Contribution ID: **38** Type: **Presentations**

A gridified version of rsync

Friday, 12 April 2013 11:40 (20 minutes)

Impact

This talk is of interest for server administrators that need to upload or replicate data to "the grid".

Summary

The data recorded by the Xenon dark matter collaboration resides on a single server in Italy. As this is not desirable, a fully automated system was developed to upload this data to "the grid" by performing an 'rsync-for-the-grid' like operation

Description

The data recorded by the Xenon dark matter collaboration resides on a single server in Italy. As this is not desirable, a fully automated system was developed to upload this data to "the grid" by performing an 'rsync-to-the-grid' like operation.

This 'rsync-for-the-grid' uses SSHFS to list the data on the remote server. This listing is compared against a shadow file system , which reflects the data stored on the grid. If files on the SSHFS system have been updated (or are new) then they are automatically uploaded to a storage element (SE) at Nikhef.

In this talk we will show how this 'rsync-to-the-grid' system works and how it can be applied to other projects as well.

Primary author: Mr KEIJSER, Jan Just (Nikhef)

Presenter: Mr KEIJSER, Jan Just (Nikhef)

Session Classification: Community Platforms

Track Classification: Community Platforms (Track Lead: P Solagna and M Drescher)