

Data Transfer from Madison to Zeuthen with Gridftp

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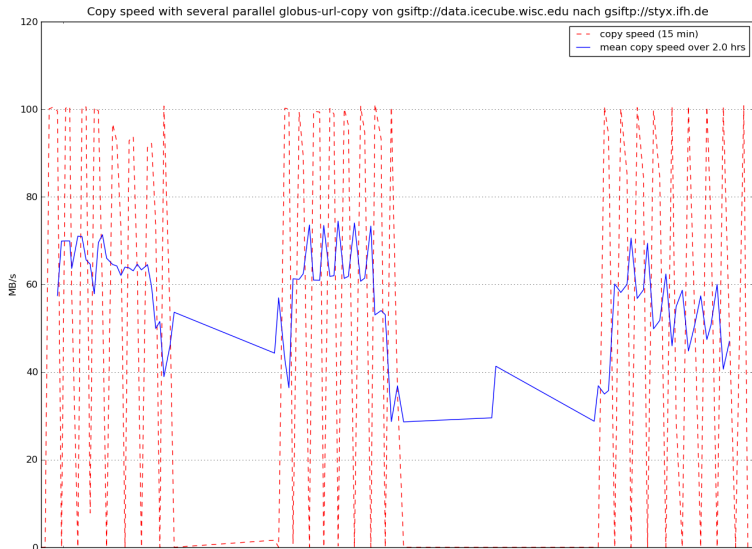
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1 Introduction

2 Data Transfer

- using globus-url-copy version 5.7
- small python script:
 - ▶ creates job lists from config files (xml)
 - ▶ automatically checks the data integrity after transport and restarts if necessary
 - ▶ calculate copy speed
- used globus-url-options:
 - ▶ transfers from Madison from `gsiftp://data1.icecube.wisc.edu` or `gsiftp://data.icecube.wisc.edu`
 - ▶ to Zeuthen `gsiftp://gridftp.ifh.de/pnfs/ifh.de` (dCache) or `'gsiftp://styx.ifh.de` (Lustre)
 - ▶ `globus-url-copy -g2 -r -nodcau -fast -p 10 -cc 10 -tcp-bs 8M -bs 32M -rst -rst-retries 20 -rst-interval 20 source target`

Data Transfer Speed I



- example was `/data/exp/IceCube/2010/filtered/DSTIC79`
- average file size was 27 MB
- 802 GB in 6 hours
- average speed 37 MB/s
- hash check needs a lot of time!
- more time for small files needed!