

Cloud workshop II (for EaPConnect partners)

Thursday, 21 November 2019 - Friday, 22 November 2019

GARR

Scientific Programme

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21-22 November 2019

Rome, Italy

On 21-22 November, the EaPConnect project and GARR will host an advanced workshop dedicated to GARR federated Cloud and cloud applications.

This two-day event is an opportunity for knowledge sharing on the uses of cloud platforms in the research and education environment, with a brief introduction of the activities of GARR Cloud department, its developments and use cases. The event is set as a round-table, where different techniques are presented and where participants are encouraged to discuss and share their different needs or challenges.

The event is organised as part of the EC-funded Eastern Partnership Connect project (www.eapconnect.eu). EaPConnect aims to establish and operate a high-capacity broadband Internet network for research and education (R&E) across six EaP partner countries in the EU Eastern Neighborhood with the objective to integrate them in the pan-European GÉANT network, and facilitate collaboration with local scientists, students and academics, also through the deployment of shared services.

The workshop will address executives in the young National Research and Education Networks from the Eastern Partnership countries, Armenia, Azerbaijan, Belarus, Georgia, Republic of Moldova and Ukraine.

The programme will feature presentations of case studies by GARR cloud administrators and experts and several opportunities of round-tables to share questions, common challenges and best practices. The ultimate objective is to share the lessons learned through the most advanced experience in this field and inspire and guide the NRENs who, currently, are not offering cloud services to their community or would like to expand their services, therefore the interactive workshop will present models that can be adapted to the requirements of their communities.

The agenda includes:

Recap of previous tutorial - where are we

Charm tutorial (how to write a reactive Juju charm in Python)

Round table on:

backup&recovery

monitoring

accounting

administrative access control / security

Cloud Federation:

use cases

Administrative delegation, access policies

Advanced use of CEPH storage

Evolving the automation platform for Kubernetes

Introduction to GARR Container Platform based on Kubernetes

use cases