Content:
In this contribution, we present the development of an Openstack cloud based platform aiming at providing a core facility dedicated to eTRIKS, a European project for Knowledge Management in biomedical field of research.

Drug developments and study of populations for biomarker discovery induce the treatment and cross manipulation of large and diverse collections of heterogeneous data. Challenge is to offer a platform that would satisfy the needs of security and confidentiality of the data and the possibility of sharing common knowledge and tools.

With these constraints in mind, CC-IN2P3 has developed an original storage-computing platform to meet the need of the eTRIKS project. A basic module is composed of a virtual machine with attached user and database storage. This basic module can be replicated for each new project joining the eTRIKS collaboration. On top of this, a set of collaborative services is provided. The user authentication, access rights, roles and privileges are described through an LDAP directory.

The contribution will focus on the description of the eTRIKS platform and on its utilization by the first hosted projects. Possible improvements are also presented.

Primary authors: Dr. RAHAL, Ghita (IN2P3/CNRS)
Co-authors:
Presenter: Dr. LIU, Pengfei (CC-IN2P3/CNRS)

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