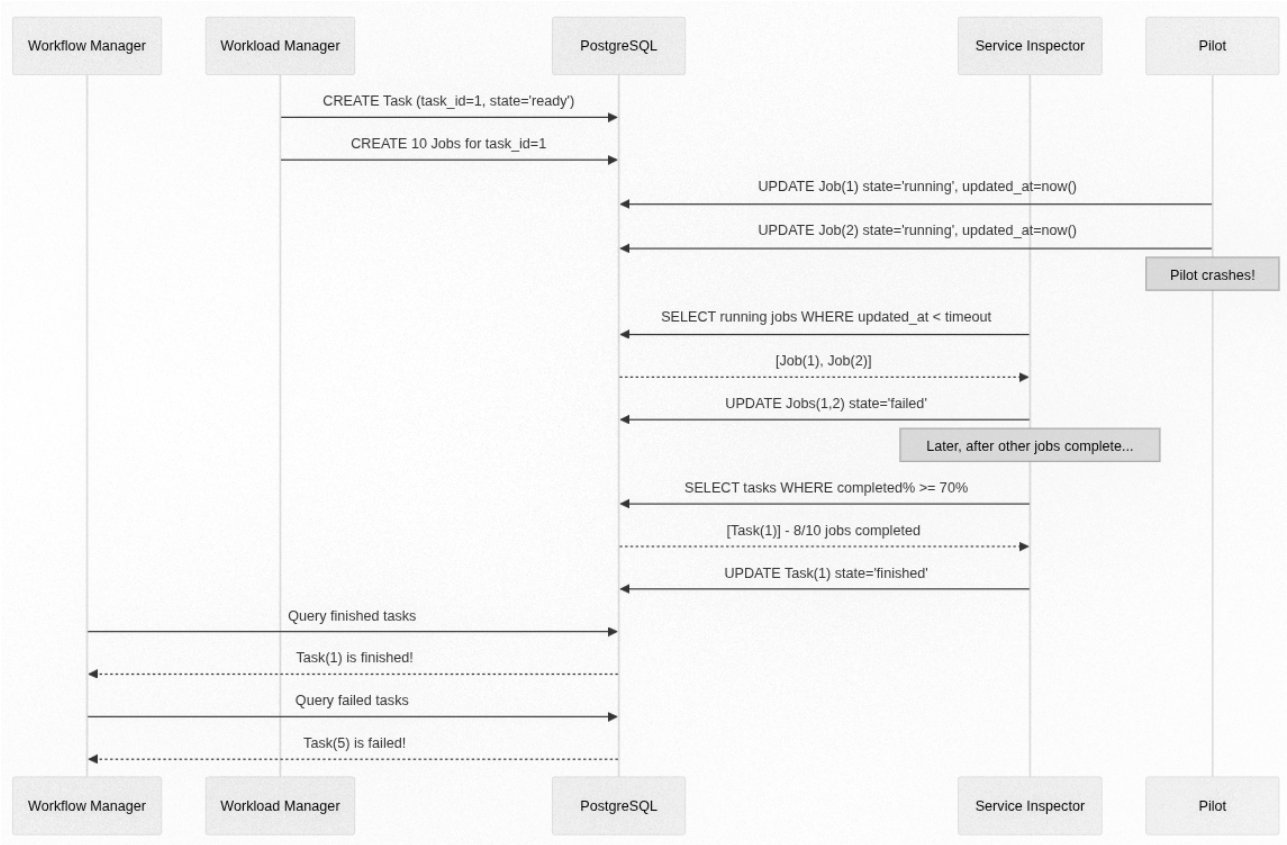

Workflow Manager
Workload Manager
PostgreSQL
Service Inspector
Pilot
CREATE Task (task_id=1, state='ready')
CREATE 10 Jobs for task_id=1
UPDATE Job(1) state='running', updated_at=now()
UPDATE Job(2) state='running', updated_at=now()
Pilot crashes!
SELECT running jobs WHERE updated_at < timeout
[Job(1), Job(2)]
UPDATE Jobs(1,2) state='failed'
Later, after other jobs complete...
SELECT tasks WHERE completed% >= 70%
[Task(1)] - 8/10 jobs completed
UPDATE Task(1) state='finished'
Query finished tasks
Task(1) is finished!
Query failed tasks
Task(5) is failed!
Workflow Manager
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