

Tests to and on pbstore

Diskio

- Using diskspeed
- 23/01/2009 09:00 AEDT
- 10 GB average 557 Mbps 70 MB/sec
- 2x5 GB simultaneous 200/205 Mbps

Network

- Using iperf
- 23-Jan 2008 13:30 AEDT

TCP Window	Rate (Mbps)
512	102
768	111
1024	121

Gridftp

Default

globus-url-copy -vb file:/dev/zero gsiftp:pbstore.ivec.org/dev/null

~ 15 MB/sec

Set TCP window size

globus-url-copy -vb -tcp-bs XXXX file:/dev/zero gsiftp:pbstore.ivec.org/dev/null

XXXX	Rate	
none	~ 15 MB/sec	13.9 MB/sec
5000000	13.5 MB/sec	
10000000	~15 MB/sec	
20000000	~15 MB/sec	13.1 MB/sec
40000000	~15 MB/sec	
80000000	~15.4 MB/sec	
120000000	13.1 MB/sec	

Number of Parallels streams

globus-url-copy -vb -p NN file:/dev/zero gsiftp:pbstore.ivec.org/dev/null

NN	Rate		
2	15.8 MB/sec		
4	17.6 MB.sec		
8	21.23 MB/sec		
12	21.5 MB/sec		
16			
20	23.8	19.9	21.9
30	27.1		
40	26.4		
50	30.1		
70	31.3		

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