EOSC EU Node
Interactive Notebooks

Create and share documents with real-time code execution.

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Interactive Notebooks

Create and share documents with real-time code execution.

The EOSC Interactive Notebooks service offers a cloud-based platform for creating, running, and sharing live, code-enabled documents with Jupyter. It supports collaborative analysis and visualisation, promoting reproducible, FAIR-aligned research across disciplines.

KEY FEATURES

Store your work persistently*

Customise notebook environments

Share notebooks securely and control access

Connect easily with other EOSC services

Run code in multiple languages

WHO IS IT FOR

Researchers

EU-Funded Research Projects

Research Performing Organisations

Research Infrastructures

*persistent during experimentation time

BENEFITS

European-hosted for data sovereignty & trust

Enables cross-border & Interdisciplinary collaboration

FAIR **Supports Open Science mandates**

Easy onboarding & user management

Available via your virtual credits

Cloud-Based Infrastructure: Interactive Notebooks is built on a scalable cloud infrastructure that supports interactive, real-time code execution and collaboration.

High Availability: Engineered for near 24/7 use, the service employs resource credit management to ensure continuous access.

Real-Time Performance: Auto-save and live collaboration features ensure seamless updates and a reliable computing environment, with only minimal disruptions during scheduled maintenance.

USE CASES

Used by biomedical researchers for **processing, visualising, and modeling genomic data** to predict disease outcomes.

Adopted by university data science departments to **enable cloud-based Jupyter environments** for real-time economic trend analysis without local installations.

Employed by AI engineers for **training and fine-tuning computer vision models** on cloud GPUs via Jupyter Notebooks to overcome local hardware constraints.

Implemented by research institutes collaborating on EU-funded projects for **shared analysis of climate change simulations** in a unified Jupyter environment.

SERVICE PROVIDER

The Interactive Notebooks service is provided by the **Czech Education and Scientific NETwork (CESNET)**.

As an integral component of the **EOSC Federation**, this 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 Interactive Notebooks service, click "Get Access," and select your desired computing environment (Small, Medium, or Large).

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

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open-science-cloud.ec.europa.eu/services/interactive-notebooks#documentation

TRAINING RESOURCES
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