

Federated Cloud II workshop for EaPConnect partners

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.

Agenda

DAY 1

10:00 -11:00 [Recap of the previous tutorial - where are we](#)

11:00 - 11:15 coffee break

11:15 - 11:45 Evolving the automation platform for Kubernetes. [Introduction to GARR Container Platform based on Kubernetes use cases](#)

11:45 - 13:00 [Charm tutorial \(how to write a reactive Juju charm in Python\)](#)

13:00 - 14:00 Lunch break

14:00 - 16:30 Charm tutorial (how to write a reactive Juju charm in Python). [k8s charm devel Link slide](#)

DAY 2

10:00 - 13:00 Roundtable on:

- [backup&recovery](#)
- [monitoring](#)

11:30 - 11:45 coffee break

- accounting
- administrative access control/security

13:00 - 14:00 Lunch break

14:00 - 15:00 Cloud Federation:

- use cases
- Administrative delegation, access policies

15:00 - 16:00 [Advanced use of CEPH storage](#)

Venue

[GARR, via dei Tizii 6, Rome](#)

How to reach the venue:

From Rome Fiumicino (FCO) Airport:

To reach the venue from Rome Fiumicino Airport take the "**Leonardo Express**" **direct train** driving you to Rome's main train station (Roma Termini) (departures every 15-20 minutes, tickets can be purchased online or via [Trenitalia app](#) or via the several vending machines available at the airport). This is the fastest way to reach Rome Termini train station. Moreover, from Fiumicino Airport, it is possible to take also the FM1 urban train (departures every 15 minutes) to the Ostiense station, and take from there the underground (line B, direction Termini-Rebibbia or B1, direction Jonio). Buses operated by several companies are also available to this destination. There is a flat **taxi** rate from Fiumicino is 48€.

Further info on trains are available [here](#).

From Rome Ciampino (CIA) Airport, you can reach Termini central station via buses operated by several companies ([SIT BUS SHUTTLE](#), [TERRAVISION](#), [ROME AIRPORT BUS](#) - tickets need to be purchased in advance online).

The **taxi** service is available at the **Arrivals** exit. Official taxis are white and recognisable from the "taxi" sign on the top of the car and the license n° on the car door, back and interior. Fixed fares are available from/to some destinations, the flat **taxi** rate from Fiumicino is 48€ and from Ciampino is 30€ (see: <http://www.adr.it/web/aeroporti-di-roma-en/-pax-fco-taxi> and <http://www.adr.it/web/aeroporti-di-roma-en/-pax-cia-taxi>, or the website of the taxi company for further information). Please note that you can call or book your taxi with several apps too, e.g. Mytaxi.

To reach **the venue by train**, the reference destination train station is Roma Termini.

Once in Termini station, you can reach the venue walking or by bus:

- **Walking:** the overall distance is about 1 km. From Termini station take via Marsala until Piazzale Sisto V; then take via dei Ramni and turn left in Via dei Taurini. n19 will be on your left.
- Take **bus n. 492** from Via Volturno (around 300 m from Termini), step out at the RAMNI/Porta Tiburtina bus stop, and turn via dei Tizii. Note that the same ticket you used for the underground is also valid for buses (it expires 100 minutes after you stamped it).

Public transport system

Tickets can be purchased in many coffee shops and tobacconist, as well as via vending machines at subway stations (cash only!) or via mobile app (more info [here](#)). Price per ticket 1,50 (equal to 1 subway ride or 100 minutes on bus or tramways).

Where to stay:

These are some of the nearest hotels:

Hotel Laurentia ***, [Largo degli Osci 63, Roma - http://www.hotellaurentia.it](#)

Ateneo Garden Palace **** [Via dei Salentini 3, Rome http://www.ateneorome.com/it/](#)

For other accommodations:

- www.booking.com
- www.venere.it
- www.hotels.com
- www.trivago.it
- www.expedia.com
- www.hotel.info

Several **B&Bs** are also available in the area.