

Data Appliance for ArcGIS Quick Installation Guide

Box Contents:

- One 1U, 2U, or 4U Data Appliance for ArcGIS (Windows Storage Server 2012 R2)
- Data disk drives (Quantity as shipped)
 - Collections (Product option as shipped)
- Two 110V AC power cords
- One External USB Optical Drive (Except the 1U Data Appliance for ArcGIS)
- One front bezel (black) w/ keys
- One set of adjustable sliding rails w/ mounting kit
- Data Appliance for ArcGIS Quick Reference
- Data Appliance for ArcGIS Quick Installation Guide (this document)
- Data Appliance for ArcGIS Warranty Documentation

Step 1 – Unpack the components

The Data Appliance for ArcGIS 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 Data Appliance for ArcGIS 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 Data Appliance for ArcGIS into a computer equipment rack

The Data Appliance for ArcGIS 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 Data Appliance for ArcGIS Quick Reference document that is include in the box.

Step 3 – Cabling the Data Appliance for ArcGIS

The Data Appliance for ArcGIS 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 Data Appliance for ArcGIS 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 Data Appliance for ArcGIS which is located on the front right corner of the chassis.

Step 5 – Install Data Collection Hard Disk Drives*

***The 1U version of the Data Appliance for ArcGIS 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 as follows:

- 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.
- The data collections should be installed in alphabetical succession (i.e., Collection A, Collection B, Collection C, etc.). The installation process will vary according to which data collections were purchased.
- Each data collection is composed of a varying number of hard drives. The hard drives for each collection should then be installed sequentially (ex., Disk 1 of 2, Disk 2 of 2).

For example, the Data Appliance for ArcGIS World Standard option is comprised of data collections B, C, and D. While Collection B is comprised of 2 hard drives, C is comprised of 11 hard drives, and D is comprised of 8 hard drives. Collection B is installed first into the chassis of the Data Appliance for ArcGIS beginning with the bottom left-most hard drive slot. Disk 1 of Collection B is inserted, while Disk 2 of Collection B is inserted above Disk 1. Then Disk 1 of Collection C can be inserted directly above Disk 2 of Collection B and so forth until the column of hard drive slots is filled. Then proceed to insert drives in the hard drive slot column that is directly to the right of the previous column. Remember to insert the hard drives beginning from the bottom-up when moving to a different column of hard drive slots. Disk 1 of Collection D can then be inserted after Disk 11 of Collection C into the bottom slot of the right-most column. Once all the hard drive slot columns are full on the front of the chassis, proceed to use the same pattern with the hard drive slot columns on the back of the chassis. While facing the rear of the chassis, insert hard drives beginning with the left-most column and fill each column from the bottom-up. Using this pattern, Disk 8 of Collection D will end up in the bottom slot of the second column on the rear of the chassis.

- Install all of the data collections purchased, making sure that all drives from the data collections are installed in the Data Appliance for ArcGIS.
- 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® 2012 Storage Server R2 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 Data Appliance for ArcGIS will blink. Allow the Data Appliance for ArcGIS to boot into the Windows® 2012 Storage Server operating system.

Step 7 – System Licensing and Activation

Once the Data Appliance for ArcGIS completely boots, follow the onscreen instructions to complete the license and activation of Windows® 2012 Storage Server R2.

Type the product key found on the Microsoft® COA label located on the front left corner of the system and click Next.

Review and accept the Microsoft® Software License Terms and click Accept.

Select the correct country/region, time and currency, and keyboard layout that are appropriate. Click Next to continue

Follow the instructions to set the administrative password for the system.

Note: Refer to the Data Appliance for ArcGIS 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 Data Appliance for ArcGIS ships with the Windows 2012 Storage Server R2 operating system. Microsoft® routinely release updates and patches to improve stability and security. Any updates released after the Data Appliance for ArcGIS has shipped will need to be applied.

For Technical Support Contact:

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