

Monitoring file transfers

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FTS statistics 01-07-2006 – 31-12-2006:

aborted	14
completed	44868
failed	225574

1237 failed transfers per day

AGENT_ERROR	18996
TRANSFER_ERROR	29384
DEST_SRM_ERROR	132151
SOURCE_SRM_ERROR	53882
NETWORK_ERROR	341

- Monitoring file transfers is not easy
 - You often don't know as a site admin that a file transfer has failed
 - ▶ Generally you don't get the information the user gets. You only get this kind of information from your own FTS' oracle db
 - ▶ Monitoring all the logs (pools, gridftp servers, srm's) on all nodes is not easy due to volume and size and the wide variety of error messages
 - ▶ Sometimes error messages are not clear about the source of the failed transfer
 - Failures in services are sometimes only noticed when you actually invoke them. They can be pinged but are not doing anything

- Monitoring file transfers is not easy
 - File transfers involves multiple sites. Site admins see only one end of the line. So you don't have all the information
 - The number of failed transfers that you have to chase.....

- How can we solve this?
 - Users reporting problems when they encounter them is always useful
 - T0/1s monitor their FTS'oracle db for error messages
 - Central logging facility for the FTS? Put the columns that are of interest in R-GMA, then displayed in GridView maybe?
 - But what about the none FTS-based transfers?