

Orch

Sched

Agg

devnull

request for a new job (submit gets lost)

initial request

requestJob(last_job_id="-")

get_next_job(worker_id=Agg, last_job_id)

the scheduler leaves the job in the pending queue

Job(1)

the submitJob message gets lost

submitJob(job_id=1)

requestJob(last_job_id="-")

get_next_job(worker_id=Agg, last_job_id)

the job is still at the front of the pending queue

Job(1)

submitJob(job_id=1)

submitJobAck(job_id=1)

now it is safe to move the job from the pending into the submitted queue

acknowledge(worker_id=Agg, job_id=1)

