



esri

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Installation Guide

ArcGIS Desktop

Kansas State University purchases and distributes GIS software through a higher education site license agreement with Esri. This site license is paid for by K-State Libraries. Important changes were made to this agreement effective May 2020.

K-State faculty, staff, and students may now download Esri software from the university and install that software on personally-owned computers. Past license agreements applied only to university-owned computers.

This guide is designed to assist with finding the ArcGIS Desktop software from the K-State GIScience Virtual Collaboratory website and installing and licensing that software on university or personally-owned computers.



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Last Updated: August 7, 2020



Before proceeding, make sure your computer meets minimum system requirements!

Esri software runs best on computers with the most recent Windows operating system, fast and multi-core processors, and significant RAM.

Please double-check the capabilities of your computer against the system requirements of the software you want to install.

Minimum system requirements are published by Esri and, for the different versions of their desktop software, can be found at the following URL.

**[https://desktop.arcgis.com/en/arcmap/latest/get-started/
setup/arcgis-desktop-system-requirements.htm](https://desktop.arcgis.com/en/arcmap/latest/get-started/setup/arcgis-desktop-system-requirements.htm)**

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Step #1

The K-State GIScience Virtual Collaboratory serves as the campus gateway to GIS education, research, and software.

The site also serves as our home page for our membership in the University Consortium for Geographic Information Science (UCGIS).

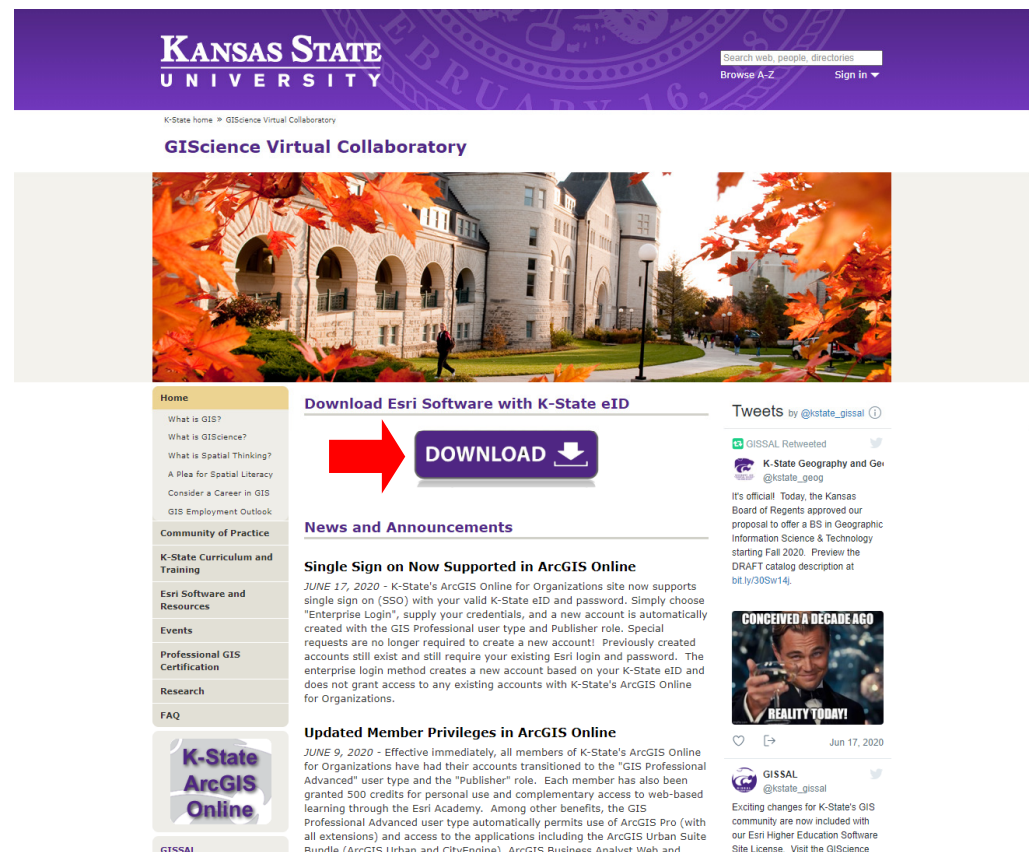
NOTE: You may need to be running a VPN connection to K-State before you can download software.

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Navigate to the K-State GIScience Virtual Collaboratory Website

Direct your Web browser to **<https://gis.ksu.edu>** and click on the Download button. When required, supply your valid K-State eID and password to gain entry to the secure software server.



Step #2

Because the secure software server is updated frequently, your view of the directory structure may differ slightly.














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Choose ArcGIS Desktop

If you are downloading software for use in a class, it may be necessary for you to select a specific software package. Please consult with your instructor for details. Also be sure that your computer meets the system requirements for the software.

Index of /software/downloads

<u>Name</u>	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
 Parent Directory		-	
 ArcGIS Business Analyst/	29-May-2020 15:19	-	
 ArcGIS CityEngine/	29-May-2020 15:22	-	
 ArcGIS Desktop/	29-May-2020 15:26	-	
 ArcGIS Enterprise/	29-May-2020 16:14	-	
 ArcGIS Insights/	29-May-2020 16:15	-	
 ArcGIS License Manager/	29-May-2020 16:15	-	
 ArcGIS Maps for Office/	29-May-2020 16:16	-	
 ArcGIS Pro/	29-May-2020 16:29	-	
 ArcPad 10_2_6/	29-May-2020 16:39	-	
 Data and Maps for ArcGIS 2018/	26-Aug-2019 15:38	-	
 Esri Software Patches/	28-May-2019 12:12	-	
 README ArcGIS Student Software.txt	29-May-2020 16:42	1.2K	

Apache Server at gis.ksu.edu Port 443

Step #3

To save space, only the most recent versions of Esri software are stored on the secure server.

If you need earlier versions of the software, please contact your college technical support representative (see last page of this guide).

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Choose your Esri Software Version

After selecting your desire software package, choose the version of the software that you want to download and install. Generally, choosing the most recent (i.e., higher numbered) version of your software package is recommended.

Again, if you are downloading software for use in a class, it may be necessary to select a specific version of the software. Your instructor can supply this information.

Index of /software/downloads/ArcGIS Desktop

<u>Name</u>	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
 Parent Directory		-	
 ArcGIS Desktop 10_7_1/	21-Apr-2020 09:41	-	
 ArcGIS Desktop 10_8/	21-Apr-2020 11:24	-	
 ArcGIS Desktop Provisioning Files 2021/	21-Jul-2020 12:06	-	

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Step #4

More information about the other installers for ArcGIS Desktop:

<https://desktop.arcgis.com/en/arcmap/latest/get-started/installation-guide/introduction.htm>

Continue with the remaining steps before installing the software!

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Download the Installation File(s)

Once you are in the directory for your desired software package and version, you will see many files available for download. At minimum, you will need to find the executable file that uses the following naming convention:

ArcGIS_Desktop_Version_MiscNumbers.exe

Executing this file will install the full version of your Esri software with all available extensions. The remaining files are other installers that bring additional capability to the basic software, but are not essential.

Index of /software/downloads/ArcGIS Desktop/ArcGIS Desktop 10_8

Name	Last modified	Size	Description
Parent Directory			
 ArcGIS_Data_Interop_for_Desktop_108_172771.exe	21-Apr-2020 09:47	1.2G	
 ArcGIS_Data_Reviewer_for_Desktop_108_172772.exe	21-Apr-2020 09:45	63M	
 ArcGIS_Desktop_108_172737.exe	21-Apr-2020 09:44	1.0G	
 ArcGIS_Desktop_BackgroundGP_108_172759.exe	21-Apr-2020 09:43	360M	
 ArcGIS_Desktop_Tutorial_Data_108_172795.exe	21-Apr-2020 10:21	1.6G	
 ArcGIS_License_Manager_Linux_2019_2_173095.tar.gz	21-Apr-2020 09:45	103M	
 ArcGIS_License_Manager_Windows_2019_2_173083.exe	21-Apr-2020 09:45	33M	
 ArcGIS_Workflow_Manager_for_Desktop_108_172778.exe	21-Apr-2020 09:45	47M	
 ArcObjects_SDK_for_Java_108_172797.exe	21-Apr-2020 10:17	397M	
 ArcObjects_SDK_for_NET_Framework_108_172796.exe	21-Apr-2020 10:17	356M	
 ArcReader_Windows_108_172784.exe	21-Apr-2020 09:46	494M	
 Database_Server_Desktop_108_172770.exe	21-Apr-2020 09:43	544M	
 FMVv1.4.2_forArcGISDesktop10.8_x_174230.exe	21-Apr-2020 10:17	23M	
 Microsoft_ODBC_Driver_11_SQL_Server_32bit_167178.exe	21-Apr-2020 10:17	1.9M	
 Microsoft_ODBC_Driver_11_SQL_Server_64bit_167179.exe	21-Apr-2020 10:17	3.0M	
 Microsoft_ODBC_Driver_17_SQL_Server_32bit_173336.exe	21-Apr-2020 10:17	2.4M	
 Microsoft_ODBC_Driver_17_SQL_Server_64bit_173337.exe	21-Apr-2020 10:17	4.4M	
 Microsoft_ODBC_Driver_131_SQL_Server_32bit_167176.exe	21-Apr-2020 10:17	2.0M	
 Microsoft_ODBC_Driver_131_SQL_Server_64bit_167177.exe	21-Apr-2020 10:17	3.2M	
 MilitaryToolsforArcGIS3.6.1.zip	21-Apr-2020 10:17	13M	

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Step #5

Provisioning, or license files, are valid for one year and time out in May or June.

After the university renews the software site license each spring, new provisioning files will be added to the secure software server.

Typically, your GIS software notifies you several weeks in advance that your current provisioning file is about to expire.

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Find the Provisioning File Folder

Return to the home directory of your software package and find the folder called **ArcGIS Desktop Provisioning Files 2021**.

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<u>Name</u>	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
 Parent Directory		-	
 ArcGIS Desktop 10_7_1/	21-Apr-2020 09:41	-	
 ArcGIS Desktop 10_8/	21-Apr-2020 11:24	-	
 ArcGIS Desktop Provisioning Files 2021/	21-Jul-2020 12:06	-	



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Step #6

Download and have your single-use provisioning file available before starting the installation process for your Esri software.

Part of software installation process includes the licensing phase.

The README file is helpful if you are licensing your software after installation or need to update a license file that is about to expire.

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Download a Provisioning File

Once in the correct provisioning file folder, find and download the file that includes **SingleUse** in the name.

Single use provisioning files license a single computer to use the Esri software rather than obtaining that permission from a license server via a concurrent use provisioning file as implemented in many of our teaching laboratories and public computing labs.

You can also review the associated **README** file located in this folder to learn more about how to license your software.

Index of /software/downloads/ArcGIS Desktop/ArcGIS Desktop Provisioning Files 2021

	Name	Last modified	Size	Description
	Parent Directory	-	-	-
	ArcGISDesktopAdvanced_ConcurrentUse_903754.prvs	29-May-2020 08:34	1.3K	
	EducationSiteArcGISDesktop_SingleUse_922588.prvc	21-Jul-2020 11:33	634	
	README_UseProvisioningFiles.txt	29-May-2020 08:44	1.4K	



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Step #7

The installation and licensing process is “wizard” driven, but can take several minutes to complete. You will want to allocate approximately 20 minutes for a basic installation.

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Install the Software

Find the **ArcGIS_Desktop_Version_MiscNumbers.exe** file downloaded in Step #5 and also have your **single-use provisioning file** available. Double-click the executable to begin installation. Once the base software is installed, you may then install additional files as necessary.

For those who will be doing significant data processing or working with a variety of spatial data types, consider downloading the **ArcGIS_Desktop_BackgroundGP** and **ArcGIS_Data_Interop_for_Desktop** files.

Once installation and licensing is complete, you may begin using the software.

Name

-  ArcGIS_Data_Interop_for_Desktop_108_172771.exe
-  ArcGIS_Data_Reviewer_for_Desktop_108_172772.exe
-   ArcGIS_Desktop_108_172737.exe
-  ArcGIS_Desktop_BackgroundGP_108_172759.exe
-  ArcGIS_License_Manager_Windows_2019_2_173083.exe
-  ArcGIS_Workflow_Manager_for_Desktop_108_172778.exe
-  ArcReader_Windows_108_172784.exe
-   EducationSiteArcGISDesktop_SingleUse_922588.prvc

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Need further assistance? Have questions?

Faculty, staff, and students in each college at Kansas State University have dedicated faculty members who can help answer questions related to Esri software, the online Esri Academy, and other benefits available through the Esri software sight license agreement.

Only a handful of designated K-State representatives are authorized to obtain software directly from Esri or to contact Esri directly for technical support. After your instructor, and depending on the home college of your academic unit, one of the following people should be **your second point of contact** for assistance, questions, and troubleshooting technical issues:

- Carl R. Ice College of Engineering—Dr. Aleksey Sheshukov (0044 Seaton Hall, ashesh@ksu.edu)
- College of Agriculture—Dr. Dan Sullins (1602 Throckmorton, sullins@ksu.edu)
- All other K-State Manhattan Colleges, K-State Polytechnic, and K-State Olathe—Dr. Shawn Hutchinson (3018 Seaton Hall, shutch@ksu.edu)

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