

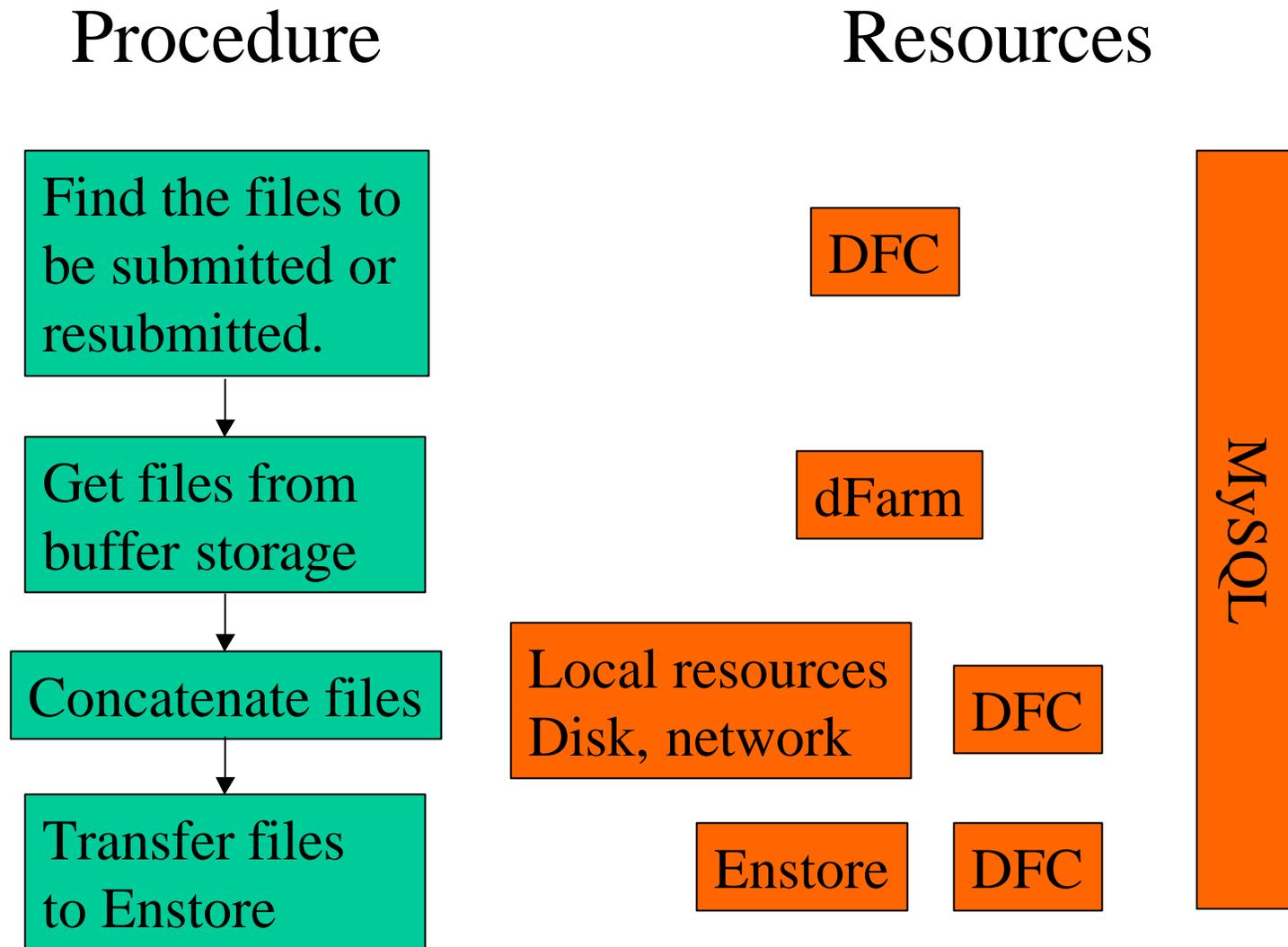
Concatenation and throughput

- Principle of concatenation
- Concatenating procedure
- Issues
- Suggestions
- Throughput

Principle of concatenation

- Be persistent in putting the files out.
 - In case of error send out the message
 - Keep trying
 - 100 times in calling AC++Dump
 - Resubmit the job

Concatenating



Issues and suggestions

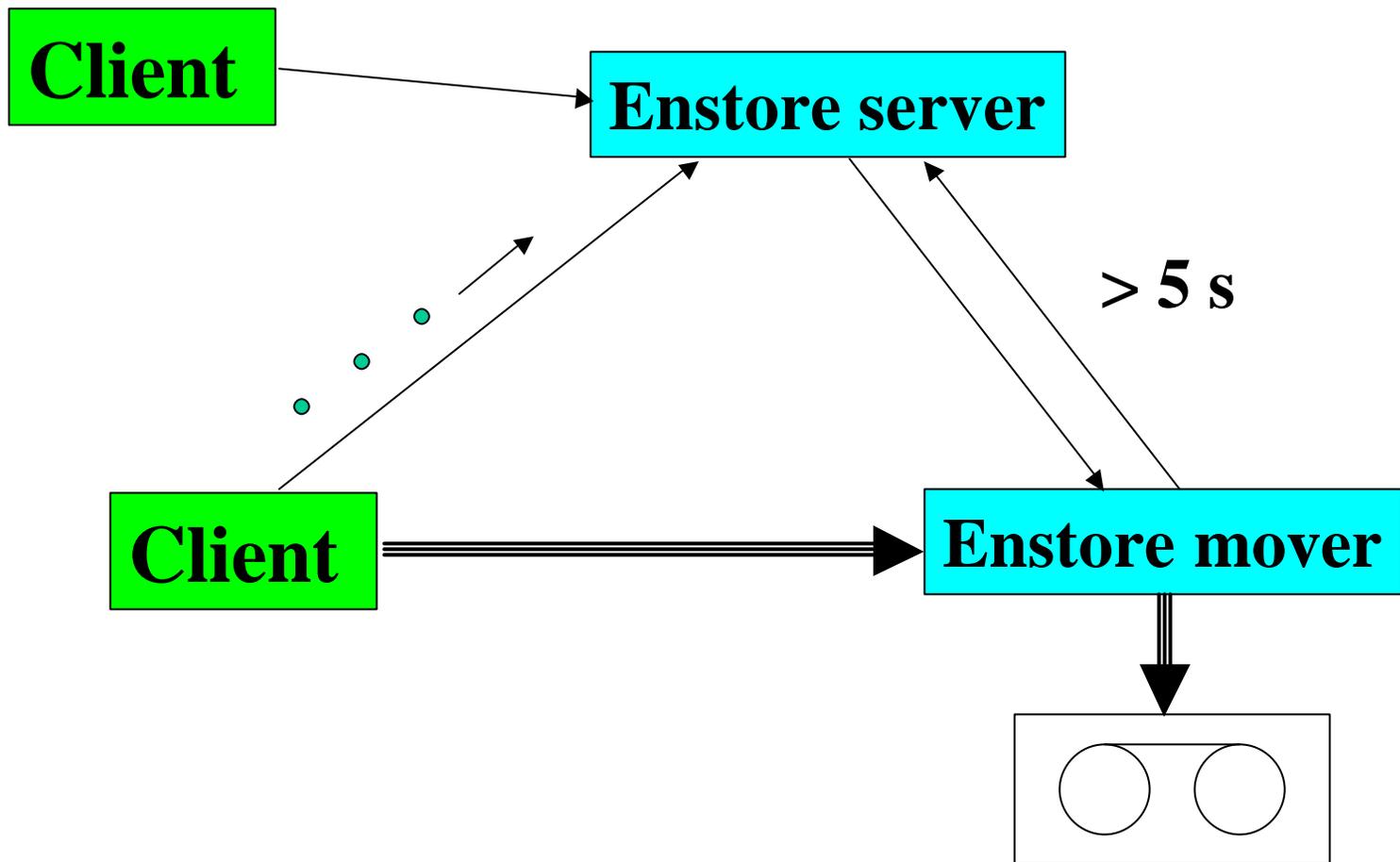
Issues

- Broken files could happen when dFarm is filled up.
- Files could be lost if stay inside dFarm for too long.
- One encp per dataset.
- Accessing MySQL history table takes too much time.

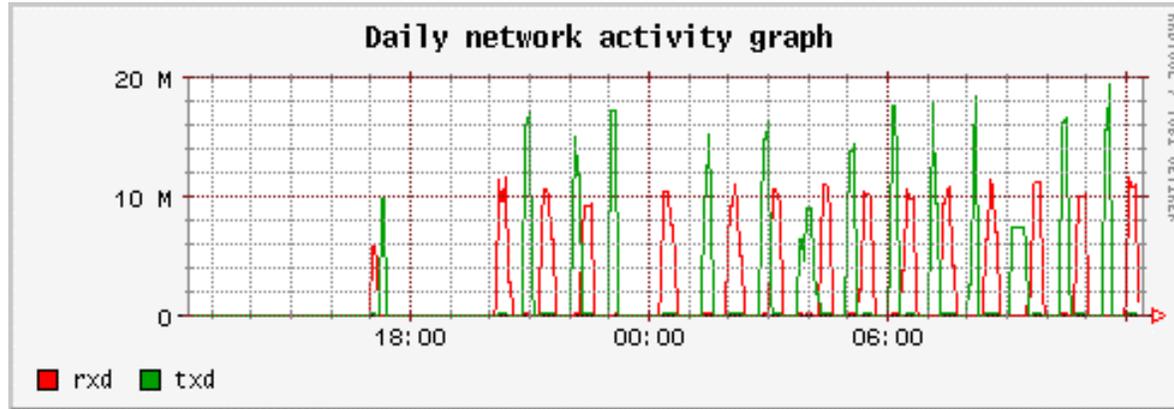
Suggestions

- Set threshold of dFarm space (1TB)
- Add file servers to dFarm and increase the number of copies to 3.
- Mixed encp.
- Update the current table for the whole fileset before moving them into the history table.

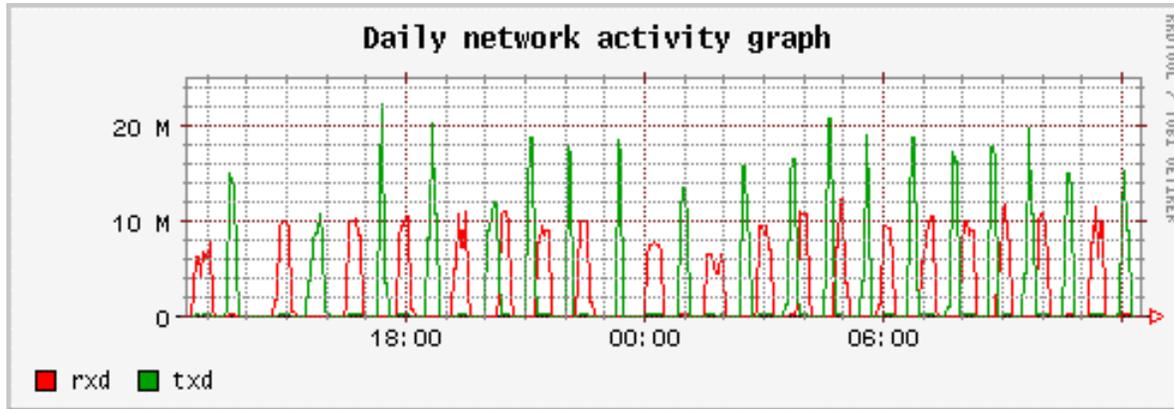
Writing to Enstore



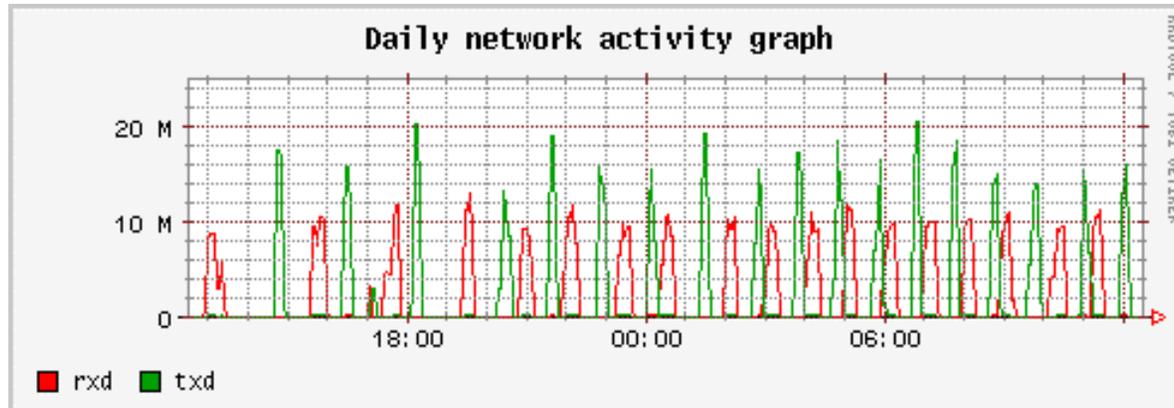
259



261



263



Throughput

	throughput(MB/s)	events/day
last 8 hour	17.7 MB/s 5.9 MB/s	3.5 M x 3 = 10.5 M 5.1 M (jpmmm0c only)
-1 day	12.9 MB/s	6.8 M
-2 day	18.5 MB/s	9.1 M
-3 day	14.1 MB/s	7.3 M
-4 day	18.1 MB/s	9.8 M
-5 day	15.5 MB/s	8.7 M
-6 day	13.7 MB/s	5.3 M