

Curriculum

Personal details:

- Alessandro Italiano
- Date of birth: 01, 11, 1977
- Nationality: Italian
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Education and Training:

- Telecommunications engineering degree - Bologna University
- Thesis: Deployment and monitoring of multicast protocols on a Geographic network
- RedHat Certified System Administrator. Certification Number: 170-236-368

Work experience:

- Date: 10/1999 to now
- INFN [Italian National Institute for Nuclear Physics]
- Sector: public research
- Position: Technician collaborator
- Activities:
 - Until 2011 Computing farm administrator at INFN LHC Tier1 Center in Bologna, 200k CPUs
 - Currently Computing farm administrator at INFN LHC Tier2 in Bari, 35k CPUs

Skills and competencies:

- HTC and HPC Linux cluster Design, Implementation and Administration using Puppet
- High level Batch system Implementation and Administration
- K8s cluster Design, Implementation and Administration using Puppet
- High level deployment on k8s using FLUX
- Python software development
- Storage cluster Design, Implementation and Administration up to 6PB exploited through IBM Spectrum Scale[aka GPFS]
 - Several Storage systems. Huawei OceanStore 2600 V5, Dell ME4084. Lenovo DE4000H
- GRID services administration for distributed computing
- CLOUD service Design, Implementing and Administration both computing/storage and network exploiting Openstack, both VM and Container
- TCP/IP router Implementation and Administration, HUAWEI CE 12800. HUAWEI CE 16816
- Zeek(BRO) IDS Design, Implementing and Administration
- Design, Implementation and Administration of a NGFW, Fortigate 2600F
- IT automation using Puppet and module Developing
- Elasticsearch cluster Design, Implementing and Administration
- Being involved in several European funded projects for distributed computing like, EGEE, EGI, INDIGO-DataCloud, eXtreme Data Cloud and DEEP-HybridCloud

Main articles:

- Geographically distributed Batch System as a Service: the INDIGO-DataCloud approach exploiting HTCondor
- WNoDeS, a tool for integrated Grid and Cloud access and computing farm virtualization

- Pilot production grid infrastructure for high energy physics applications.
- The INFN GRID testbed.
- A comparison of data-access platforms for computing of Large Hadron Collider experiment.
- Deployment of job priority mechanisms in Italian Cloud of the ATLAS experiment.
- A comparison of data-access platforms for BaBar and ALICE analysis computing model at the Italian Tier1.
- Storage management solutions and performance tests at the INFN tier-1
- Enabling a priority-based fair share in the EGEE infrastructure

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base all'art. 13 del D. Lgs. 196/2003 e all'art. 13 GDPR 679/16.