



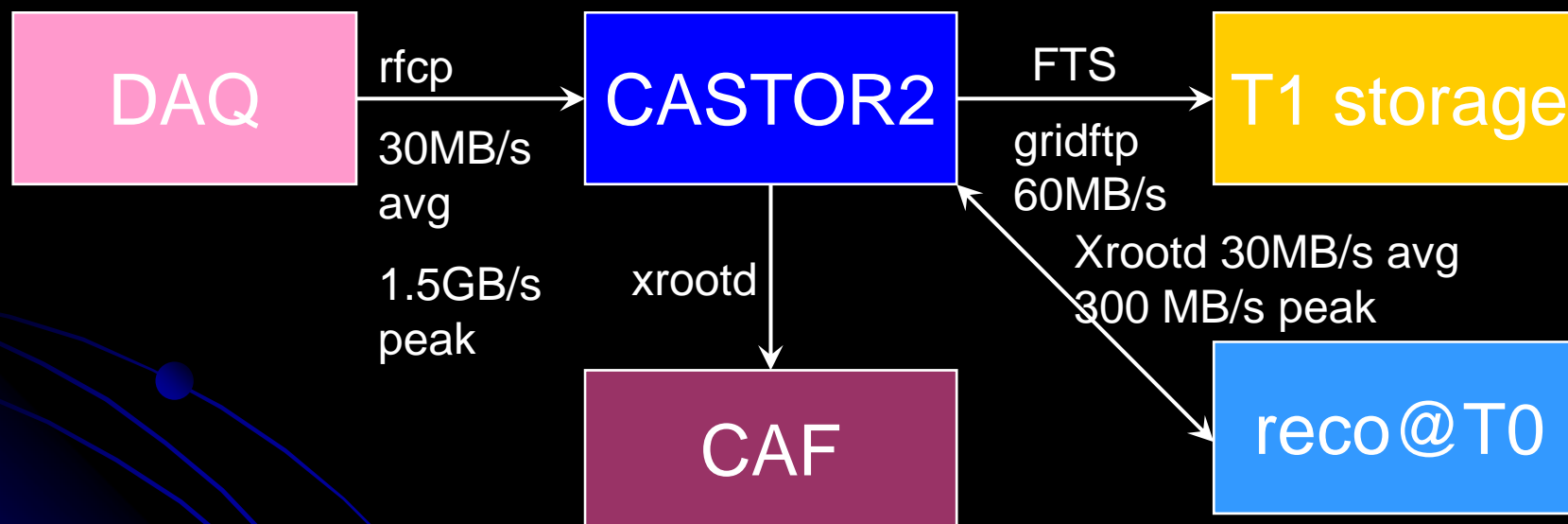
ALICE requirements for February phase of CCRC'08

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CCRC F2F, January 10, 2008

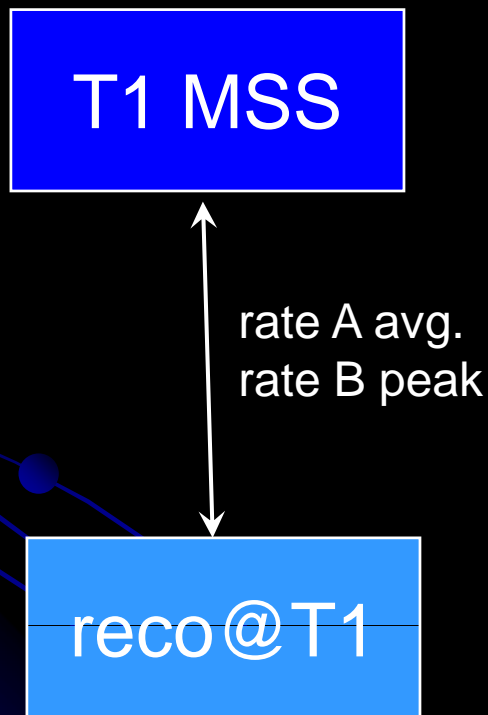
ALICE commissioning run – February 4-29 2007

- Second common data taking exercise with partial ALICE detector setup
- First CR ran 10-21 December 2007
 - Post-mortem analysis of the exercise is going on now
- 15-16 January 2008 – CR analysis and planning workshop
 - True detector rates, volumes of data and consequently the CCRC'08 ALICE metrics will come out of this workshop

Data taking, replication to T1s, reconstruction and CAF at T0



Reconstruction at T1s



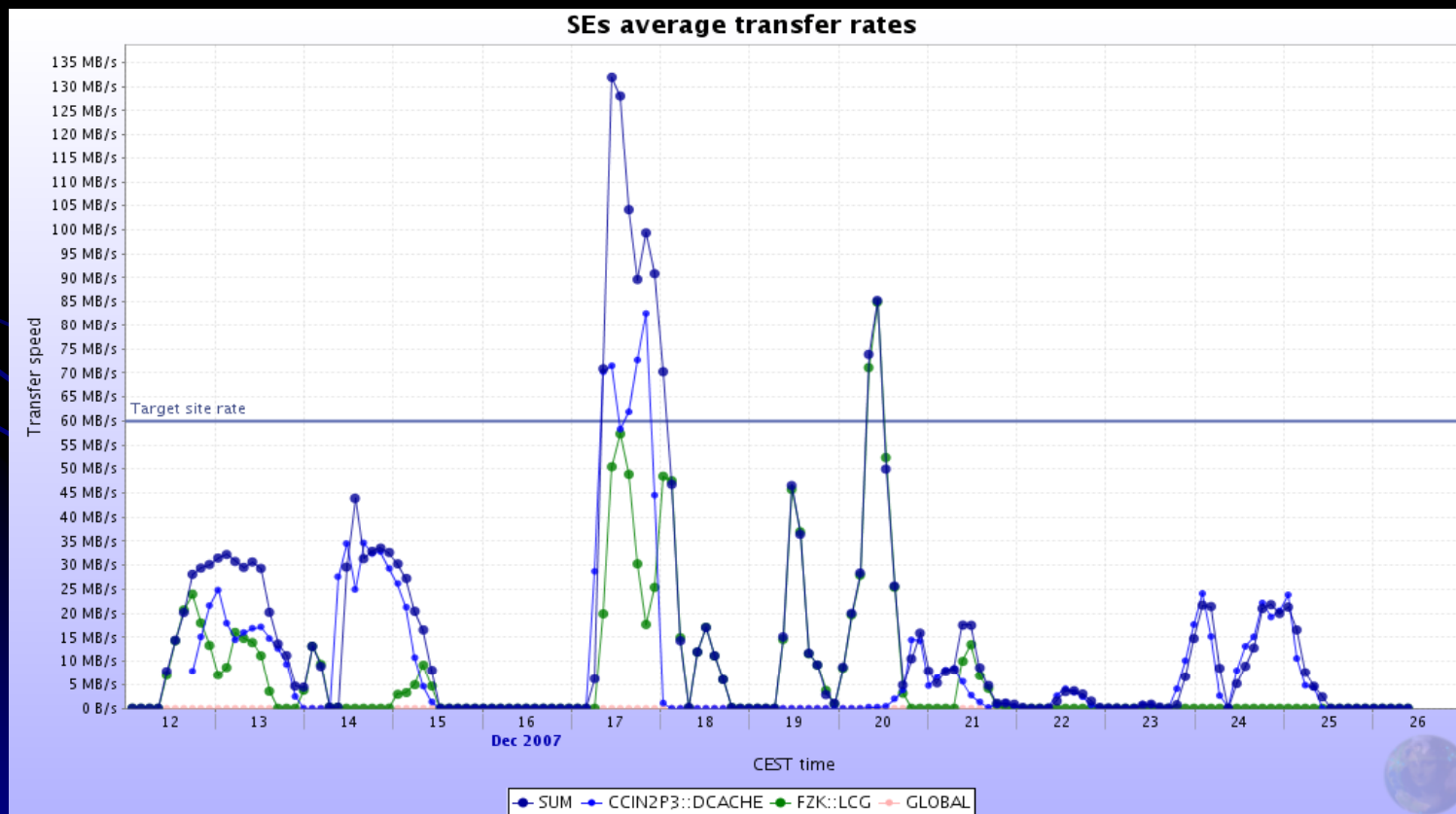
T1	Rate A (MB/s)	Rate B (MB/s)
CCIN2P3	5	300
CNAF	5	300
GridKA	12.5	300
NDGF	5	300
RAL	1.4	300
T1-NL	1.4	300

Activities table

Activity	Week1	Week2	Week3	Week4
Data Taking	✓	✓	✓	✓
Data replication to T1s	✓	✓	✓	✓
Raw data processing to ESDs, Pass 1 at T0, Pass 2 at T1s	✓	✓	✓	✓
MC production	✓	✓	✓	✓

FTS

- December exercise already used it for two T1s (GridKA, CCIN2P3)
 - Replication only of RAW data
 - Continuous rate was not a goal



Site readiness

- FTS endpoints set up and working at CCIN2P3 and GridKA
 - For February, it is just a question of adding more resources to these
 - In addition, the 'recyclable' endpoint should be configured everywhere
- T-NL, NDGF (dCache) – copy of existing configuration
- CNAF, RAL (CASTOR2) – more complex issue, need CERN operational experience

Services and criticality

ALICE Wiki: <http://twiki.cern.ch/twiki//bin/view/ALICE/CCRC08>

Critical service list

<u>Rank</u>	<u>Definition</u>	<u>Max downtime (hrs)</u>
10	Critical	2
7	Serious disruption	8
5	Reduced efficiency	12

<u>Service</u>	<u>Rank</u>	<u>Comment</u>
Site VO boxes	10	If restored within 2 hours - no loss of jobs
CASTOR2+xrootd@T0	10	Same as above
MSS@T1s	7	
FTS T0->T1	5	Will affect primarily second pass reconstruction at T1s
gLite WMS or RB	5	Failover mechanism 1/3 used, efficiency will be affected if all 3 fail
PROOF@CAF	5	Especially relevant during daytime

Services and criticality

- The set of services and criticality level in February will be the same as in December CCRC
 - In that sense, we are already using the majority of services

Summary December test and follow-up

- Functional test of all building blocks for February CCRC
- No problems observed with workload management
- Concentrating on data management
- FTS is performing well
 - Site configurations are clear (and working) at two T1s
 - For the remaining T1s, we will use the same logic/structure