

## **Biography**

*Belmiro RODRIGUES MOREIRA*

Belmiro Moreira joined CERN IT Department in 2009. Since then he is working in virtualization and cloud computing projects. He participated in the implementation of the Service Consolidation project that uses Microsoft technologies. The service is in production and has more than 600 virtual machines.

He is involved in the LxCloud project, a cloud infrastructure using open-source software (Linux, Opennebula, Xen, KVM). The service is in production and has about 500 virtual machines running grid jobs. He is responsible for the implementation of the image distribution system using the bittorrent protocol and several monitoring tools in the infrastructure. He participated actively in the Platform LSF scalability tests where LxCloud managed more than 16000 virtual machines. Also, he is the responsible for the evaluation of the Platform ISF at CERN.

Now he is actively working in the Agile Infrastructure project to build the CERN internal cloud. He is working in the Openstack configuration.

Before join CERN he worked as mathematics teacher.

Belmiro Moreira is graduated in Mathematics and also he has an integrated MSc in Informatics and Computer Engineering.

He is the author of several papers related with HPC, virtualization and cloud computing and he has an active role in the HEPIX virtualization working group.

