

ArcGIS Data Appliance Quick Installation Guide

Box Contents:

- One 1U, 2U, or 4U ArcGIS Data Appliance (Windows Server 2019)
- Data disk drives (Quantity as shipped)
 - Collections (Product option as shipped)
- Two 110V AC power cords
- One front bezel (black) w/ keys
- One set of adjustable sliding rails w/ mounting kit
- ArcGIS Data Appliance Quick Reference
- ArcGIS Data Appliance Quick Installation Guide (this document)
- ArcGIS Data Appliance Warranty Documentation

Step 1 – Unpack the components

The ArcGIS Data Appliance box includes removable front bezel for the server to cover and lock the hard drives. This is to prevent unauthorized persons from removing disks. Keys are also provided within its bag. Also included in the box are the adjustable sliding rails to mount your ArcGIS Data Appliance server into a standard computer equipment rack. The mounting kit is located within the smaller box that is packed on top of the server. The contents of the box can be unpacked by a single person, but it is recommended that two people remove the server from the box.

Step 2 – Install the ArcGIS Data Appliance into a computer equipment rack

The ArcGIS Data Appliance ships with side rails that slide into the adjustable rails that are installed in the computer equipment rack. Depending on the depth of your rack cabinet, adjustments to the sliding rails may be required. Use the mounting screws provided to attach the sliding rails to your cabinet. Additional details can be found in the ArcGIS Data Appliance Quick Reference document that is include in the box.

Step 3 – Cabling the ArcGIS Data Appliance

The ArcGIS Data Appliance requires two AC power sources. Two power cords are included in the smaller box that contains the mounting kit for the rails. Connect both power cords. Connect a monitor to the video port as well as a keyboard and mouse to their respective USB ports. Network connectivity is required during the operation of the Data Appliance for ArcGIS. Plug in a RJ-45 Ethernet cable into the Ethernet port of the Data Appliance for ArcGIS. Additional details can be found in the ArcGIS Data Appliance Quick Reference document that is include in the box.

Step 4 – Verify Serial Numbers

Before proceeding, ensure that the data collection hard drives are labeled with the same serial number listed on the ArcGIS Data Appliance which is located on the front right corner of the chassis.

Step 5 – Install Data Collection Hard Disk Drives*

***The 1U version of the ArcGIS Data Appliance ships with the data collection hard drives installed. Skip to step 6.**

Before powering on the Data Appliance for ArcGIS, the data collection hard drives need to be installed into the chassis using the following procedures:

1. Each data collection hard drive is labeled according to the collection which it belongs to, as well as the number of drives contained in each data collection.
2. The installation process will vary according to which data collections were purchased. The data collections should be installed in numerical and alphabetical succession (i.e., Collection 1, Collection 2, Collection 3, Collection 4, Collection 5, Collection WL, Collection NAL, etc.).
3. Each data collection is composed of a varying number of hard drives. The hard drives for each collection should be installed sequentially (ex., Disk 1 of 2, Disk 2 of 2) until all drives in the collection have been installed.
4. The drives should be installed into the front chassis hard drive slot columns before moving to the rear chassis hard drive slot columns. When facing the chassis, begin to fill the leftmost columns and then proceed to fill the next available hard drive slot column. Insert** the drives into each hard drive slot column beginning from the bottom slot to the top slot in accordance with procedures 2 and 3.
5. Install all of the data collections purchased by repeating procedures 2 - 4, making sure that all drives from the data collections are installed in the Data Appliance for ArcGIS.
6. If you find that a drive is missing, immediately stop the installation procedure and contact Arxys technical support.

**Each hard drive/tray should be inserted into the chassis. Make sure to press the drive carrier handle closed until it clicks in place.

Step 6 – Power on the server

To turn on Data Appliance for ArcGIS, press the power button located on the front of the Data Appliance for ArcGIS. The Windows® Server 2019 operating system performs a number of system checks to verify the integrity of the file system. During this time, the hard drive activity LEDs on ArcGIS Data Appliance will blink. Allow the ArcGIS Data Appliance to boot into the Windows® Server 2019 operating system.

Step 7 – System Licensing and Activation

Once the ArcGIS Data Appliance completely boots, follow the onscreen instructions to complete the license and activation of Windows® Server 2019.

1. Select the correct country/region, time and currency, and keyboard layout that are appropriate. Click Next to continue
2. Type the product key found on the Microsoft® COA label located on the front left corner of the system and click Next.
3. Review and accept the Microsoft® Software License Terms and click Accept.
4. Follow the instructions to set the administrative password for the system.

Note: Refer to the ArcGIS Data Appliance User Guide for Windows on the Arxys website for information on activating Windows without Internet access or for additional details on system setup.

Step 8 – Logging into the Data Appliance for ArcGIS

The system will present a Windows log in screen with “Press CTRL + ALT + DEL to log in” displayed on the screen. Press CTRL + ALT + DEL on the keyboard. Follow the onscreen instructions.

Step 9 – Windows Updates

The ArcGIS Data Appliance ships with the Windows Server 2019 operating system. Microsoft® routinely release updates and patches to improve stability and security. Any updates released after the ArcGIS Data Appliance has shipped will need to be applied.

For Technical Support Contact:

Esri

<http://support.esri.com/en/contact-tech-support>

Phone: 1-888-377-4575

Email: support@esri.com

Hours: Monday–Friday, 5:00 a.m.–5:00 p.m. (Pacific time)

International users—Support will be provided by your local Esri distributor.

Arxys

Product documentation is available for download at: <https://arxys.com/support>

Phone: 1-800-257-1666

For technical support, submit a ticket by going to: <https://support.arxys.com>

Hours: Monday – Friday, 9:00AM – 5:00PM (Pacific Time)