

Esri Petroleum Webinar Series – *What's New in ArcGIS Pro for Petroleum*

Q&A

March 8, 2018

1. When will ArcGIS Pro incorporate data driven pages?

Pro currently supports creating a series of layout pages from a single layout similar to DDP in ArcMap. But in Pro, the term Map Series is used instead to describe the functionality. Both use an index layer to define extents of the map frame.

<https://support.esri.com/en/technical-article/000015711>

2. Are you able to share some info on the update of Arcpy to support Python 3 and the integration of ArcGIS pro with available Geospatial analytics libraries of Python?

Pro exclusively uses Python 3 and integrates the Python package manager Conda for enhanced support. By default, Pro has a single conda environment which includes all Python libraries used by ArcGIS Pro as well as several others such as scipy and pandas.

<http://pro.arcgis.com/en/pro-app/arcpy/get-started/installing-python-for-arcgis-pro.htm>

3. What about Parcel Fabric Editing tools in ArcGIS Pro?

Parcel Fabric tools are currently not available in Pro, but continue to be available in ArcMap.

<http://pro.arcgis.com/en/pro-app/tool-reference/appendices/unavailable-tools.htm>

4. What is the future of upcoming UPDM 2018 and integration with APR and Pro?

The primary focus of change for UPDM 2018 is supporting the new Utility Network data management requirements.

This change combined with the enhancements the APR team is working on for the summer and winter releases, are setting up the ability for pipeline companies to be able to manage their linear referencing data and be able to trace across this same data. Valve isolation tracing and CP tracing will soon be a possibility for our pipeline customers.

5. Can a 3D Scene (shown earlier) with 3D mesh objects be published to portal to be viewed in a 3D map scene from a browser?

Yes, you can author a 3D scene in Pro and share it to Portal as a web scene. Line and polygon layers will be shared as feature layers, raster layers will be shared as web tile layers, and point/multipatch layers will be shared as scene layers. Custom styles can also be shared if they contain valid symbols. Description of a valid symbol can be found [here](#).

<http://pro.arcgis.com/en/pro-app/help/sharing/overview/share-a-web-scene.htm>

- 6. Will Arc Pro be able to open more than one arc pro session at a time? for example if you need to open an overall assets map and then use that layer in a zoom in project.**

Yes, you can have several instances of Pro open simultaneously.

- 7. Should end users attempt their own data and plugin migrations to Pro, or should they seek help from Esri or partners?**

There are plenty of online resources available for those interested in migrating data and extensions from ArcMap to Pro. If you have any questions, you can always reach out to Esri Tech Support, your Esri Account Manager, or a Partner Representative.

- 8. Is there ESRI training for Advanced, Seasoned ArcMap users who are trying to transition their organization workflows and maps into Pro?**

Yes, there are training options that focus on transitioning workflows, content, and users from ArcMap to Pro. You can reach out to your Esri Account Manager or go to esri.com/training for more information.

- 9. When making layers from selected features - is this like it is currently in ArcGIS desktop where you lose any other records in that feature class without being able to retrieve them? Is there a way to tell if a layer is a selected subset after making a layer based on selection?**

When you make a layer from selected features, this adds a new layer in the map or scene with the same data source, but referencing only the features that were selected. This does not save the layer as a new feature class, it just creates a new layer within the Pro project. The selection layer will have the word "selection" appended to the end of the layer name.

<http://pro.arcgis.com/en/pro-app/help/mapping/layer-properties/selection-layers.htm>

- 10. When will the functionality to render chart symbols be available in Pro?**

The ability to symbolize feature quantities using charts is currently being addressed by the product team and will hopefully be addressed in an upcoming release.

There are other ways to visualize your data using charts - you can configure popups to include charts, use the interactive infographics tool, and create charts from layers.

- 11. Do the scale based symbology and labels translate when published to ArcGIS Online or Portal?**

Yes, scale based symbol classes and labeling are supported in feature layers.

- 12. Is it possible to export the various charts into jpeg, ai, tiff or other format?**

Yes, there is an export option within the chart window that will allow you to export the chart as a graphics file (SVG, PNG, JPG).

13. Can link charts and maps be published to Insights as cards?

Charts and maps in Pro cannot be imported into Insights. However, you can publish the data you are visualizing in Pro to a Portal. The feature layers from your Portal can then be added to Insights.

<https://doc.arcgis.com/en/insights/enterprise/latest/create/publish-data-from-pro.htm>

14. In ArcGIS Pro, how can one add Oil & Gas symbols/symbology?

The 2012 standard Shell symbology style file can be downloaded from ArcGIS Online and added as a style to ArcGIS Pro. We hope to have the symbology updated to the 2016 version and pushed out soon.

15. Can you publish map and feature services from ArcGIS Pro to an ArcGIS Server that is not federated with Portal?

Pro does not support publishing services to a stand-alone ArcGIS Server. Instead, you can use Pro to publish services to a Portal that is federated with a Server. This will create an item in the Portal and a service on the ArcGIS Server site.

16. What should be the optimal system requirement to run ArcGIS Pro smoothly?

A list of the ArcGIS Pro 2.1 system requirements can be found in the online documentation.

<http://pro.arcgis.com/en/pro-app/get-started/arcgis-pro-system-requirements.htm>

17. Are there plans to update the "Getting to Know ArcGIS Pro" book anytime soon?

The latest version of the book can be found on the [Esri Press](#) website. However, with every new release the best place to find the most up-to-date information about Pro is the [online documentation](#) site. There is also a variety of training resources that will help you get familiar with Pro. Reach out to your Esri Account Manager or go to esri.com/training for more information.

18. What is the current uptake of ARCGIS pro within the client base, specifically energy, and how do you expect this to change going forward?

There has been a strong base of early adopters in the energy sector over the last year. We see more and more users transitioning to Pro every day, especially with partners and 3rd party solutions adopting Pro as well.

19. Any chance to incorporate analytics or BI software like Tableau in an extension or tool?

Yes - the many analytics capabilities are being integrated - and there are new apps like Analytics being developed fast. Integration with external apps like Tableau is specific to those apps and tools.

20. Is the intention for ArcGIS Pro to replace ArcGIS Desktop?

ArcGIS Desktop will continue to be supported but all the development and new functionality will be focused on Pro.

21. How will ArcGIS pro handle third party add-ins? Are we able to import customs tools and scripts that we can add as buttons to the ribbon?

The Add-in Manager page in pro is where you can manage add-ins that are developed with the ArcGIS Pro SDK for Microsoft .NET.

You can create new tabs on the ribbon, add groups to those tabs, and specify which buttons appear on the tabs.

<http://pro.arcgis.com/en/pro-app/get-started/manage-add-ins.htm>

<http://pro.arcgis.com/en/pro-app/get-started/customize-the-ribbon.htm>

22. When will the ability to publish a map service from Pro to a specified AGS service folder be available in Pro?

You can publish a map from Pro to one of your Portal's federated servers. The type of services you publish determine where the service is stored on the server. A map image or imagery layer will be published to the root folder, while a tile layer, feature layer, or scene layer will be published to the hosted folder on the hosting server.

<https://enterprise.arcgis.com/en/portal/latest/use/publish-to-federated-servers.htm>

23. Is it possible to test ArcGIS pro?

Yes, if you have an ArcGIS Desktop license and are current on maintenance, you already have access to ArcGIS Pro. Go to My Esri to download and get started. If not, you can register for a free trial here

<https://www.esri.com/en-us/arcgis/products/arcgis-pro/trial>

24. Can you run Network Analyst in AGOL or Portal?

Yes, there is a set of analysis tools in both AGOL and Portal that will allow you to perform network analysis. They can be found in the "Use Proximity" category under Analysis Tools and require a Level 2 user to run.

<https://doc.arcgis.com/en/arcgis-online/analyze/use-analysis-tools.htm>

25. Can we install ArcGIS Pro in the cloud? How efficiently does it run in cloud?

Yes, Pro can be installed in virtualized environment in the cloud or on-premise. If configured properly, it can perform just as well as it does on a desktop machine. Things to consider when setting up a virtual environment include CPU, RAM, and GPU.

<http://pro.arcgis.com/en/pro-app/get-started/virtualization-overview.htm>

26. Can we import ArcGIS Pro Maps in ArcMap?

Pro uses a different file structure than ArcMap. The file structure is called a project and has a .aprx extension, different from a map document and the .mxd extension that is used in ArcMap. You cannot open a Pro project in ArcMap.

27. Is it possible to use CAD files In ArcGIS Pro?

Pro accepts data generated by AutoCAD and Microstation-based applications.

<http://pro.arcgis.com/en/pro-app/help/data/cad/cad-data-in-arcgis-pro.htm>

28. How is the support for third party tools like XTools Pro, FME?

It would be best to consult the 3rd party tool provider for information on integration and compatibility with ArcGIS Pro.

Questions for Exprodat:

29. What Arc Objects SDK did you migrate from? (for Exprodat)

We migrated from ArcObjects SDK 10.0.

30. Can Exploration Analyst produce Critical Risk Factor Maps? i.e. Identify the specific risk element that is making a specific area of higher risk?

Yes, this is produced as an optional output when creating a "final" common risk segment map, although I didn't highlight this in the demo.

31. What's a good source of paleogeographies for use in Exploration Analyst?

There are lots of sources of free data (e.g. the Living Atlas from Esri) as well as many third party subscription data products, such as Globe by Getech (www.getech.com/Globe) which has paleogeographies for 57 stratigraphic stages from present day to Permian.

32. Can Exploration Analyst handle split risk scenarios, i.e. prospect and play risk?

Yes, this is handled throughout the software workflow, from Risk Segment Maps through to estimating Yet-to-find using Monte-Carlo simulations.

33. You showed some nice-looking graphs in the extension - are you able to export these to an image file or PowerPoint?

Yes, the data can be exported to images and CSV/Excel files.

34. What were the main challenges in migrating the code-base from ArcMap to Pro?

Probably the main challenges were learning MVVM and Windows WPF development patterns, and getting up to speed with asynchronous development using the new ArcGIS Pro SDK.