

A photograph of a bright blue sky filled with fluffy white cumulus clouds. The clouds are scattered across the frame, with some larger, more prominent ones on the right side and smaller, wispy ones on the left. The overall scene is bright and clear.

# **Batch Virtualization coordination**

(and cloud computing at CERN)

## Adjustments needed:

- Availability of people
- New LSF master is late
- No solution for dynamic hosts, may have to go for static configuration

## Description

## Due

- |  |                         |
|--|-------------------------|
| • First virtual machines based on ISF in production system | 26/11/2010              |
| • ONE production master ready                              | 6/12/2010               |
| • LSF master replacement                                   | 19/11/2010 no new date  |
| • First dynamic virtual nodes in the production system     | 29/11/2010 no new date  |
| • 96 virtual machines in the production system             | 23/12/2010              |
| • First SLC6 release                                       | 17/01/2011 (assumption) |
| • Migration to SLC6 on hypervisors                         | 23/02/2011              |
| • First SLC6 golden node                                   | 14/03/2011              |
| • First SLC6 worker node                                   | 15/03/2011              |

- ▶ ISF status (Belmiro)
  - ▶ Master node status
  - ▶ Production release preparation
- ▶ ONE status (Sebastien, Ulrich)
  - ▶ Packaging issues
  - ▶ Master node installation status
- ▶ VM worker node status: Qiulan, Ulrich
  - ▶ CPU optimization and benchmarks with HS06
  - ▶ Next steps

## ▶ Dynamic hosts status

▶ Need to have the patches in first

▶ Need to compile a list of issues and contact them

Work around: static configuration in LSF for now

## Additional requirements:

- Need to request egroups call for dynamic hosts
- Need a mechanism which allows (dyn.) nodes to update their CPU factor

- ▶ StratusLab:
  - ▶ Quattor component for ONE ?
  - ▶ HEPiX collaboration envisaged
  
- ▶ OpenStack
  - ▶ CPU and storage