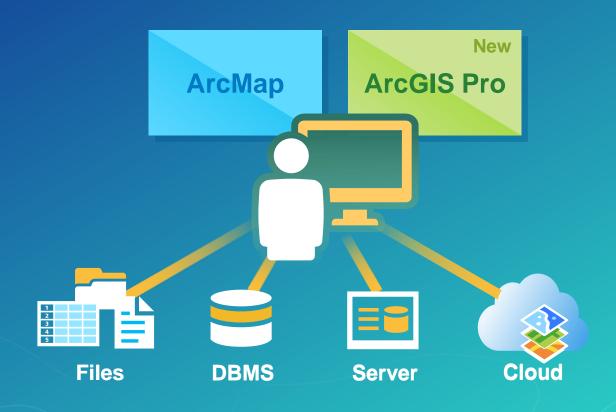
Coming

- 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



Files

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



Desktop Product Life Cycle

Migrating to ArcGIS Pro

Getting Started With ArcGIS Pro

Migration Setup Download and Install Take inventory Sign-in and Authorize • Create, connect, import Analyze results Get Updates Set Display Language Consult resources

Resources

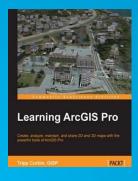
- Tutorials
- Terminology Guide
- Supported data types and items
- Virtual Campus

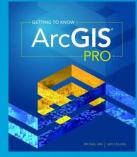
ArcGIS Pro Resources

Video Tour



Publications





ArcGIS Pro Help

Quick-start tutorials

Migrate content

Navigate your data

Symbolize your data

Label your map

Editing features
 Creating a scene

Learn ArcGIS

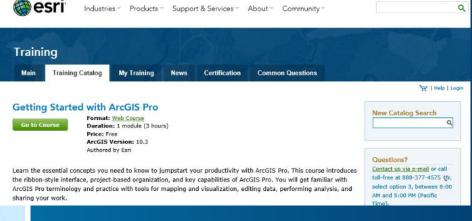


Terminology Guide





Getting Started with ArcGIS Pro

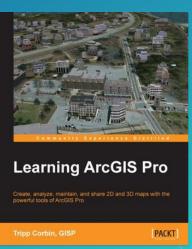


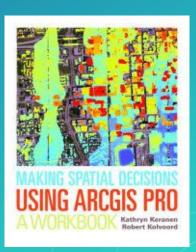
Responding to your education and training requests

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.

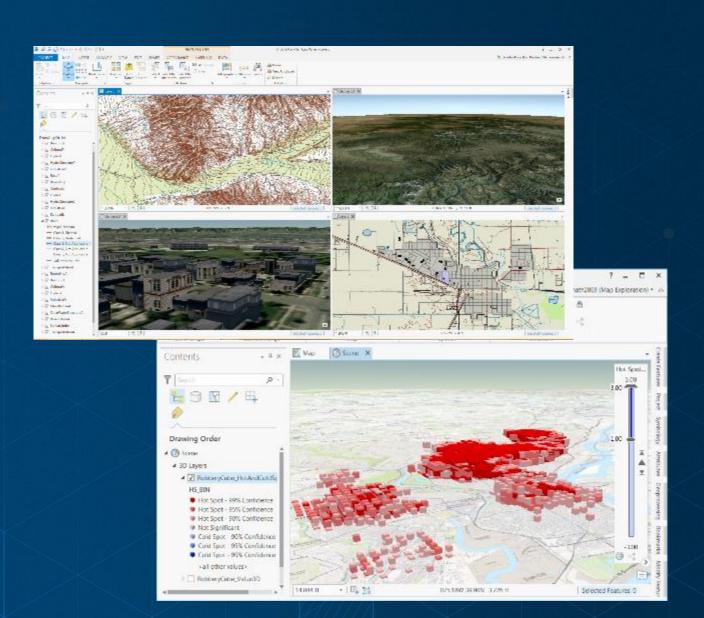
Search ArcGIS Pro Help

Version: 2.0 (June 2017) System requirements

Download & install What's new in 2.0 Release notes FAQ

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

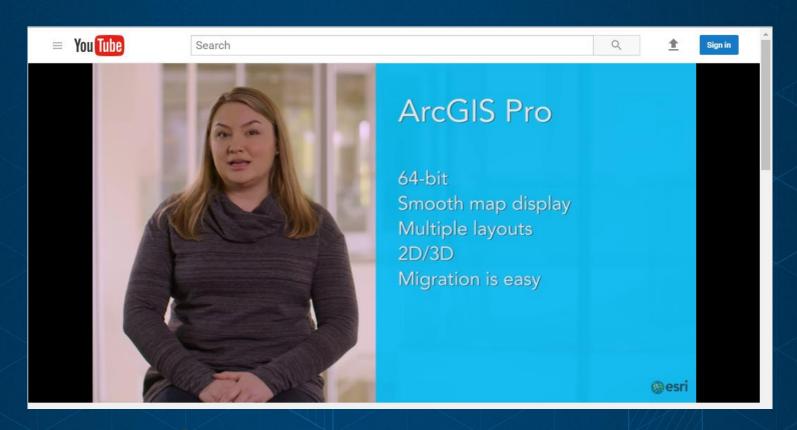


Why migrate to Pro?

- 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

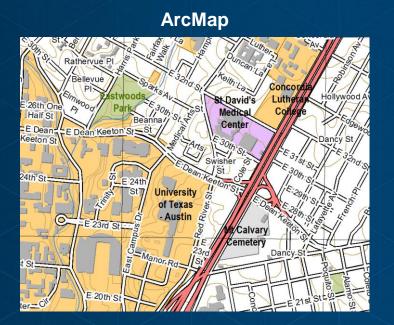
Getting started

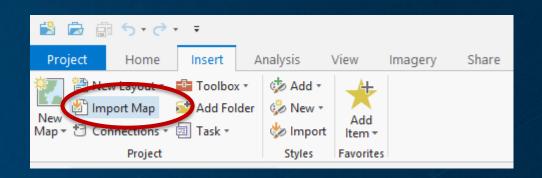
Know before you Pro series



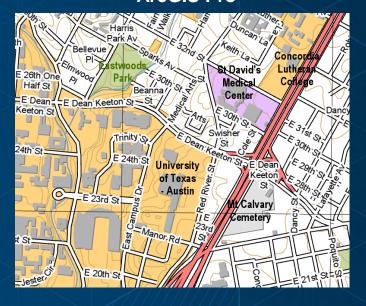
Import your maps, scenes and globes

- Import .mxd, .sxd, and .3dd files
- What imports?
 - maps, layouts, symbology, styles, scenes, models
- Maps look the same



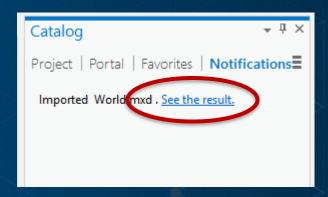


ArcGIS Pro



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



Import results for World.mxd								
The following messages were produced when this map or scene was imported: C:\Users\davidw\Desktop\World.mxd								
Message Name	Туре	Severity	Code	Description	Component Name	Component Type		
		A 4 12	20020	OLF ability and a state of a state of the st	M/= alal	Laurana		
	Warning	Medium	20039	OLE objects are not supported and were dropped from the layout.	World	Layout		
	Warning	Medium	20039	OLE objects are not supported and were dropped from the layout.	world	Layout		

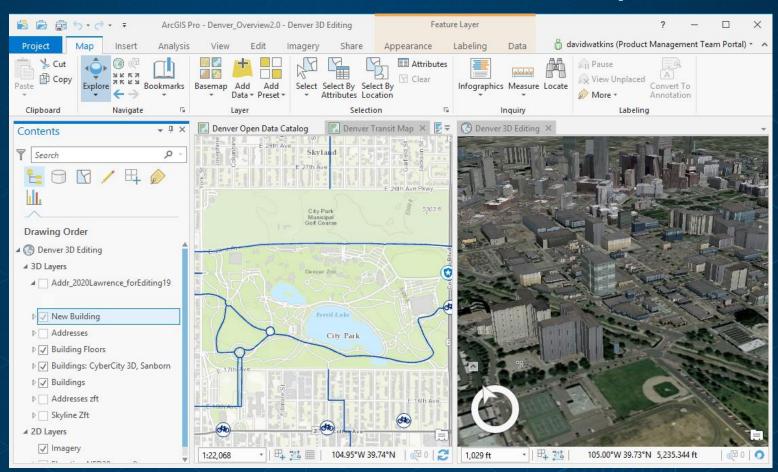
Terminology

ArcGIS Pro Terminology Guide

ArcMap	ArcGIS	Pro
Data View	Map View	
Data Frame	Map Frame	
Active Data Frame	Active View	
Globe, Local Scene	Scene	
Data Driven Pages	Map Series	ArcGIS Pro
Find tool	Locate tool	Terminology Guide
Create Folder Connection	Add Folder	
Marker Symbol	Point Symbol	The second secon
Fill Symbol	Polygon Symbol	
		esri

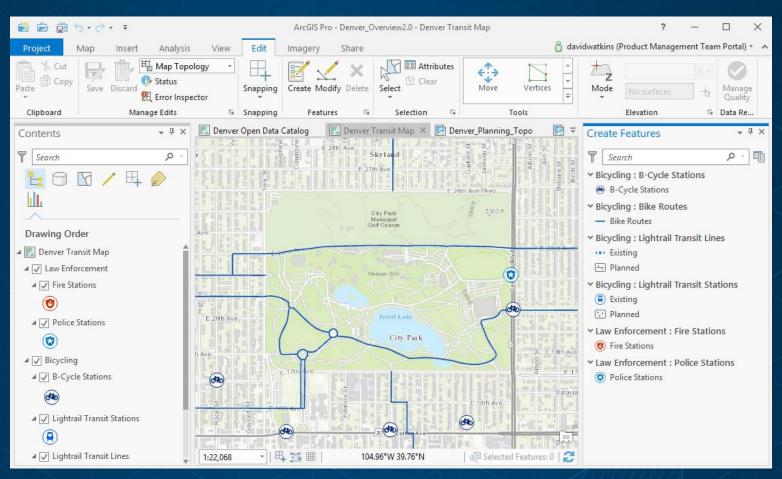
Familiar but new and improved

Ribbon contextual user interface and multiple views



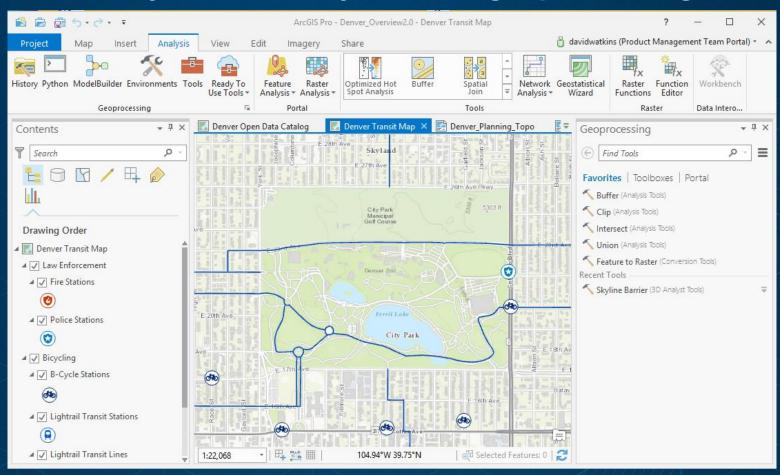
Familiar but new and improved

"What do you mean, I don't have to start editing?"



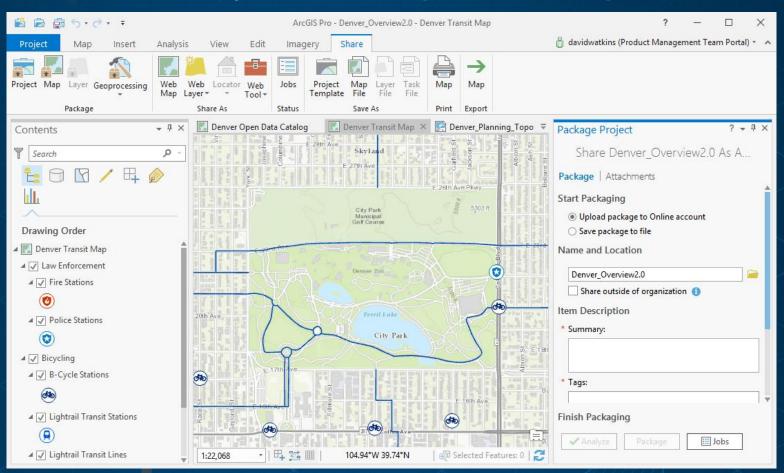
Familiar but new and improved

Analysis is where you'll find geoprocessing



Familiar but new and improved

Share and really use the full power of the platform

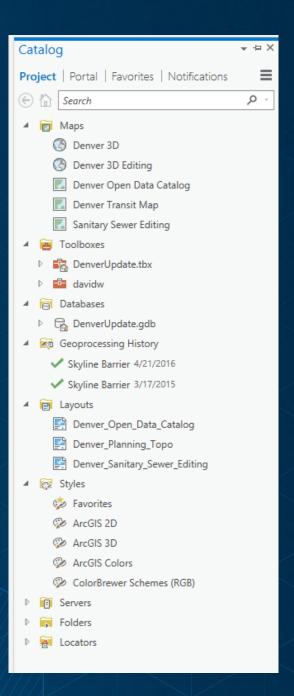


Working with Projects

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

All can be easily packaged and shared

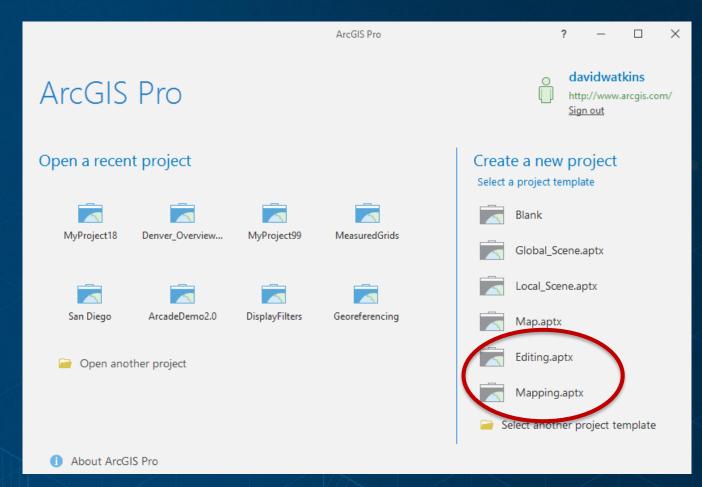
How should I organize my work moving forward?



Project Templates

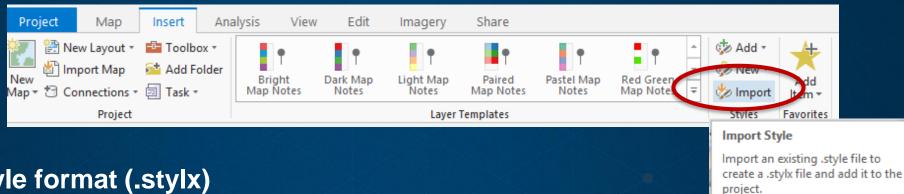
In Pro there is no normal.mxt

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

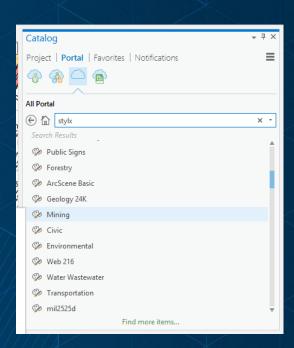


Your templates show up in the start experience

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

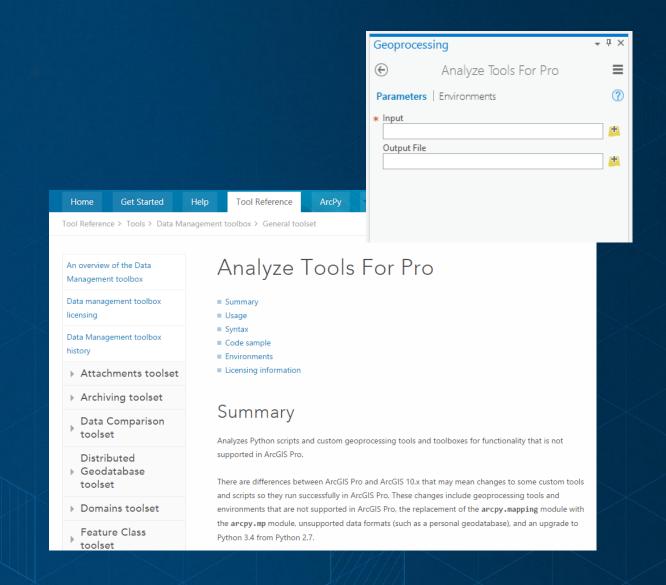


Analyze Tools for Pro

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

Put your Ideas in Motion



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:

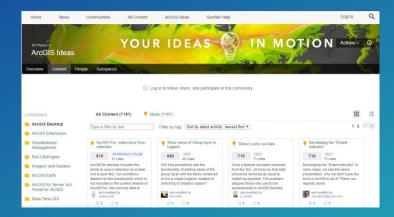
- Run more than one instance of ArcGIS Pro
- Saving Service and SDE Connection in ArcGIS Pro
- Grid and Graticules
- PRename Shapefiles (better data-management) in ArcGIS Pro (1.4)
- Make Enterprise GDB Connections User-Wide for ArcGIS Pro
- 9 Using a Web Feature Service (WFS) without converting it to 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
- PArcGIS Pro Extract Data tool polygon input as in ArcMap
- PArcGIS Pro: Allow connection to .sde files in folders

2 Desktop ideas have been moved to In Product Plan:

- Prag & Drop Data into ArcGIS Pro
- PAdd 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



Ideas.ArcGIS.com





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)

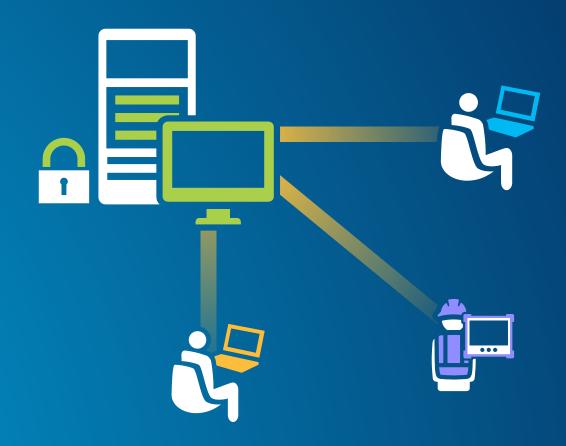
Single Use

- Perpetual or Term
- Locked to your machine
- Online or Offline
- Secure

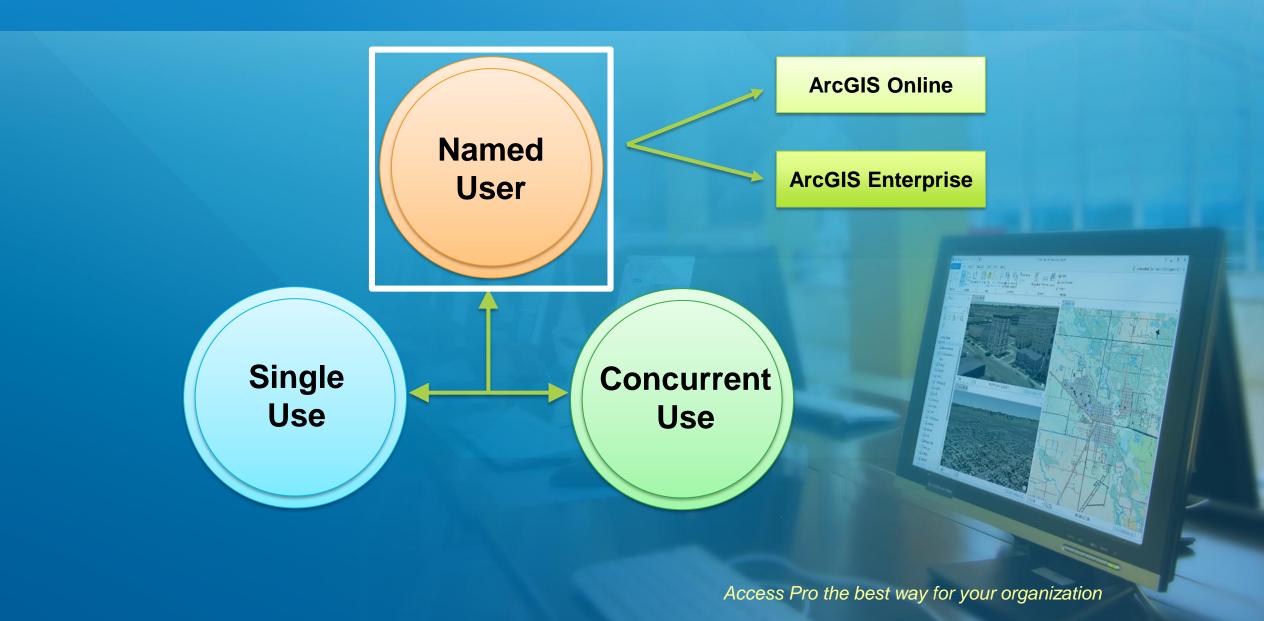


Concurrent Use

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



Available for existing Concurrent Use customers



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

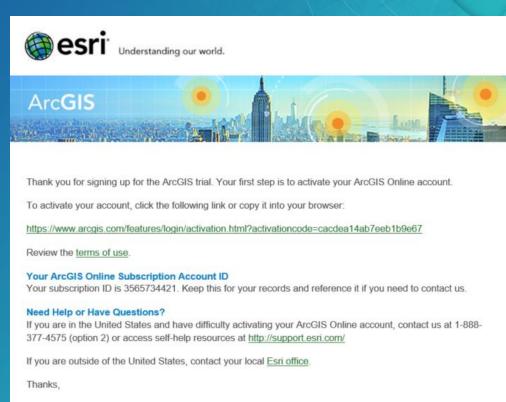
Named User licenses are managed through organization accounts (not public accounts)

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

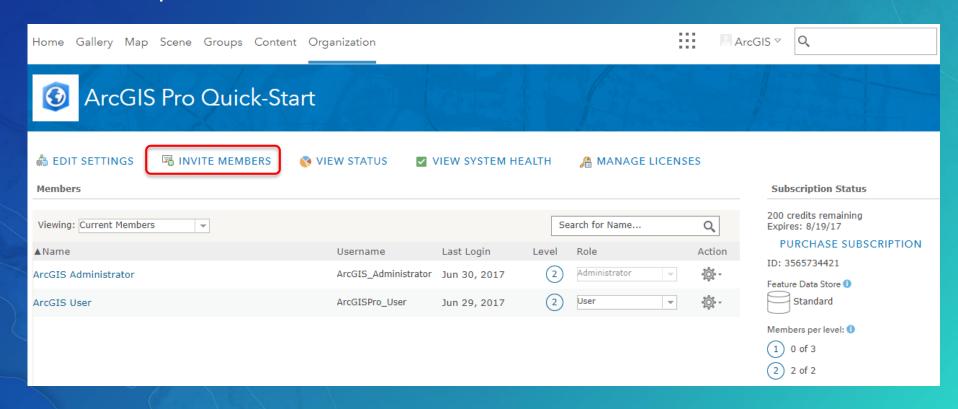


Your Esri Customer Service Team

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 Release Timeline



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

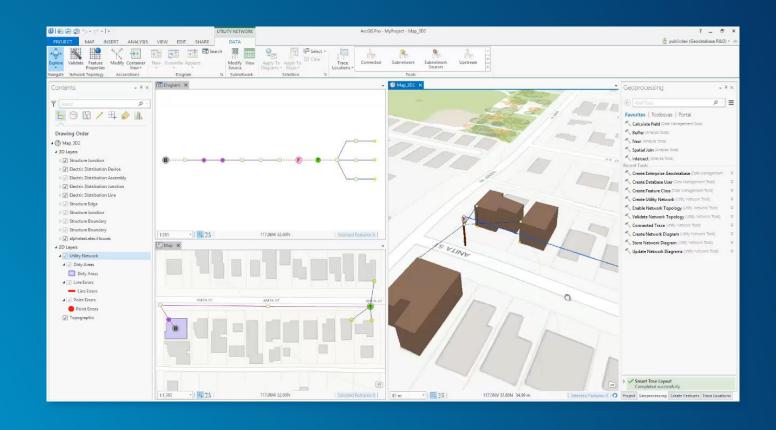
Mid-term

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

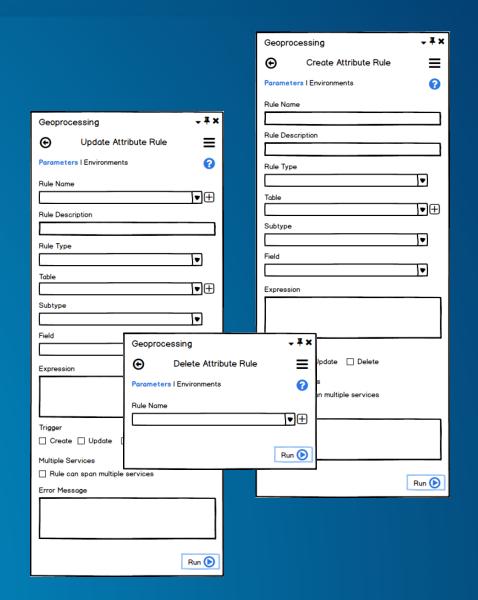
Long-term

- Animated Symbols
- Presentations
- Offset Printing
-

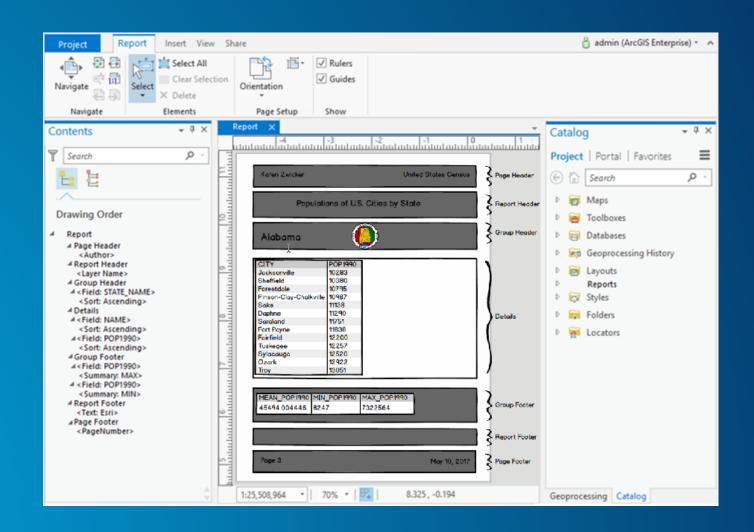
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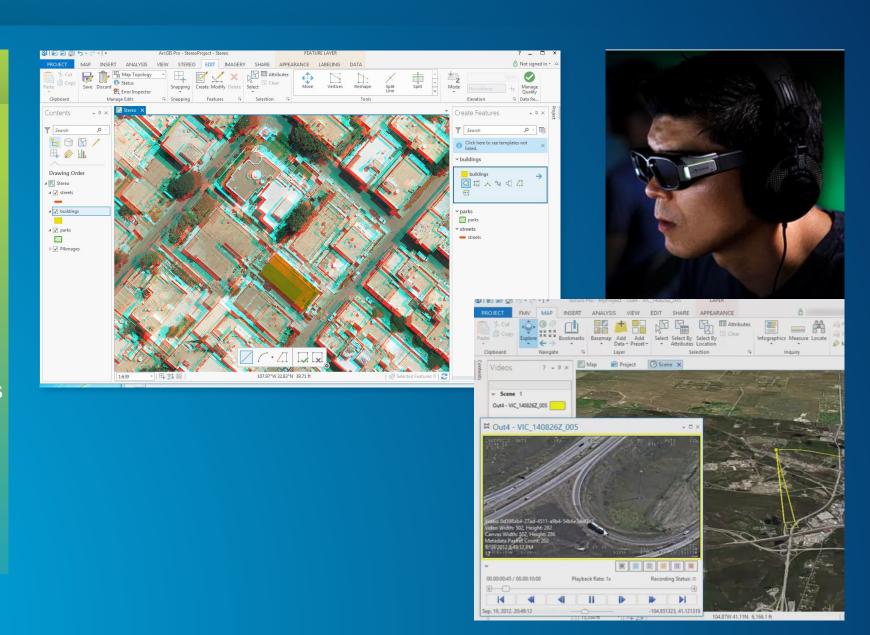
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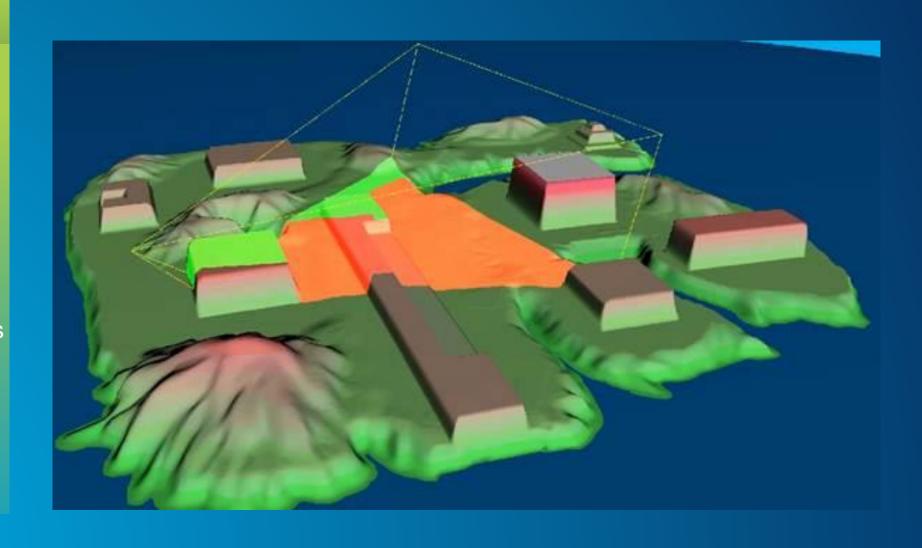
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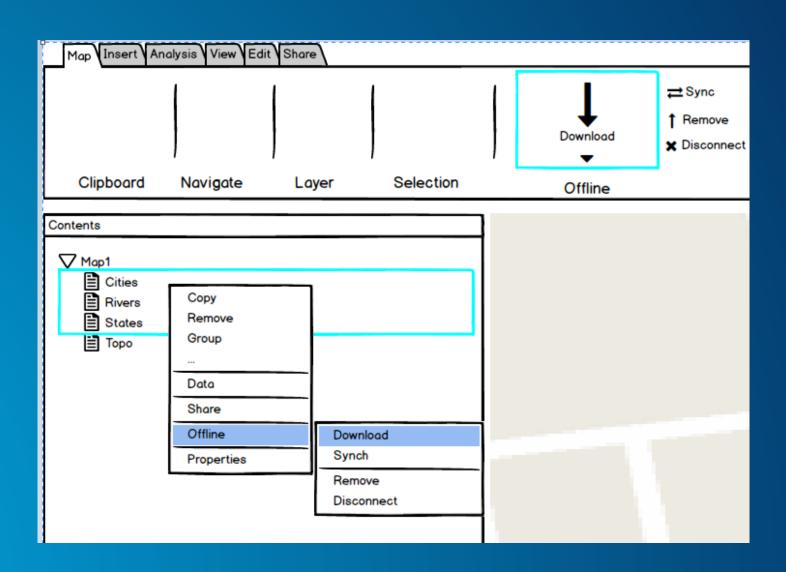
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Near

- 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

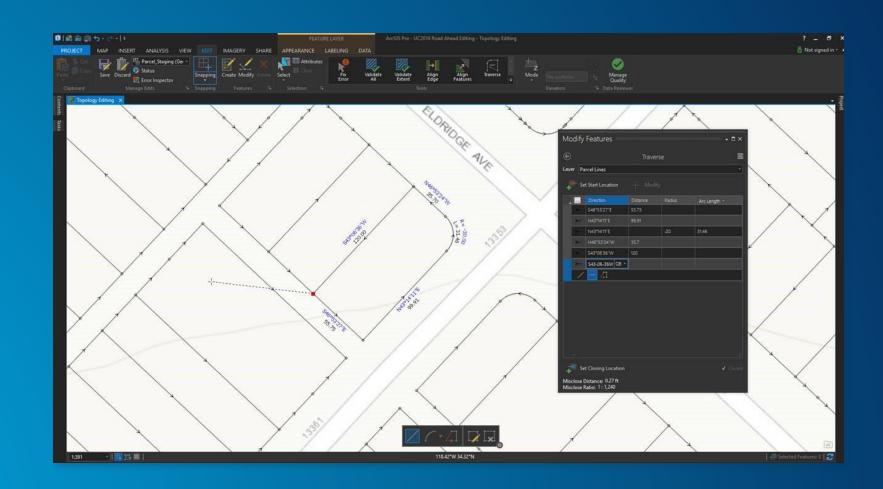
 New geodatabase support
- Table Statistics Get histogram and numeric statistics for columns in your Table view
- Enhanced capabilities in the following areas:
 - SDK Ongoing updates and new APIs for the .NET SDK
 - Representations Adding support for overrides that allow you to store an alternate symbol 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

Mid-term

- Parcel Management
- Dimensions
- Exploratory Spatial Data Analysis
- Spell Check
- ModelBuilder If-Then-Else Branching Logic
- MetadataEnhancements
- New Extensions

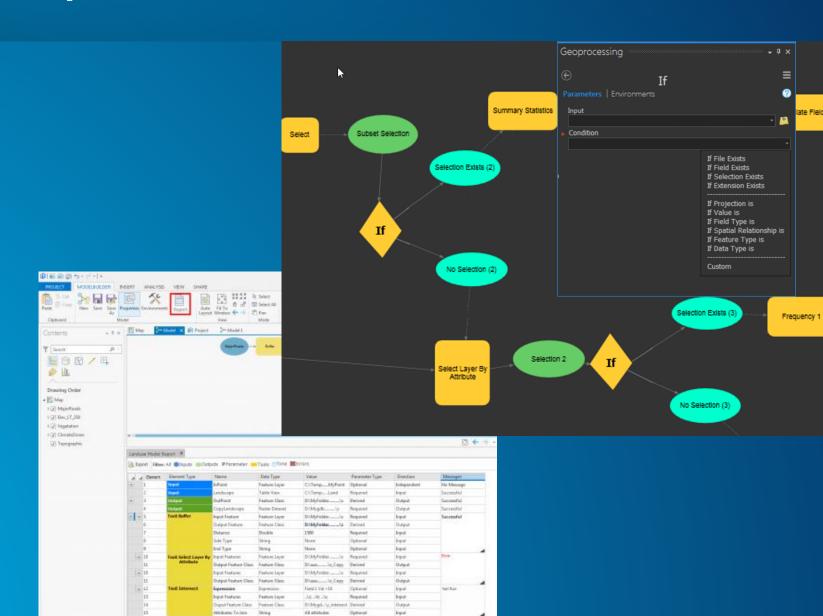
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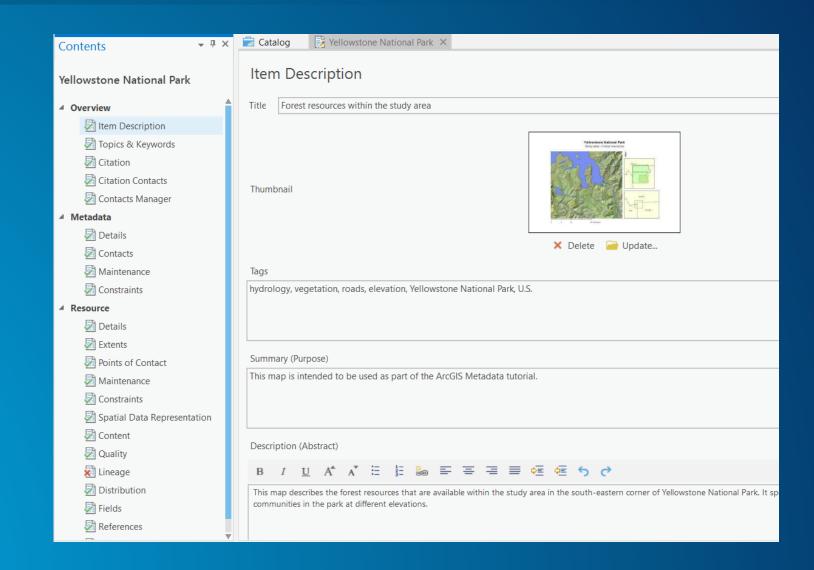
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Bird Frequen Year

Mid-term

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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

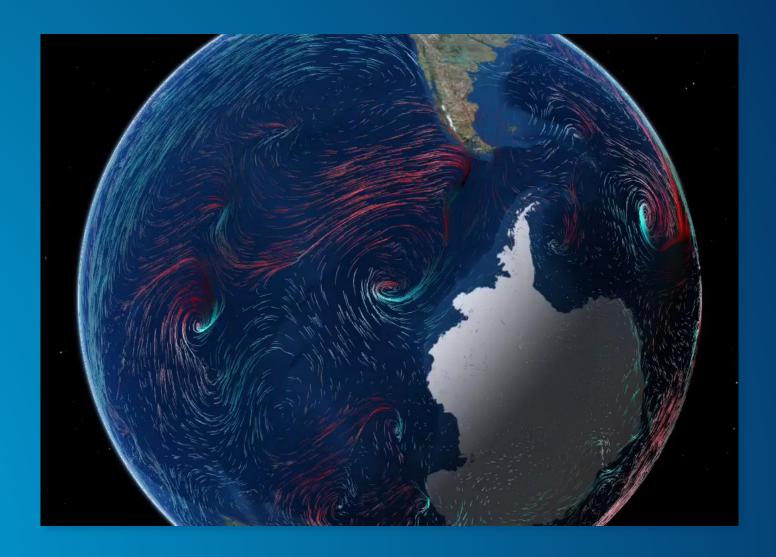
- Animated Symbols Scientific temporal visualizations
- Offset Printing For high quality printed map products
- Presentations Create and share presentations
- New Extensions:

Maritime: Charting and Bathymetry Roads and Highways

Long-term

- Animated Symbols
- Presentations
- Offset Printing

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ArcGIS Pro Industry Focused Extensions

New Extensions

2017

2018

Business Analyst

Image Analyst

Publisher

Aviation: Airports

Defense Mapping

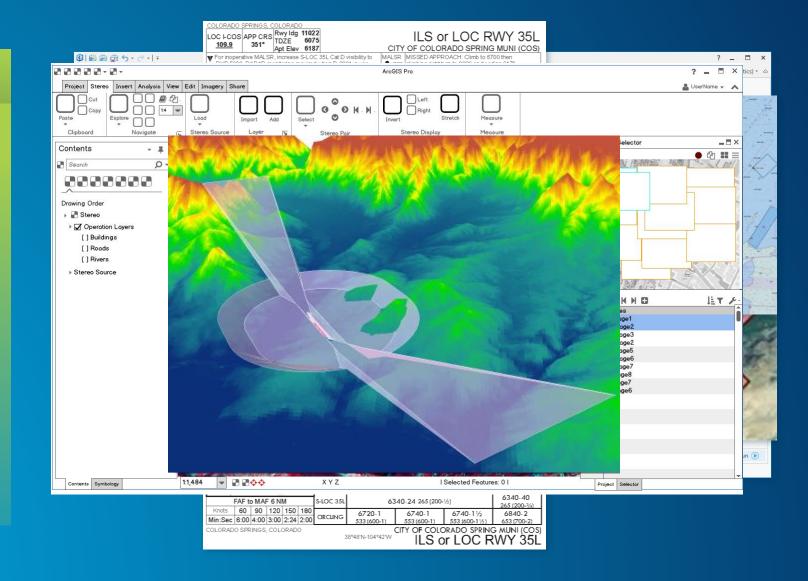
Production Mapping

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

