ArcGIS Pro Installation and Authorization

Current Software Version:

3.5

- **Install file:** Obtain installation and patch files from the tribal primary GIS contact or from https://my.esri.com. MyEsri Credentials provided to tribal primary GIS contact for software download.

- **Provision file:** ArcGISPro_Advanced_SingleUse_XXXXXX.prvc (provided to tribal primary GIS contact)

  Note: Upgrading your software does not require new licensing. Installation of ArcGIS Pro will automatically upgrade your existing license. You will need to install the core software as well as any patches.

NOTE: It is highly suggested users use ESRI reference material. This document is being provided for reference only.

ESRI Installation Guides:
Installation guides along with other valuable information may be found here:
https://pro.arcgis.com/en/pro-app/latest/get-started/install-and-sign-in-to-arcgis-pro.htm

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Important:

Users with administrative rights can verify their computer meets ArcGIS Pro v3.5 System Requirements.

**ArcGIS Pro 3.5.X requires Microsoft .NET Desktop Runtime 8.0.4 or later (x64)

BIA Desktop techs can find a copy located at \\ia.doi.net\ocio\Application_Source\ArcGIS\ArcGISPro\v3.5 or the latest version may be found at https://dotnet.microsoft.com/en-us/download/dotnet/8.0.

When downloading the software from Microsoft ensure you are downloading .net Desktop Runtime (x64).

Note: Please verify ArcGIS Pro software is authorized when performing a clean install.
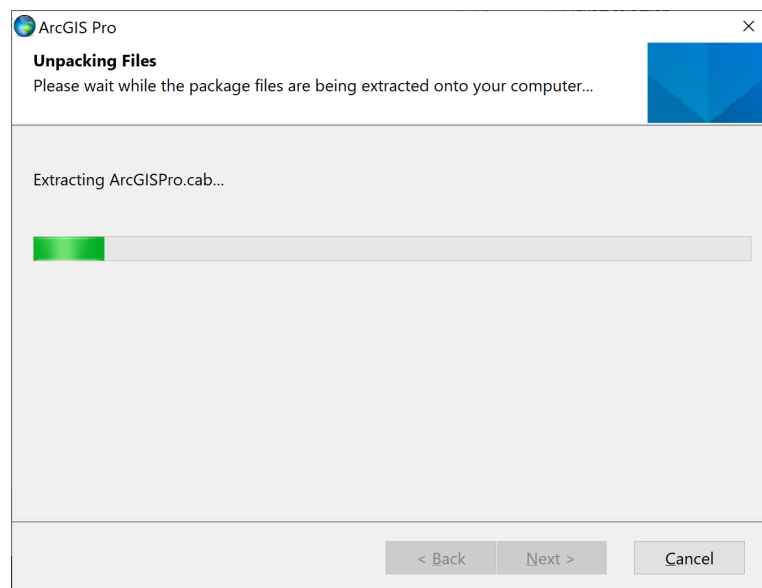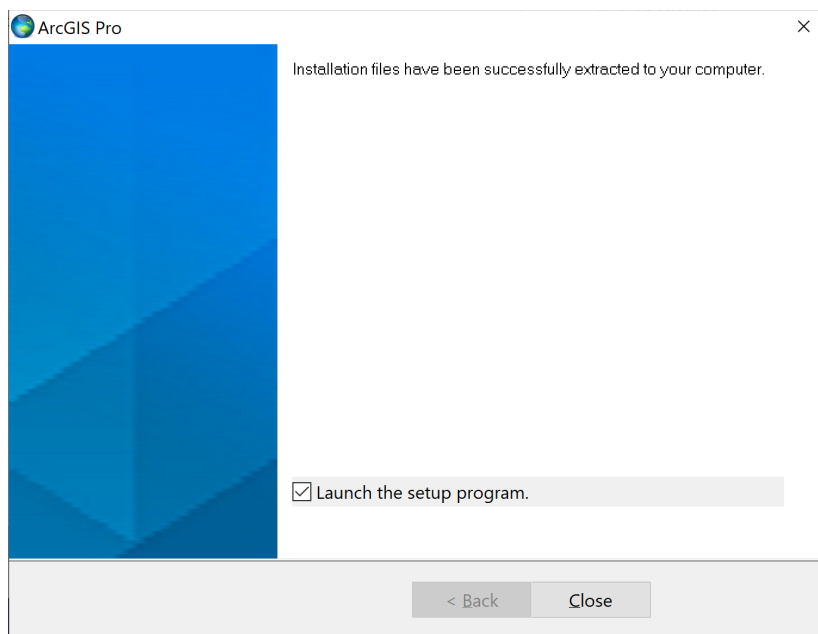
1. Extract ArcGIS Pro

1.1.   Copy the compressed file and provision file for the requested version from the network drive to the local computer.

1.2.   Double click the compressed file to extract ArcGIS Pro and launch the installation.

1.3.   Take note of the destination folder for files and click Next.
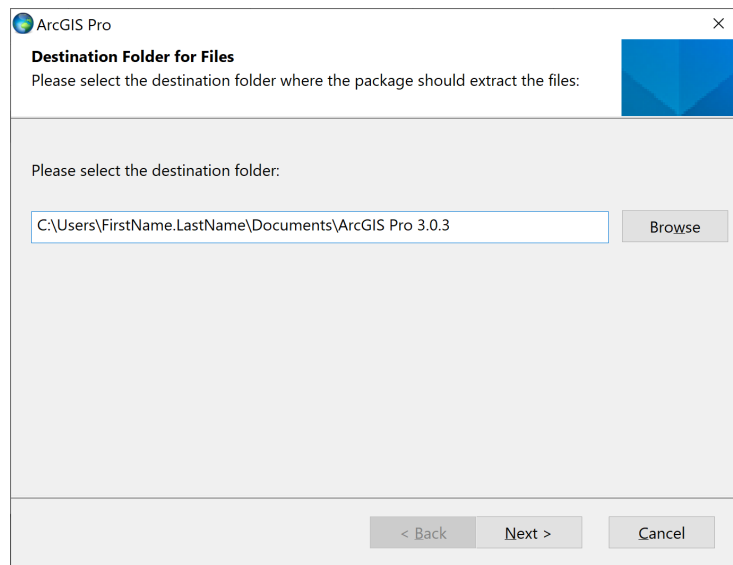
1.4.   ArcGIS Pro will Unpack files and transition to the next step.

1.5. Ensure the "Launch the setup Program" radio button is selected and click Close.
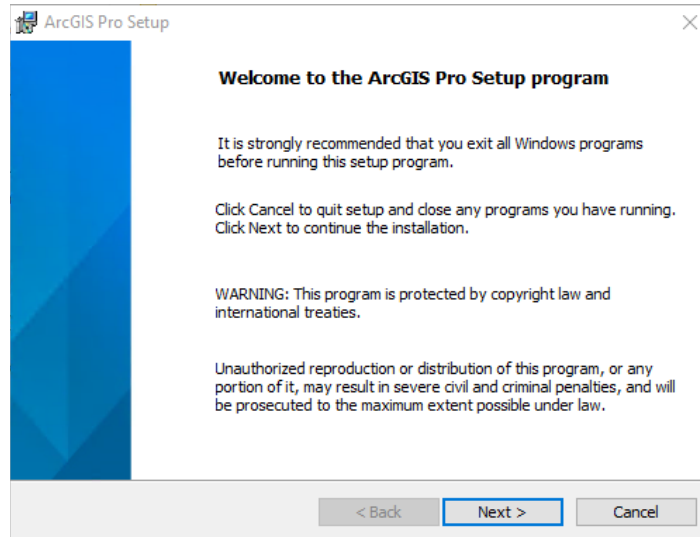

1.1. ArcGIS Pro Setup should start automatically. If ArcGIS Pro Setup starts automatically, click Next and skip to section 2.2.
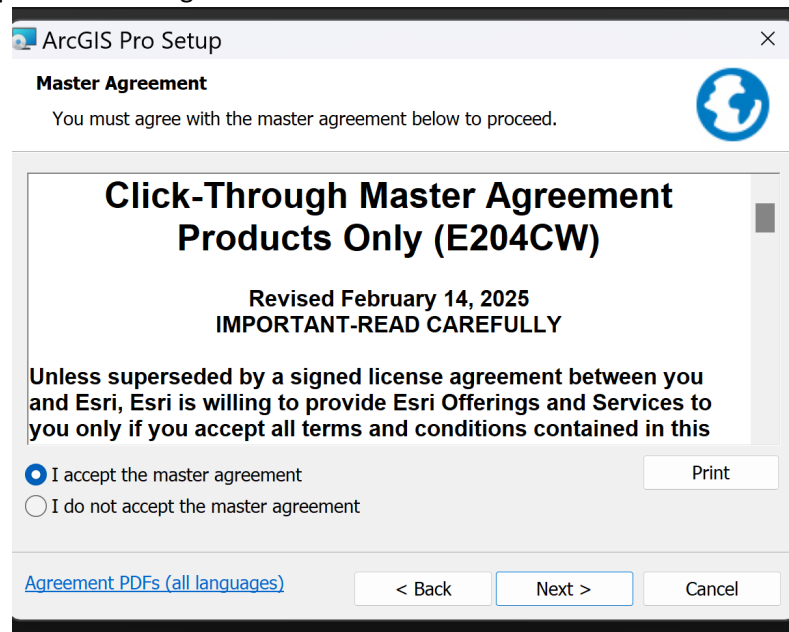
2. How to Install ArcGIS Pro

2.1. If ArcGIS Pro Setup did not start automatically after extraction, navigate to the path noted in Step 1.3.

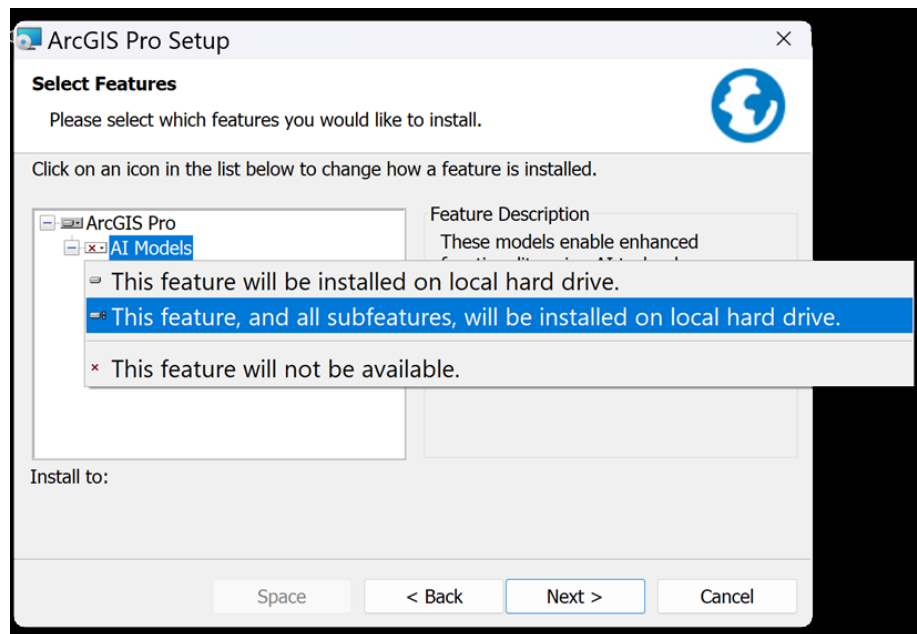2.2. Double click the ArcGISPro.msi file, the below dialog box will appear, click Next.

2.3. Select "I accept the master agreement" radio button and then click Next.

2.4.   Select the "Anyone who uses this computer (all users) radio button and click Next.
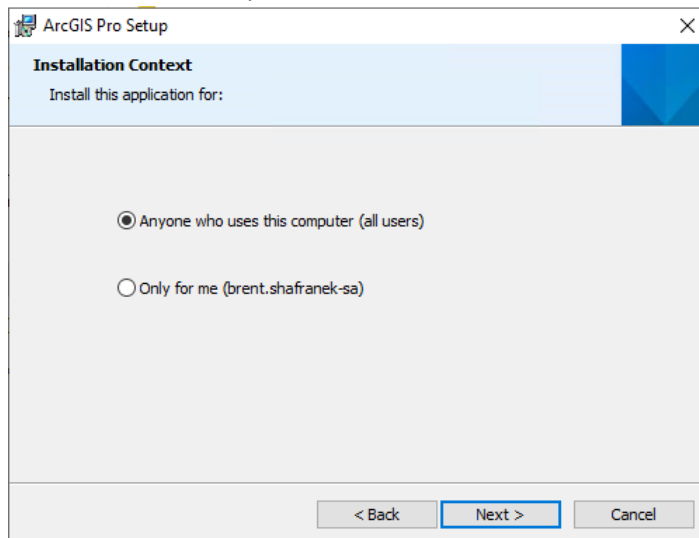
2.5.   Select the **red X** next to **AI Models** and select "**This feature, and all subfeatures, will be installed on local hard drive.**"
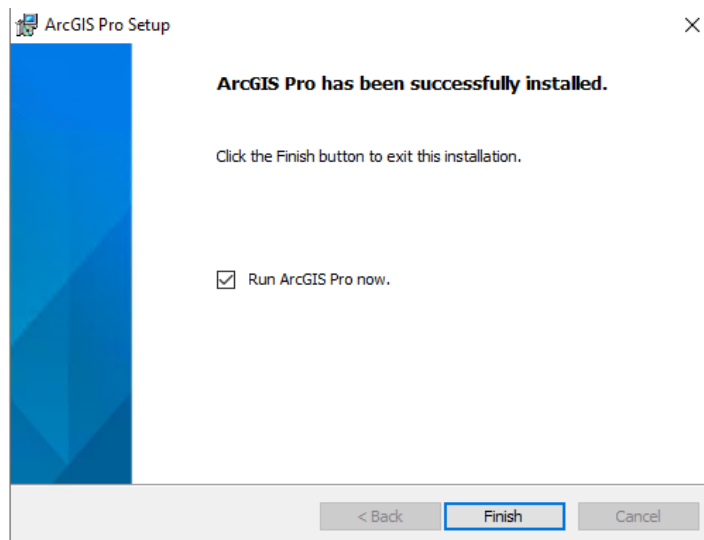
2.6.   Uncheck the radio buttons to to participate in ESRI User experience and submit error reports and then click Install.
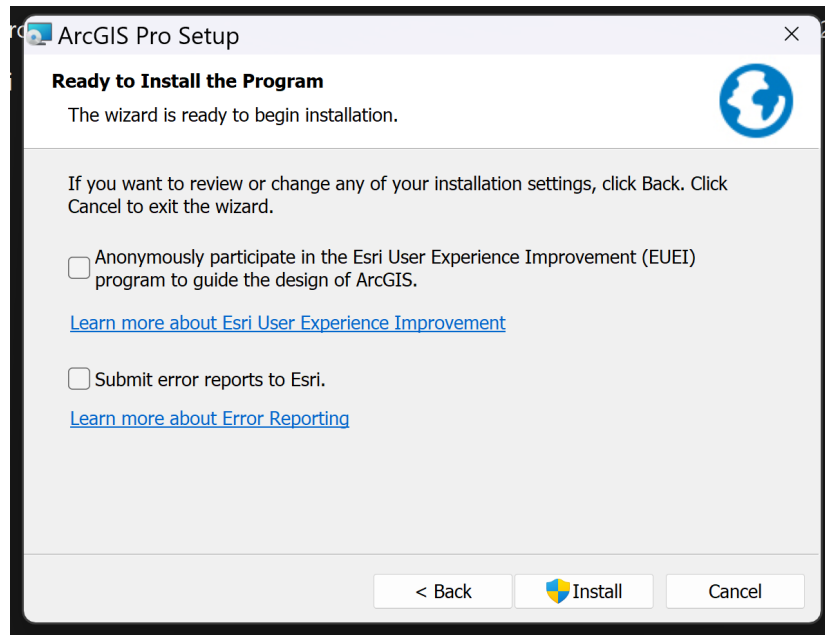

2.7.   If Administrative Rights are required, credentials will need to be entered at this time.

2.8.   A dialog box showing a status bar will show the progress of the install.
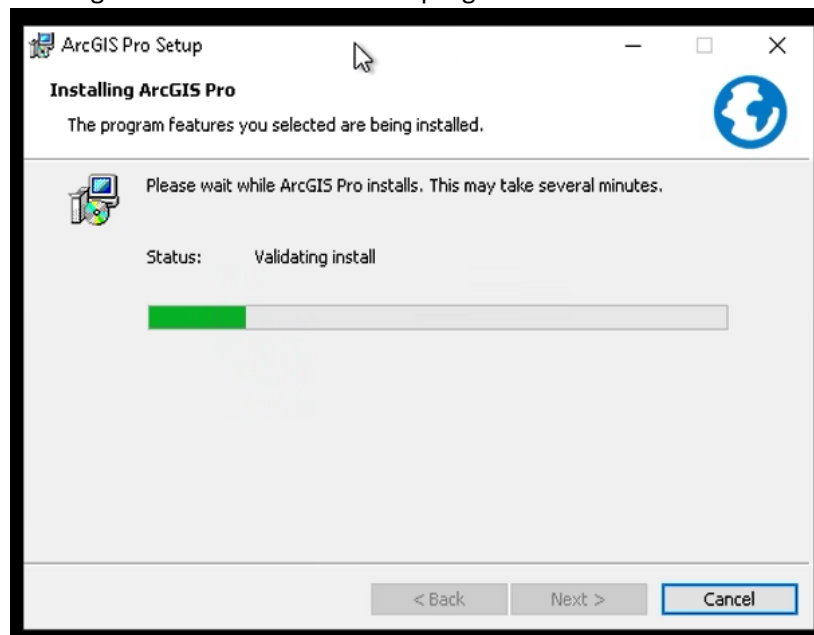
2.9.   Verify the "Run ArcGIS Pro now" check box is checked and then click Finish.

2.10.   ArcGIS Pro will start up and the ArcGIS Sign In dialog box will appear on the screen. In the lower middle of this dialog box will be the words "Configure your licensing options", click on this wording.
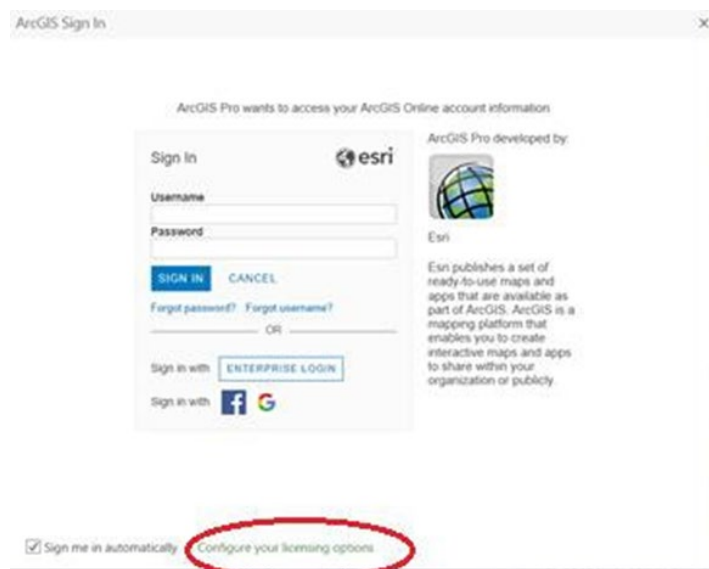
*Note: If you bypass this **ArcGIS Sign In** page, start ArcGIS Pro like normal and then click **About ArcGIS Pro** in the lower left corner of the ArcGIS Pro start page. In the options on the left side of the application, click **Licensing**. On the **Licensing** page, click **Configure your licensing options**.*
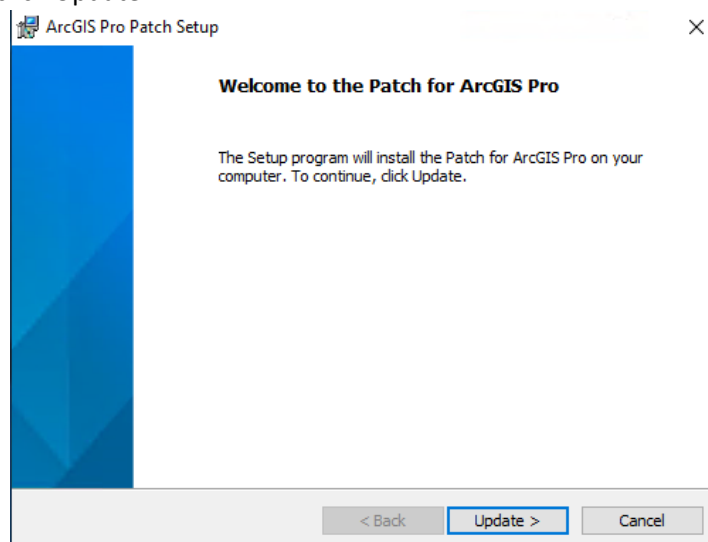
2.11.   On the Licensing dialog box, using the dropdown change the License Type from Named User License to Single Use License.
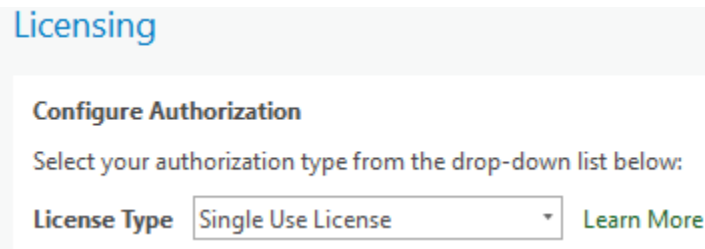

2.12.   Click the OK button located in the lower right-hand side of the dialog box.

2.13.   ArcGIS Pro should now start as expected, if it does not please contact the geospatial help desk at geospatial@bia.gov.

3.   How to Install a Patch for ArcGIS Pro

3.1.   If you have not already copied the install file for the patch file for the requested version from the network drive to the local computer, do so now.

3.2.   Double click the ArcGIS_Pro_XXX_XXXXXX.msp (see above for file name) file, the below dialog box will appear, click Update.

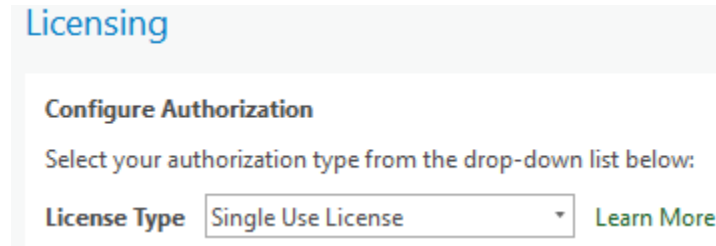3.3.   A dialog box showing a status bar will show the progress of the install.
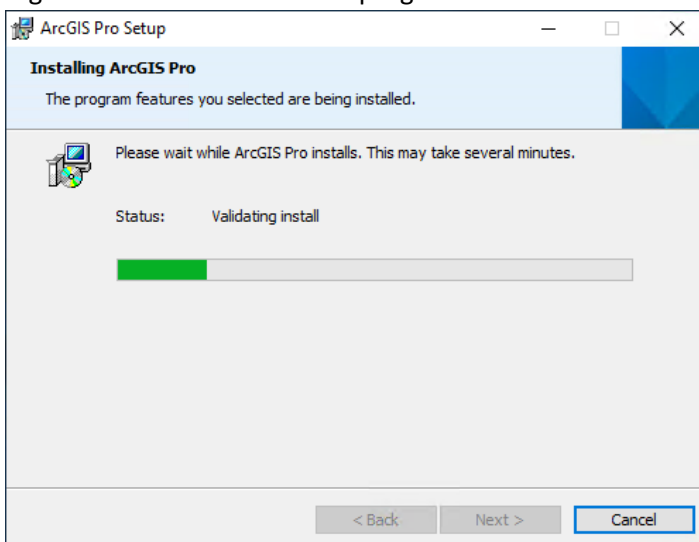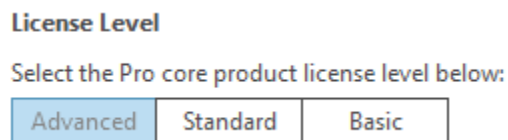

3.4.   Click Finish.
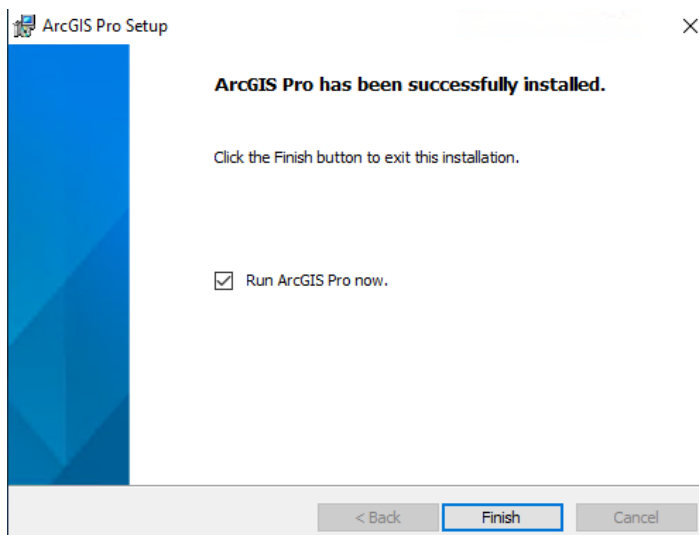
3.5.   ArcGIS Pro has been updated and is ready for use.
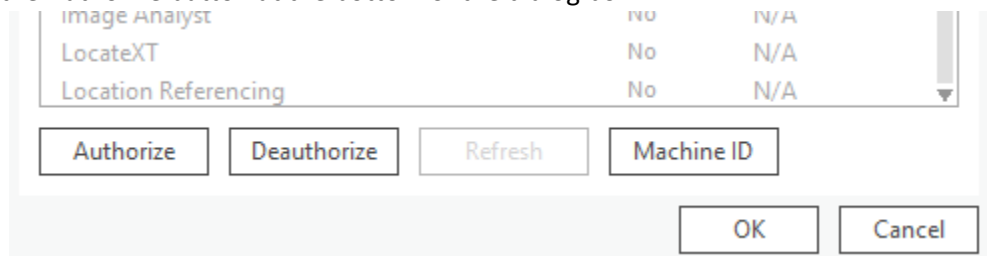
4.   Authorizing Single Use license for ArcGIS Pro

On the Licensing dialog box, using the dropdown change the License Type from Named User License to Single Use License.

Licensing

Configure Authorization

Select your authorization type from the drop-down list below:

License Type   Single Use License   ▾   Learn More

4.1.   Under the License Level section, click the Advanced button.

License Level

Select the Pro core product license level below:

| Advanced | Standard | Basic |
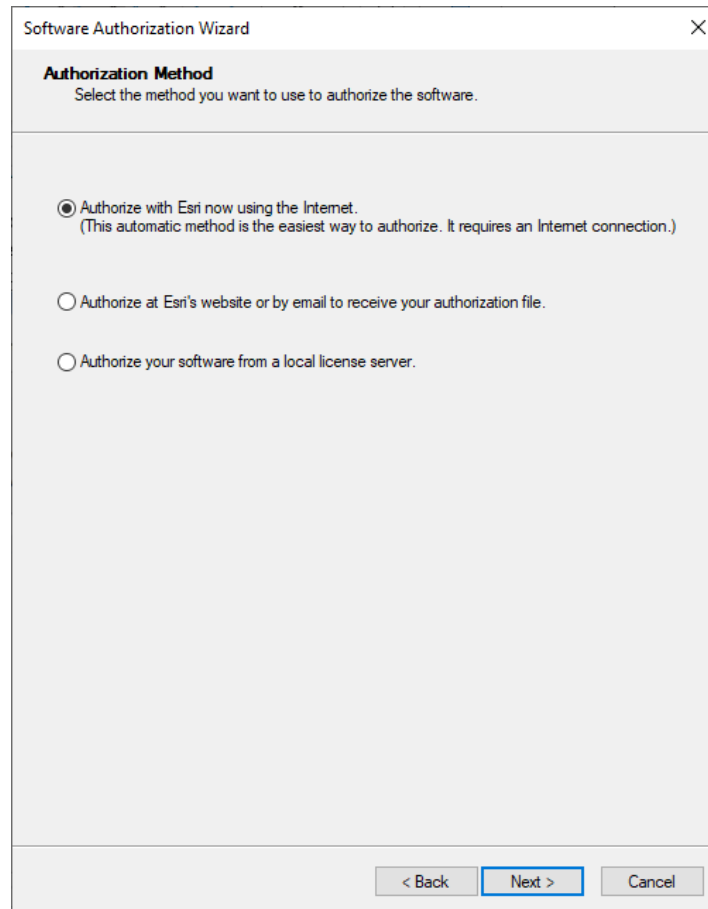
4.2.   Click the Authorize button at the bottom of the dialog box.

Image Analyst	No	N/A
LocateXT	No	N/A
Location Referencing	No	N/A

| Authorize | Deauthorize | Refresh | Machine ID |

OK   Cancel

4.3.   When the Authorization Options dialog box appears, click the "I have received and
         authorization file from Esri …." radio button and then click the browse button and navigate to
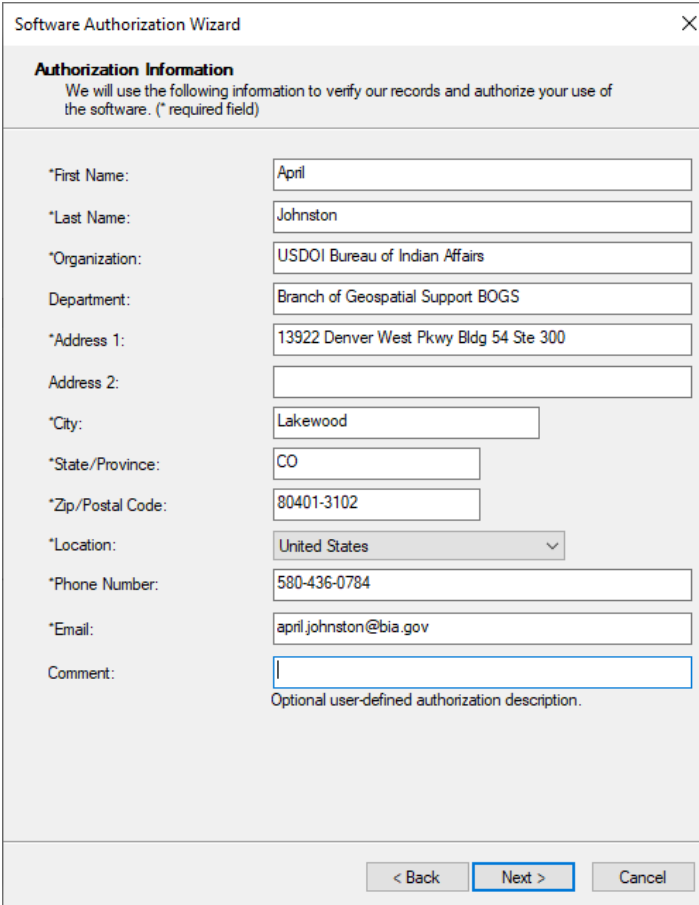   the provision file that was copied from the network drive and then click Next.
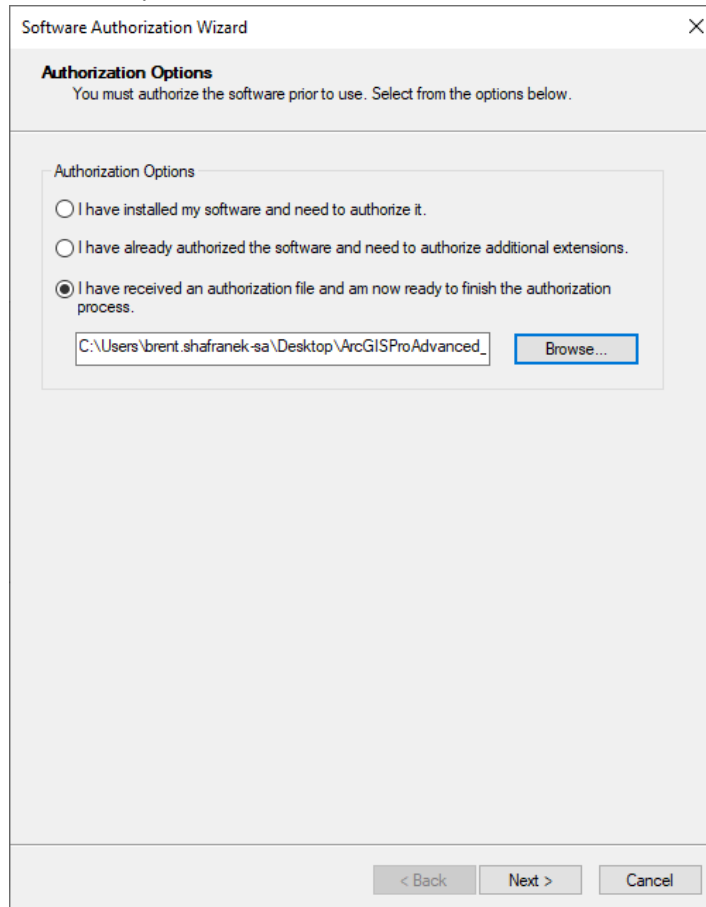
4.4. Verify the "Authorize with Esri now using the Internet …" radio button is selected and click Next.

4.5.   Due to using the provision file the Authorization Information dialog box will be automatically populated for you, leave the information as it is and click Next.
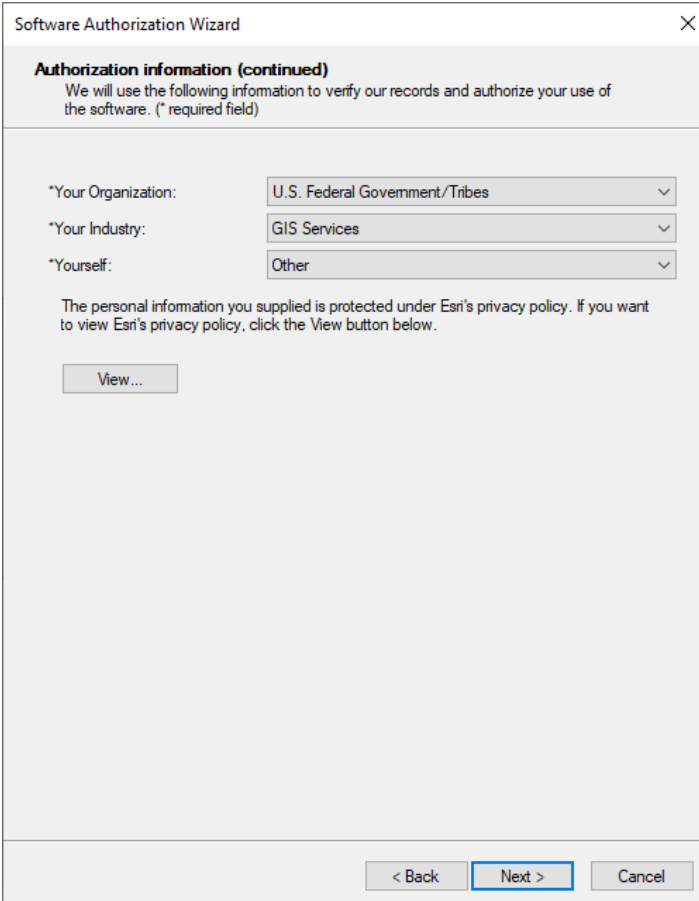
Software Authorization Wizard	✕

Authorization Information
We will use the following information to verify our records and authorize your use of the software. (* required field)

*First Name:	April
*Last Name:	Johnston
*Organization:	USDOI Bureau of Indian Affairs
Department:	Branch of Geospatial Support BOGS
*Address 1:	13922 Denver West Pkwy Bldg 54 Ste 300
Address 2:	
*City:	Lakewood
*State/Province:	CO
*Zip/Postal Code:	80401-3102
*Location:	United States
*Phone Number:	580-436-0784
*Email:	april.johnston@bia.gov
Comment:		

Optional user-defined authorization description.

[< Back] [Next >] [Cancel]

4.6. Use the drop downs to select the most appropriate response for the three questions and click Next.
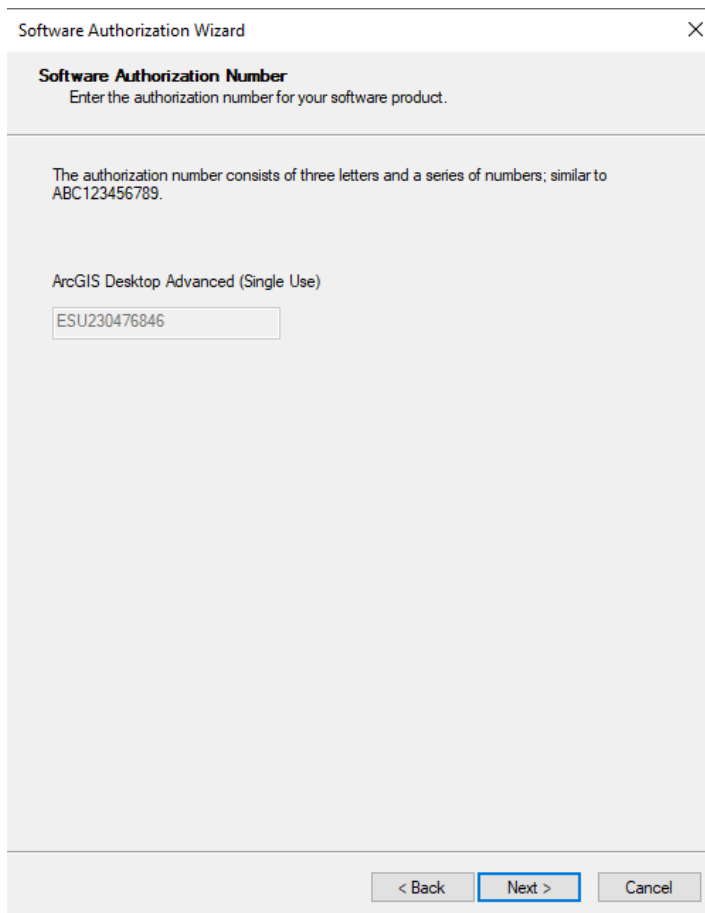
4.7.   Due to using the provision file the Software Authorization Number will be filled out, verify it is
and click Next.

Software Authorization Wizard   ✕

Software Authorization Number
Enter the authorization number for your software product.

The authorization number consists of three letters and a series of numbers; similar to
ABC123456789.

ArcGIS Desktop Advanced (Single Use)

ESU230476846

< Back   Next >   Cancel

4.8.   Verify the "I have authorization …" radio button and then click Next.

Software Authorization Wizard   ✕

Authorize Software Extensions
     Please select an option below.

Options

   ○ I do not want to authorize any extensions at this time.

   ◉ I have authorization number(s) to authorize one or more extensions.

Extensions

Feature	Authorization Number	
3D Analyst	ESU376020639	
Spatial Analyst	ESU544316377	
Network Analyst	ESU314142104	
Publisher	ESU256195479	
Data Interoperability		
Geostatistical Analyst	ESU806463543	
Workflow Manager		
Data Reviewer		

                              < Back   Next >   Cancel

4.9.   Once the software has been authorized, click Finish.
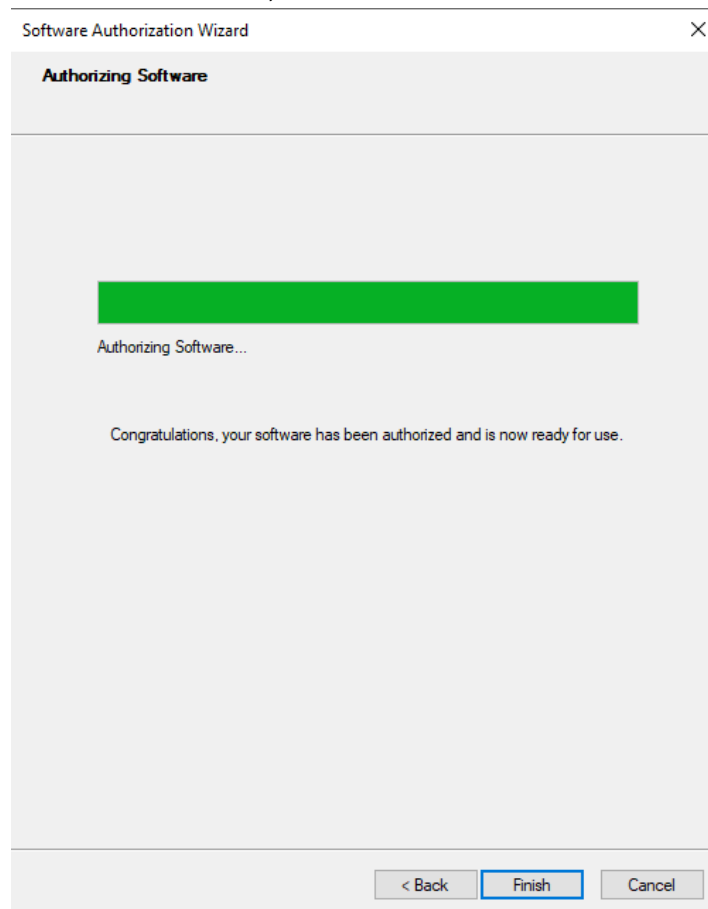
4.10.   Click OK.

Licensing

Configure Authorization

Select your authorization type from the drop-down list below:

License Type Single Use License   ▾   Learn More

License Level

Select the Pro core product license level below:

| Advanced | Standard | Basic |

This lists the software installed, along with its authorization status and expiration date.

Name	Licensed	Expires
ArcGIS Pro Advanced	Yes	Never
3D Analyst	Yes	Never
Aviation Airports	No	N/A
Aviation Charting	No	N/A
Bathymetry	No	N/A
Business Analyst	No	N/A
Data Interoperability	No	N/A
Data Reviewer	No	N/A
Defense Mapping	No	N/A
Geostatistical Analyst	Yes	Never
Image Analyst	No	N/A
LocateXT	No	N/A
Location Referencing	No	N/A

| Authorize | Deauthorize | Refresh | Machine ID |

| OK | Cancel |

ArcGIS Pro is now installed, licensed and ready for use. If the version you are installing has a patch file (see above in software section), you will need to follow the install instructions in the "How to Install a Patch" section above.

5.   Configure License Settings – Single Use

A username/password is not required for ArcGIS Pro Desktop licensing. If a username/password is requested upon ArcGIS Pro startup the license must be configured. Below are the instructions to properly configure single use licensing.

5.1.   During the startup process of ArcGIS Pro, the ArcGIS Sign In dialog box will appear on the screen. In the lower middle of this dialog box will be the words "*Configure your licensing options*", click on this link.
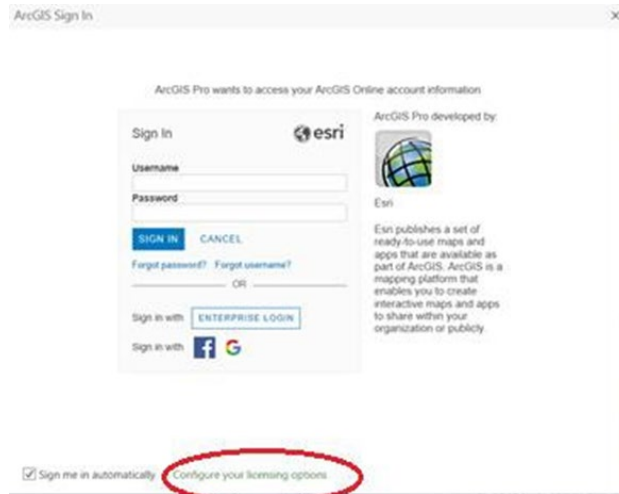
Note: *If you bypass this **ArcGIS Sign In** page, start ArcGIS Pro like normal and then click **About ArcGIS Pro** in the lower left corner ofthe ArcGIS Pro start page. In the options on the left side of the application, click **Licensing**. On the **Licensing** page, click **Configure your licensing options**.*

5.2.   On the Licensing dialog box, using the dropdown change the License Type from Named User License to **Single Use** License. Verify ArcGIS Pro Advanced is Licensed = "Yes", Expires = "Never".
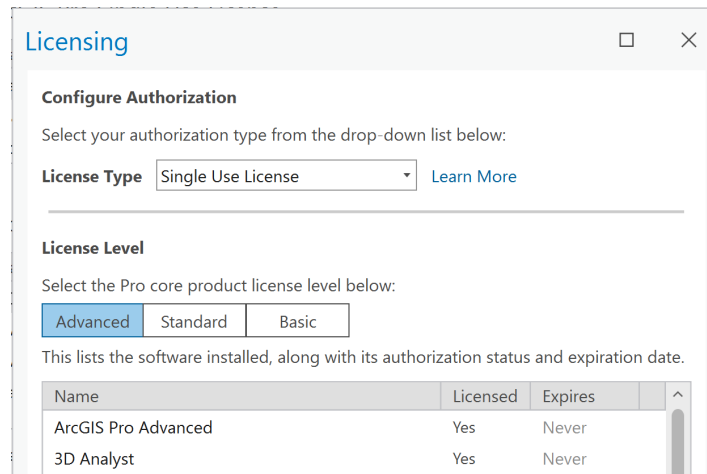
5.3.   Click the OK button located in the lower right-hand side of the dialog box.

5.4.   ArcGIS Pro should now start as expected, if it does not please contact the geospatial help desk at geospatial@bia.gov.
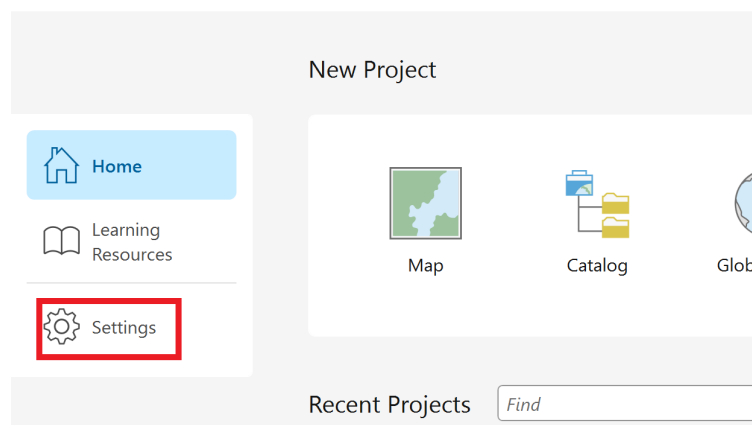
6. How to Verify License is Authorized

6.1.   Open ArcGIS Pro by either using a shortcut or going to the Start Menu (   ) => Selecting the ArcGIS folder => Selecting ArcGIS Pro. If a username/password is requested see Section 6.

6.2.   Select **Settings**

6.3.   **Select About**

6.4.   **Verify the Software Version is 3.5.0 or greater**
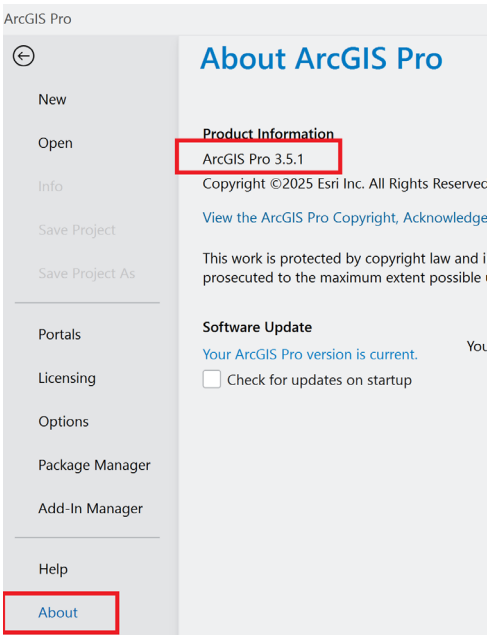
6.5.   Select **Licensing** from the menu on the left to display the Licensing . Verify ArcGIS Pro Advanced and 3D Analyst indicate Licensed = "YES" and Expires = "NEVER".

6.6.　　If license is not authorized see Section 4: Authorizing Single Use license for ArcGIS Pro.

7.　Common Issue #1: Clear Trusted Storage

Occasionally ESRI software will not allow you to authorize the software or indicates that all software is already authorized. If this happens you will need to Clear the Trusted Storage. Please note a .prvc file, often called an authorization or license file is required to re-authorize the software.

> The steps described in this procedure include deleting files that may be hidden. To display hidden files, follow the directions in this Windows support document.

7.1.　　Ensure all ArcGIS Products and Software wizards are closed. Reboot your computer if necessary.

7.2.　　Navigate to C:\Program Data\FLEXnet
　　　　Note: You may need to search your C: drive for FLEXnet to find this folder.

7.3.　　Either remove all of the *ARCGIS_xxxxxxxx* files within the FLEXNet folder, or create a new folder and move the files into the new folder. Make sure to remove the *ARCGIS_xxxxxxxx* files from the FLEXNet folder.

7.4.　　Verify that all *ARCGIS_xxxxxxxx* files are removed.

7.5.　　Complete Section 4: Authorizing Single Use license for ArcGIS Pro

8.　Common Issue #2: Manually Start Licensing Service

Occasionally the licensing service will need to be manually started upon installation or after an upgrade. Typical Error/Warning messages are:

This functionality is not available without the ArcGIS Pro Licensing Service being installed.

Anything with the words "license server", "licensing server", "license service", or "licensing service"

8.1.　　Ensure all ArcGIS Products and Software wizards are closed. Reboot your computer if necessary.

8.2.   Navigate to C:\Program Files\ArcGIS\Pro\Resources\ArcGIS Licensing Service
         Note: You may need to search your C: drive for ArcGISLS.msi.

8.3.   Double click on the ArcGISLS.msi file and step through the software wizard using the default entries.

8.4.   Open ArcGIS Pro as usual.