# ArcGIS Engine Runtime: End-Of-Life

Following Esri's decision to retire their ArcGIS Engine Runtime, we are transitioning all affected workflows in GeoGraphix to other compatible technologies.

#### Most GeoGraphix layers ARE NOT affected by this change.

Only layers created or imported using ArcGIS Engine Runtime are incompatible with GeoGraphix 2024.2 and must be converted to a compatible format.

# Area of Impact

One notable impact of the ArcGIS Engine Runtime deprecation is that Esri no longer provides a mechanism to read and write LYR files outside the ArcGIS Pro environment. This change affects certain layer types in GeoGraphix that rely on LYR files, including:

- ESRI ArcGIS CAD
- ESRI ArcGIS GIS
- ESRI ArcGIS Image
- ESRI ArcGIS IMS
- ESRI ArcGIS LYR
- ESRI ArcGIS SDE

- Field Planning
- Field Planning Tracts
- Fishbone
- Surface Hazard
- Subsurface Hazard

These layer types must be converted to a compatible format to remain usable in GeoGraphix.

Please note that most GeoGraphix layer types ARE NOT affected by these changes. LAYER TYPES NOT LISTED HERE WILL CONTINUE TO FUNCTION AS NORMAL.

### Background

To simplify workflows and streamline deployment for our users, GeoGraphix 2024.2 employs three main ways to replace ArcGIS Engine Runtime based workflows:

- 1. Rewrite in native GeoAtlas technology, eliminating any third-party dependency.
- 2. Transition to ArcGIS Maps SDK, packaged with GeoGraphix, simplifying deployment.
- 3. Move remaining unsupported workflows to a new GeoGraphix Add-In for ArcGIS Pro.

The diagram below shows details for all dependent workflows and how and where they will be available in version 2024.2.



## **Converting Incompatible Layers**

Layers based on the LYR format cannot be used with GeoGraphix version 2024.2 because they depend on the deprecated ArcGIS Engine Runtime. For a complete list of affected layers, please see the **Area of Impact** section.

The GeoGraphix Add-In for ArcGIS Pro is the easiest way to convert such layers to a compatible format. The add-in ships with the GeoGraphix installation and does not require a separate download. Please see the **Installation** section below for instructions on where to find and install the add-in.

# GeoGraphix Add-In for ArcGIS Pro

The GeoGraphix Add-In for ArcGIS Pro is designed to facilitate seamless integration between GeoGraphix and ArcGIS Pro. Built using Esri ArcGIS Pro SDK, its main purpose is to enable bidirectional data exchange between the two platforms.

The add-in also provides a utility to convert unsupported LYR based layers to a compatible format. This utility converts layers in bulk by AOI and will also automatically update all saved maps containing those layers.

GeoGraphix Add-In for ArcGIS Pro requires GeoGraphix 2024.2 and ArcGIS Pro version 3.4.

#### Installation

- 1. Download and install GeoGraphix 2024.2 from <u>www.gverse.com/downloads</u>.
- 2. Find GGXArcGISPro.esriAddinX in C:\Program Files (x86)\GeoGraphix\Plugins\.
- 3. Use the Esri ArcGIS Add-In Installation Utility in ArcGIS Pro to install the add-in.

4. A GeoGraphix tab appears in the ArcGIS Pro ribbon indicating a successful installation.

#### Access Batch Conversion Utility

- 1. Go to the GeoGraphix tab in the ArcGIS Pro ribbon.
- 2. Click on LYR Batch Converter to activate the utility.



#### Convert Layers to Compatible Format

- 1. Activate the GeoGraphix project with unsupported layers in ProjectExplorer.
- 2. Launch the LYR Batch Converter utility from the GeoGraphix ribbon in ArcGIS Pro.



- 3. Select one or more AOIs. The tool will convert all incompatible layers in selected AOIs.
- 4. Press OK to start conversion process.
- 5. All saved maps automatically updated with the new layers.
- 6. A log file is generated in the User Files folder in the active GeoGraphix project. The log contains all conversion details like selected AOIs, backup directory, date and time etc.
- 7. Original layers are backed up in a folder called "LYRBackup" in the active project. You can delete these backups after verifying a successful conversion.