WORKSHOP GARR 2026

NET MAKERS

NAMEX • GARR

Open Lab

A multi-vendor environment for networking and IT innovation, experimentation, and validation.

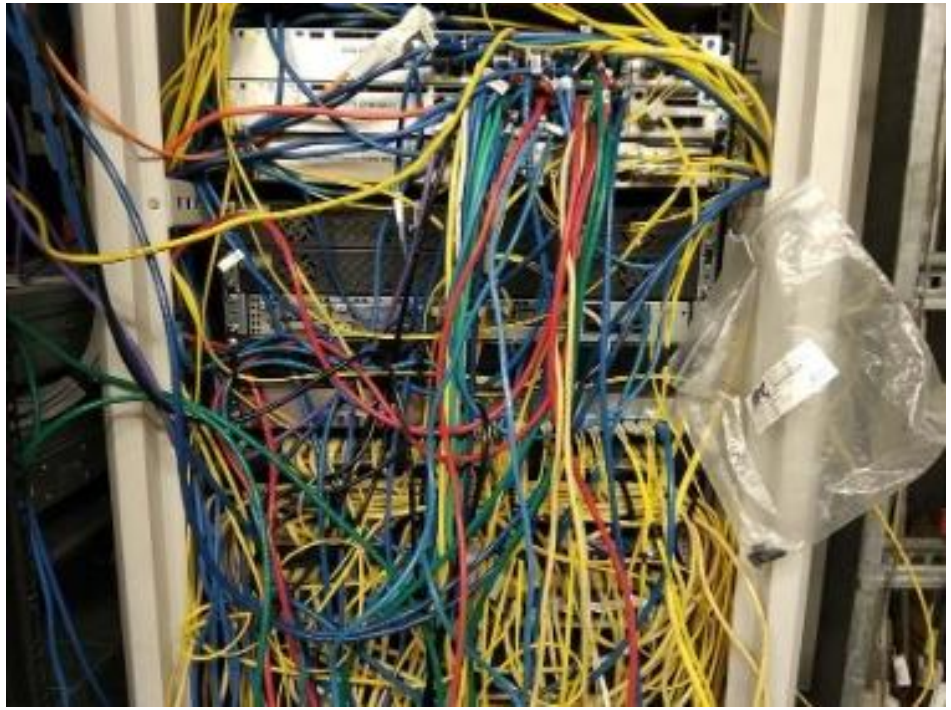
Marta Burocchi (Namex)
Giancarlo Viola (GARR)

Agenda

- Why NG-OpenLab
- The idea
- What we want to offer
- Benefits for the community and vendors
- What’s Inside the Lab
- How to request

Why?

- Networks are getting more complex
  - More vendors, more protocols, more automation
- Testing in production is risky and expensive
- Virtual environments help, but hit real limits
- We need a neutral, physical space to experiment



The idea



- A shared lab across communities
- Accessible to GARR and NAMEX members
- Multi-vendor, real-world scenarios
- Not an isolated test lab, but a living environment

What we want to offer

- Testing new technologies
- Validating real multi-vendor interoperability
- Reproducing complex scenarios…
- … before deploying them in production

A Win-Win Collaboration: Community & Vendors

For NAMEX & GARR Members:

- Test & validate new technologies before production
- Test multi-vendor interoperability
- Share operational knowledge & best practices
- Drive continuous innovation

For Vendors:

- **Direct Showcase:** visibility across 300+ operators, ISPs & universities
- **Real-world Interoperability:** stress-test gear in live multi-vendor setups
- **Community Engagement:** host joint workshops and validate complex use cases

What’s inside the OpenLAB

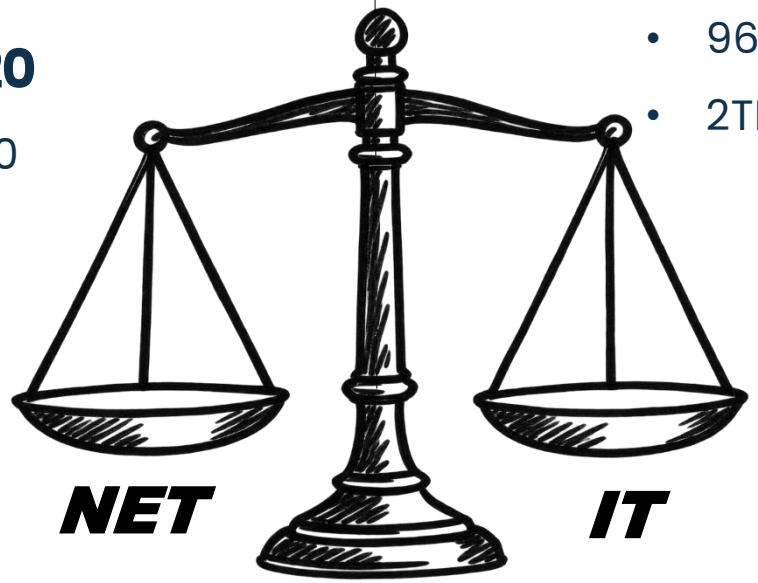
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What's inside LAB

now...

- 4x **Juniper** qfx5120-48y-8c
- 4x **Arista** DCS-7020SR-24C2
- 4x **Mellanox** MSN2010-CB2R
- 3x **DELL PowerEdge C6420**
  - 16Core Intel Xeon Gold 6130
  - 256G RAM
  - 6TByte HDD



coming soon...

- 4x **Nokia** 7220 IXR-D2L
- 6x **DELL PowerEdge R440**
  - 10Core Intel Xeon Silver 4210R
  - 96G RAM
  - 2TByte HDD

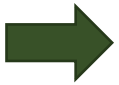
OpenLab description

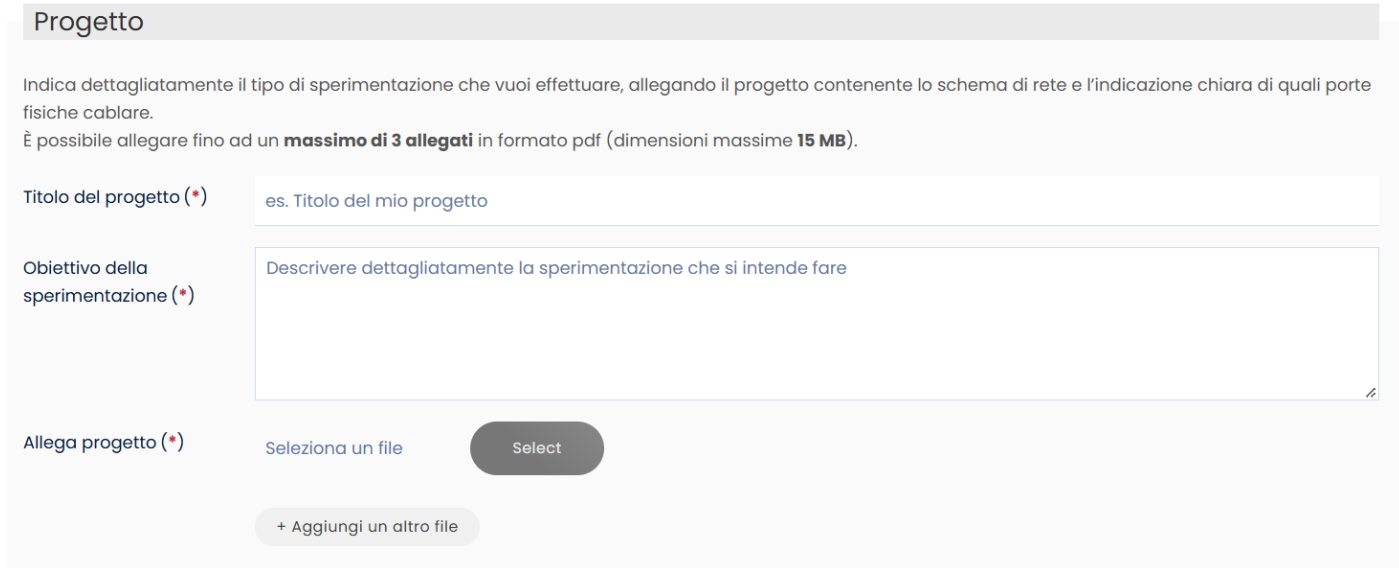


https://ngopenlab.it/

How to request a LAB

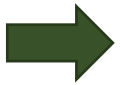


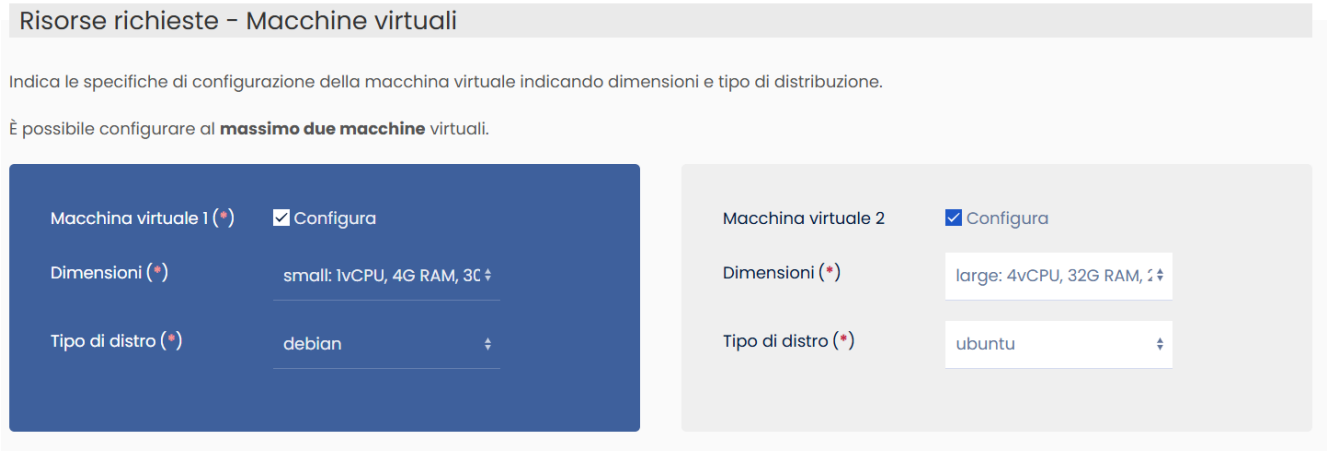




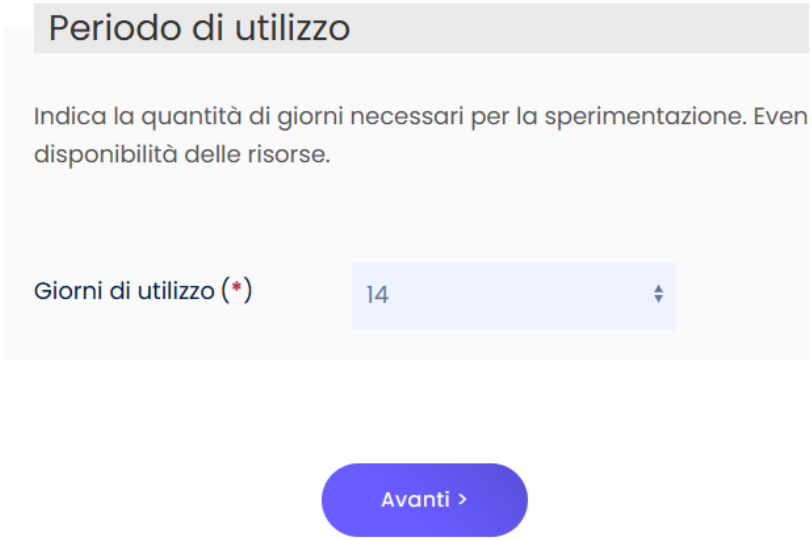
How to request a LAB







How to request a LAB



recap page **send**

How to request a LAB







- ✓ **Feasibility**
- ✓ **Fit with the applicant's organization mission**
- ✓ **Solutions that benefit the community**



Resource allocation

Do you need info?

Are you a user?  **info@ngopenlab.it**

Are you a Vendor?  **join@ngopenlab.it**

Subscribe to newsletter

news@ngopenlab.it



...enjoy NGOpenLAB!

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