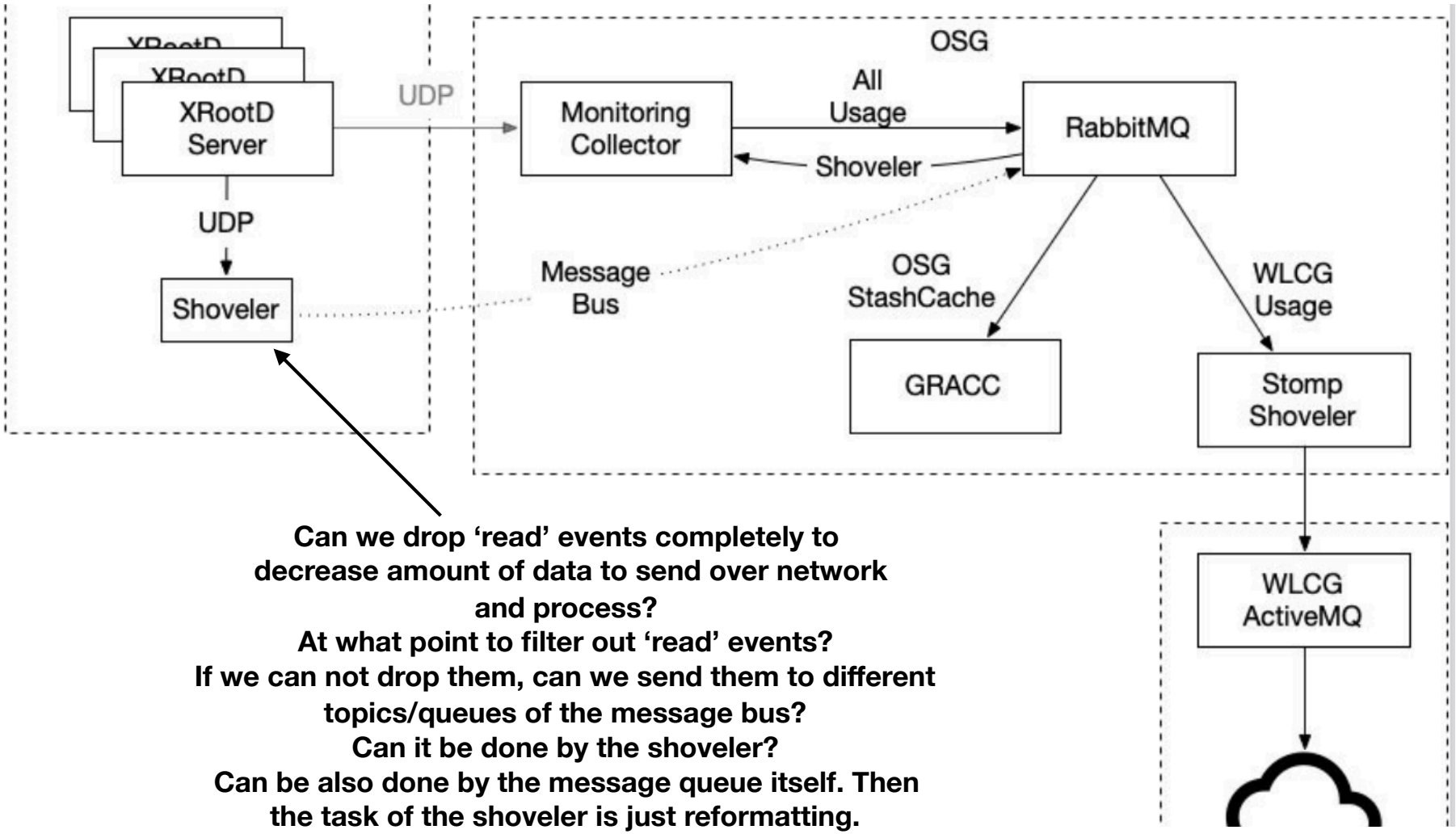
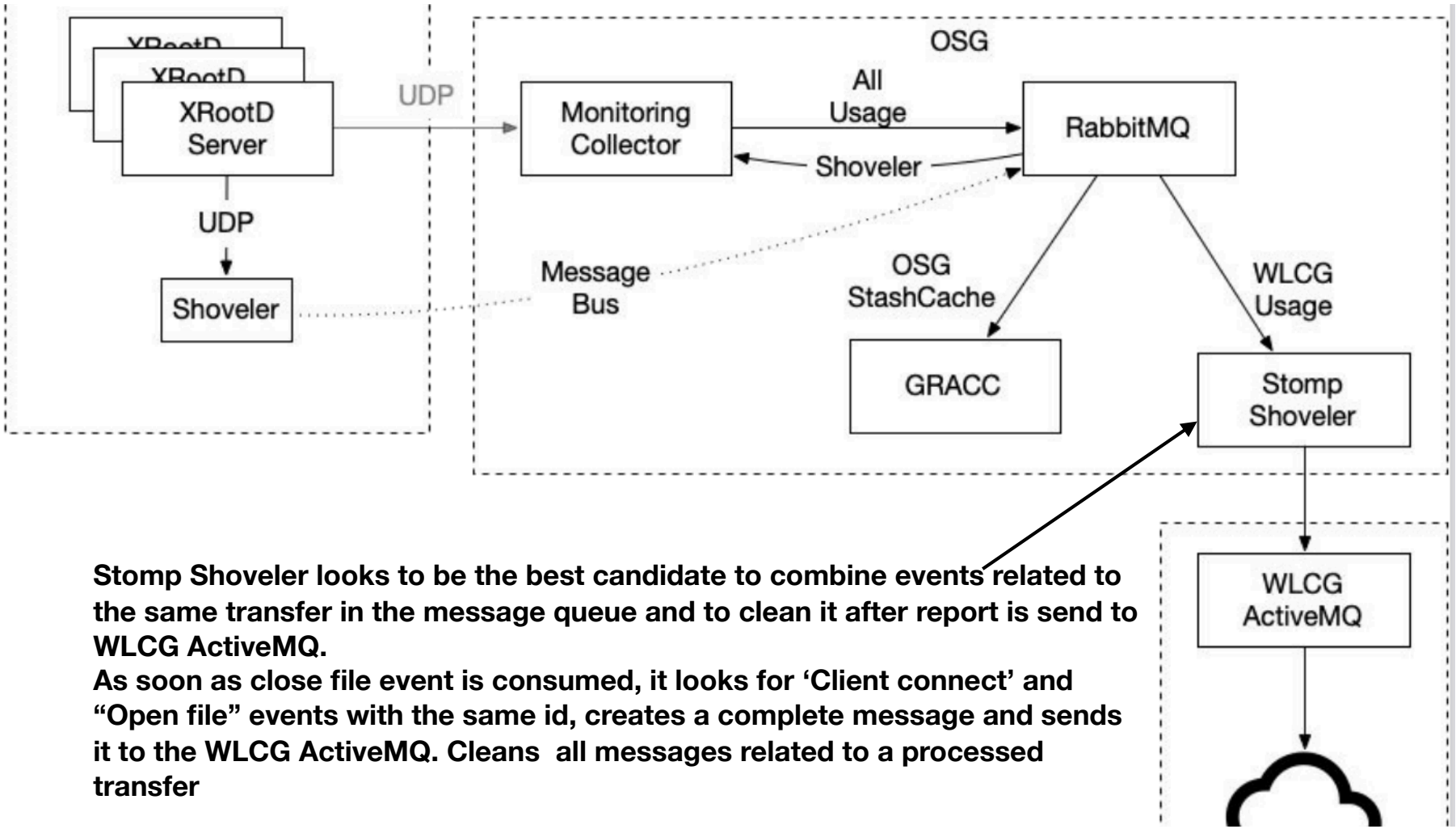
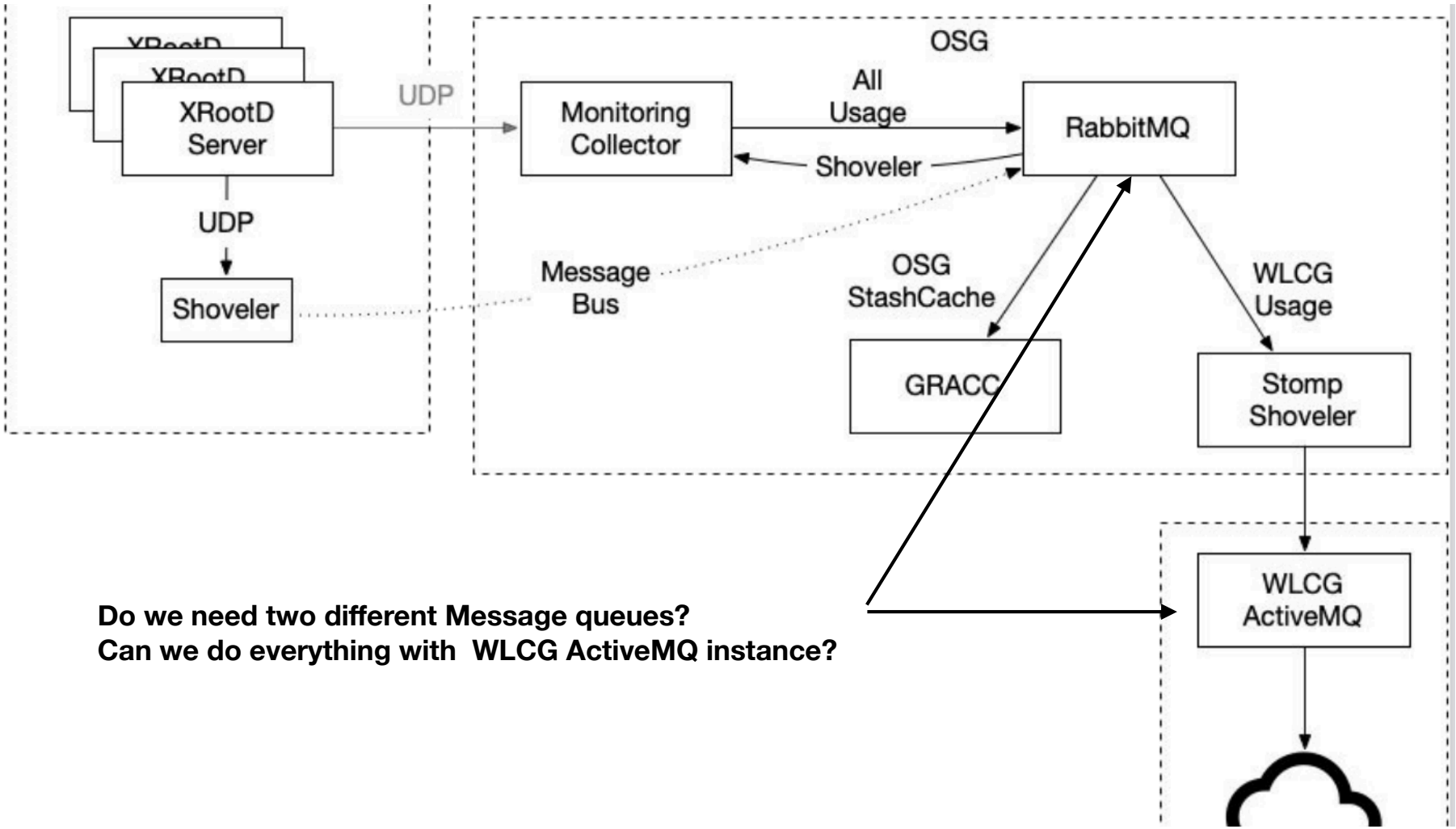


Can we drop 'read' events completely to decrease amount of data to send over network and process?
At what point to filter out 'read' events?
If we can not drop them, can we send them to different topics/queues of the message bus?
Can it be done by the shoveler?
Can be also done by the message queue itself. Then the task of the shoveler is just reformatting.



Stomp Shoveler looks to be the best candidate to combine events related to the same transfer in the message queue and to clean it after report is send to WLCG ActiveMQ.
As soon as close file event is consumed, it looks for 'Client connect' and "Open file" events with the same id, creates a complete message and sends it to the WLCG ActiveMQ. Cleans all messages related to a processed transfer



Do we need two different Message queues?
Can we do everything with WLCG ActiveMQ instance?

How many instances of all those components do we need?

1 shoveler per site. Should be a part of xrootd distribution.

For “Rabbit MQ” component in the current schema (if we do not go just with WLCG ActiveMQ) and Stomp shoveler we need to get better estimation of amount of data to be processed and plan accordingly.