

ATLAS Topics for pre-CHEP WLCG workshop

I. Resources

Resources utilization so far.

Publication of pledged and unpledged resources (REBUS). Site/cloud unpledged resources for the different experiments.

CPU usage in peak time

How sites can help ATLAS to get <extra> resources in peak time

1a Networking

With the current evolution of ATLAS Computing model, network becomes as important as CPU or disk. Although sites do not have full control over network, they should pay attention to it. In the new DDM monitoring + FTS monitoring (IT-ES project) it is possible to follow the activity of scheduled transfers (FTS) so that sites have an estimate of this activity (more in monitoring session)

II. ATLAS sites

role and groups of Tier-2s

a/b/c/d Tier-2s

Tier2D

Tier-3s (Grid and off-Grid sites)

III. Distributed Computing Operations model

cloud and site support

support from ADC Operations, do sites expect more ?

communication (are sites satisfied)

notification about ATLAS on-going and scheduled activities

Distributed Computing Jamboree (~Nov 2012)

to discuss Distributed Computing matters during LS1

IV. Monitoring and Distributed Computing Information System (AGIS)

what part of ADC monitoring is useful (less useful) for sites

recent changes in the monitoring

4.1 Network usage and performance monitoring

4.1a FTS and network monitoring

ATLAS DDM + WLCG FTS monitoring, it is possible to follow the activity of scheduled transfers (FTS) so that sites have an estimate of this activity.

4.1b perfSonar (do we have an alternative, shall we agree about deployment scenario)

deployment : T1, T2D

4.1c LHCONE

Recent problematic LHCONE migrations showed that network migration is not followed carefully enough even between sites of the same country (= managed by the same NREN).

Through the FTS sonar monitoring, sites can check the transfer rate between any pair of points.

4b Sites, cloud squads and central monitoring pages

4c Site Status Board project.

Sites can see their status for different activities.

Historical view is also ready but still a lot of buttons.

Question to sites : Are squads the right level to organise training and provide support on ATLAS monitoring tools for sites.

(or training can be done during ATLAS SW&C workshops)

What type of documentation will be preferable

What forum should we use to discuss it

V. SLC6, middleware and new technologies

- xrootd :

Do we have an interest to deploy it widely enough ?

- cloud computing