



Contribution ID: 125

Type: **Poster**

## **A comparison between xen and kvm**

### **Project(s) or EGEE activity presenting the demo or poster (project or activity names only)**

This is an activity carried on by the italian Tier1 center in the virtualization area

### **Special requirements other than the set up mentioned in the CfA text.**

Nothing

### **Abstract**

Virtualization is a proven software technology that is rapidly transforming the IT landscape and fundamentally changing the way that people compute. Recently all major software producers (e.g. Microsoft and RedHat) developed or acquired virtualization technologies. Our institute is a Tier1 for LHC experiments and is experiencing lots of benefits from virtualization technologies, like improving fault tolerance, providing efficient hardware resource usage and increasing security. Currently the virtualization solution adopted is xen, which is well supported by the SL distribution, widely adopted by the HEP community. Since the HEP linux is based on RedHat ES, we feel the need to investigate performances and usability differences with the new kvm technology recently acquired by RedHat. This poster will show all the comparative results we got and will show very interesting results. Literature is quite poor of comparatives, so we think this is really an interesting poster to be shown.

**Authors:** Mr CHIERICI, Andrea (INFN-CNAF); Mr RICCARDO, Veraldi (INFN-CNAF)

**Presenter:** Mr CHIERICI, Andrea (INFN-CNAF)