

Czech national e-infrastructure services for HEP

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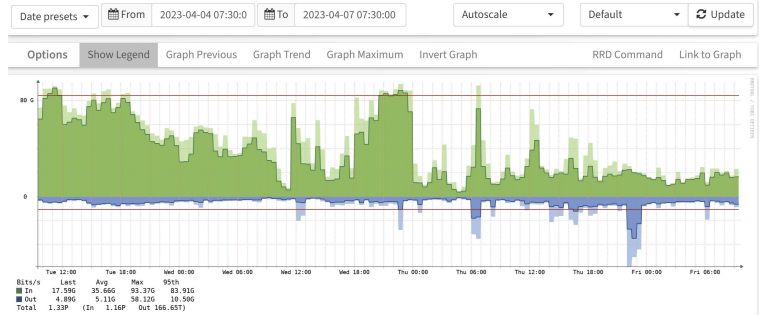
Czech e-infrastructure project e-INFRA CZ is the only project for ICT services defined on the **Road Map of the Czech Republic for Large Infrastructures for Research, Experimental Development and Innovations**. It was created by 3 national e-infrastructure: CESNET, CERIT-SC and IT4Innovations. The project provides ICT services mostly for Czech universities and research institutions.

Acronym: **eINFRA CZ**
 Hosting institution: **CESNET, z. s. p. o.**
 Partner institutions: **Masaryk University VŠB – Technical University of Ostrava**
 Phase: **operational**
 Character: **distributed**
 Website: **e-infra.cz**
 Year of inclusion on the Czech Roadmap: **2010**
 Status on the ESFRI Roadmap 2018: **landmark**

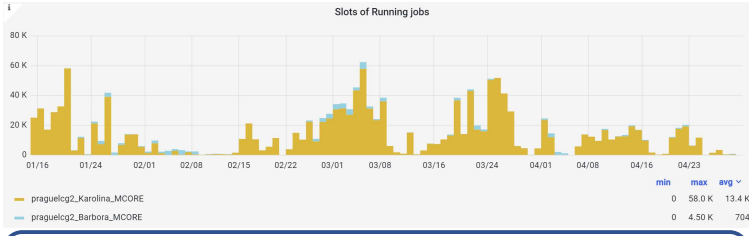
Communications infrastructure and network services

Connection between users, their workplaces and a connection to the public Internet network through a high-bandwidth network infrastructure with high transmission rates (n x100 Gb/s).

A direct connection to the global science and research information and communication environment is also available through the GEANT pan-European network infrastructure



1 Petabyte of data transferred to CZ Tier-2 via LHCONE link in less than 3 days



Supercomputer Karolina: 200 000 node hours for HEP in 2023 project OPEN-27-57 used within 3 months. Additional time available via preemptive queue.

The state-of-the-art supercomputing systems in the Czech Republic and a national grid and cloud infrastructure are available to users for high-performance computing (HPC). e-INFRA CZ offers computing and storage capacities for science, research and commercial partners in several different categories:

- IT4Innovations Supercomputers
- Metacentrum
 - Grid
 - Cloud
 - Hadoop
- Virtualization

Additional services:

- security: CSIRT team
- data storage capacities
- backup, archive
- data sharing services
- virtualization platform
- electronic logbook
- request tracking system

Perun Auger

Name: RNDr. Jiří Chudoba, Ph.D.
 Role: VO/GROUP/FACILITY MANAGER

VO manager Auger

Quick tools

- Add member... Add new member into your VO. Candidates can be searched for in VO's external sources or among user already existing in Perun.
- Create service member... Create new member which represent service account (account usually used by more users with separate login and password).
- Invite member... Invite person to become member of your Virtual organization.
- Add manager... Add new manager which can manage your VO in Perun.
- Create group... Create new group in your VO.
- Add member to resource... Add selected member to specific resource (grant some type of access to Facility resources).

AAI services for VOs managed by CZ groups



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