ArcGIS Desktop

ArcMap
ArcCatalog
ArcScene
ArcGlobe

ArcGIS Pro

Desktop
Web
Device

Portal

Server
Online Content and Services
ArcGIS Pro

- 64-bit multi-threaded application
- Contextual user interface
- Closer integration with the platform
- Combined 2D/3D experience
- Multiple maps and layouts
- All the analysis tools
- Simple search and query
The user interface is new

- Contextual
- Intuitive
- Project-based
- Map focused
- Integrated
Fusion of Applications

ArcMap / ArcCatalog

ArcGlobe / ArcScene

CityEngine
Overview of ArcGIS Pro

Katie White
What can I do with ArcGIS Pro?
Analysis

- Analysis ribbon
- All analysis tools from ArcMap
- Interactive analysis tools
- Geoprocessing pane
- ModelBuilder
- Python window
- Network Analysis
- Geostatistical Wizard
- Image and Raster Analysis
Analysis in ArcGIS Pro

Katie White
Editing

- 2D and 3D editing
- Simplified edit sessions
- Edit shapefiles
- Edit file & enterprise GDBs
- Group templates
- GDB & Map topology
- CAD like editing experience
Editing in ArcGIS Pro

Katie White
Mapping & Visualization

- Improved drawing performance and quality
- Multiple layouts
- Unified symbol model
- Transparency
- 3D cartography
- Map series
- Reports
- Animation
Mapping in ArcGIS Pro
Katie White
Sharing

- Web maps and 3D web scenes
- Map and layer packages
- Project packages
- Map & layout files
- Task files
- Print & export
- Symbology (*.stylx)
Common Questions
Is ArcGIS Pro a replacement for ArcMap?
Yes. We plan on releasing ArcMap 10.8 with ArcGIS 10.8 in 2020. While we will continue to release ArcMap, our development and innovation focus is on ArcGIS Pro. After 10.8, our support for ArcMap will be limited to providing patches, updates, and new environment certifications based on the established ArcGIS Desktop Product Life Cycle. There will be little new functionality in each release, and we encourage our users to move to ArcGIS Pro as soon as they are able to complete their workflows.
How do I get started with ArcGIS Pro?
Import existing maps, scenes, and globes

• What will import?
  - .mxd, .sxd, .3dd files
  - Maps, layouts, symbology, scenes, and models
  - Map packages (.mpk, .mpkx)

• Results will look the same
How is ArcGIS Pro licensed?
Any way you want

Becky

Named user

Single use

Concurrent use
Licensing Options

- **Concurrent Use at 2.4**
  - Install ArcGIS License Manager 2019.0 or later
  - Update license file
- **Single Use**
  - Locked to a single machine
Can ArcGIS Pro be virtualized?
On-Premises Virtualization

- Citrix
  - Virtual Apps & Desktops
- Microsoft
  - Hyper-V VDI
- Nutanix
  - AHV
- VMWare
  - Horizon
Cloud Virtualization

Amazon Web Services (AWS)
- Workspaces
- AppStream 2.0
- EC2 with Elastic Graphics

- Microsoft Azure
- NV Series VM
- NC Series VM

- Google Drive Platform
Can I customize ArcGIS Pro?
Customizable

- Use
- Configure
- Automate
- Extend

Customize the Ribbon

Tasks

- Write Output Directions to text file
- Create a Web Layer from Output_Directions

Parameters | Environments
----------------------------------
Input Rows | Output Location
Input Columns | MEAN\(\text{Kuwait}\)
Input Table | Output Table

References:
- ArcGIS
- ArcGIS.Core
- ArcGIS.Desktop.Catalog
- ArcGIS.Desktop.Core
- ArcGIS.Desktop.Editing
- ArcGIS.Desktop.Extensions
- ArcGIS.Desktop.Framework
- ArcGIS.Desktop.Mapping
- ArcGIS.Desktop.Shared.Wpf
- Microsoft.CSharp
- PresentationCore

Python

```python
self.tools = [PythonTools(),]
```
What’s New at ArcGIS Pro 2.4?
ArcGIS Pro 2.4 Highlights

- Raster Pixel Editor
- Dynamic Feature Binning
- Parcel Editing Tools
- GeoAnalytics Desktop Parallel Processing
- Multipatch Editing
- ModelBuilder to Python script
- Profile Viewing
- Realistic Visualization
### ArcGIS Pro Roadmap

#### Near Term
- Offset Printing
- Replication Workflows
- Parcel Adjustment
- Voxel Layers
- Tie Point Manager
- Geoprocessing Leveraging Spatial Databases
- Python Notebooks
- Geoprocessing Scheduler
- Scripting Metadata
- Hydro Networks
- Create Network Dataset
- Multidimensional Raster Improvements
- Interactive Suitability Modeling

#### Mid-Term
- Projects in the Enterprise
- Animated Symbols
- Material Textures
- Multipatch Editing in Stereo
- Layer Blend Modes
- Presentations
- GPS Support
- Dynamic Feature Clustering
- Voxel Layer Sharing
- Map Graphics
- New Extensions

#### Long Term
- Terrain Editing
- 3D Mesh as ground
- High Fidelity rendering
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Scroll down to “Survey”.

Log in to access the survey.

Complete the survey and select “Submit”.

We need your feedback to improve our events. Log in to take surveys and share your feedback on the event, presenters, and sessions.
## See Us Here!

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<tr>
<th>WORKSHOP</th>
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<tr>
<td>• Hands-On Learning Lab</td>
<td>• Ground Level Exhibit Hall A</td>
<td>• Tues. &amp; Wed., 9 AM – 6 PM</td>
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<td>• ArcGIS Pro: Tips &amp; Tricks</td>
<td>• Ballroom 6A or 6B</td>
<td>• Thurs., 9 AM – 4 PM</td>
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<tr>
<td>• ArcGIS Pro: Migrating from ArcMap</td>
<td>• Room 1A/B or 6B</td>
<td>• Tuesday, 4 PM – 5 PM (6A)</td>
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<td>• ArcGIS Pro: Effective License</td>
<td>• Room 14B</td>
<td>• Wednesday, 1 PM – 2 PM (6B)</td>
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<td>Management</td>
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<td>• Wednesday, 2:30 PM – 3:30 PM (6B)</td>
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<td>• Friday, 9 AM – 10 AM (1A A/B)</td>
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<td></td>
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<td>• Thursday, 2:30 PM – 3:30 PM</td>
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Questions?