

# Managing Your Atmosphere Data

You can install binaries and store data, as well as use your CyVerse Data Store in Atmosphere.

**You also can back up and restore your data using a script.** For information, see [Backing Up and Restoring Your Data to the Data Store](#).

## Installing binaries and storing data

- Install your tool binaries in `/usr/local/bin/`
- To retrieve your data in the future, store your data in `/mydata`, where you have mounted your volume.

## Using your CyVerse Data in Atmosphere

There are three ways to access data from the CyVerse Data Store:

- **Use iCommands to copy the data to your instance**

iCommands is preinstalled on all Atmosphere instances, so you only need to type `init` to get started. For more information, see [Setting Up iCommands](#) and [Using iCommands](#). If you do not have sufficient disk space on your instance, you will need to [mount additional space](#). You can also use the iRODS `irsync` command to synchronize data between your instance and the Data Store. iCommands is the recommended way to move data to and from your instance for most cases.

- **Use FUSE to mount the Data Store**

For direct-file system-based access where your data appears as a drive on your instance, see [Using FUSE to mount the CyVerse Data Store](#). Although not a high-throughput method, this method does not require modifications to your existing programs.

- **Use Parrot (for advanced users only)**

Advanced users may use [Parrot](#), a higher-performance method than FUSE-based access. Parrot requires additional setup; please contact [CyVerse Support](#) for assistance.

## Need help?

Click  at the bottom right of the screen to chat with an Atmosphere support team member during business hours. You also can go to [Ask CyVerse](#) for Atmosphere, or click **Feedback & Support** at the bottom of the screen.

## Helpful Links

### On This Page:

- [Installing binaries and storing data](#)
- [Using your CyVerse Data in Atmosphere](#)
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  - [Use FUSE to mount the Data Store](#)
  - [Use Parrot \(for advanced users only\)](#)
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### Related Pages:

- [Backing Up and Restoring Your Data to the Data Store](#)
- [Using iCommands](#)
- [Using Cyberduck](#)
- [Mounting additional space](#)
- [Parrot](#)