European Commission

# EOSC EU Node **Bulk Data Transfer**

Move data effortlessly to data-intensive execution environments.

EOSC EU **NODE**

open-science-cloud.ec.europa.eu

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# EOSC EU Node
# Bulk Data Transfer

## Move data effortlessly to data-intensive execution environments.

The EOSC Bulk Data Transfer service enables institutions and research infrastructures to move massive datasets quickly, securely and efficiently between their local systems and EOSC EU Node cloud resources. Ideal for data-intensive science, it supports multi-terabyte research data sharing and FAIR and Open Science by offering trusted, EU-hosted infrastructure.

## KEY FEATURES

- **Transfer large datasets quickly and reliably**
- **Use high-performance, fault-tolerant protocols**
- **Monitor and manage transfers easily**
- **Access via intuitive web interface**
- **Authenticate securely using trusted identity systems**

## WHO IS IT FOR

- **Researchers**
- **EU-Funded Research Projects**
- **Research Performing Organisations**
- **Research Infrastructures**

## BENEFITS

- **European-hosted for data sovereignty & trust**
- **Flexibility & portable environments**
- **Seamless collaboration across institutions and disciplines**
- **Supports Open Science & FAIR Principles**
- **Easy onboarding & user management**
- **Available via your virtual credits**

**Cloud-Based Reliability:** Built on a secure and scalable cloud infrastructure, the Bulk Data Transfer service is engineered to reliably handle large datasets and high-volume transfers.

**High Availability:** Designed for near-continuous use, supported by resource credit management and regular maintenance to minimise downtime.

**Real-Time Updates:** Monitoring systems provide real-time transfer status and performance updates, ensuring timely execution and prompt resolution of any issues.

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## USE CASES

Used by climate simulation researchers to **transfer terabytes of data** between centres for advanced global warming analysis.

Utilised by a biomedical AI lab to **move large-scale patient imaging datasets** to GPU-powered HPC systems for deep learning training.

Used by a Horizon Europe astronomy project to efficiently **transfer terabytes of telescope imagery** across international partners.

Adopted by a healthcare regulatory body to **securely share sensitive patient records** across hospital networks while ensuring data privacy.

## SERVICE PROVIDER

The Bulk Data Transfer service is provided by the **Poznan Super-computing and Networking Center (PSNC)**, leveraging advanced File Transfer Service (FTS) technology.

As an integral component of the **EOSC Federation**, the Bulk Data Transfer service seamlessly integrates with other EOSC services, supporting interoperable, pan-European research infrastructures.

## GETTING STARTED

**01**

**Visit:** the EOSC EU Node Portal open-science-cloud.ec.europa.eu

**02**

**Authenticate:** Go to the User Space and sign in using your institutional credentials, or EU or eIDAS login.

**03**

**Enable & Launch:** From your dashboard, locate the Bulk Data Transfer service, click “Get Access,” and begin moving data effortlessly.

Must be affiliated as faculty, employee or staff with eduGAIN or eIDAS credentials.

**CONTACT EOSC EU NODE HELPDESK**
open-science-cloud.ec.europa.eu/support/helpdesk

**ACCESS DOCUMENTATION**
open-science-cloud.ec.europa.eu/services/bulk-data-transfer#documentation

**TRAINING RESOURCES**
openplato.eu/eosceunode