Details for Query 1
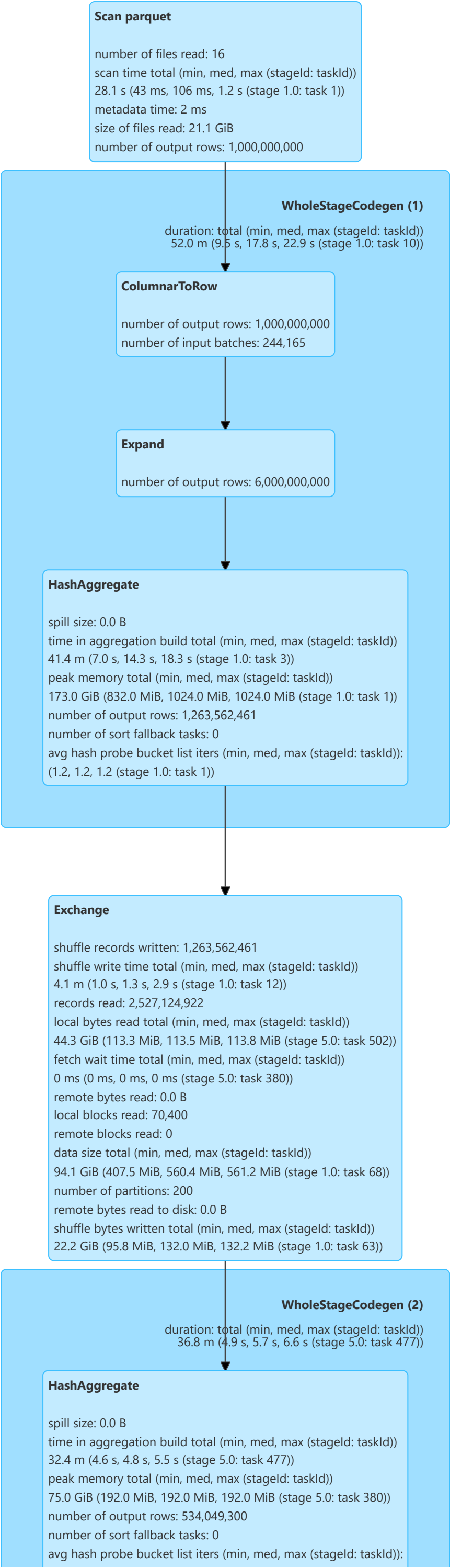
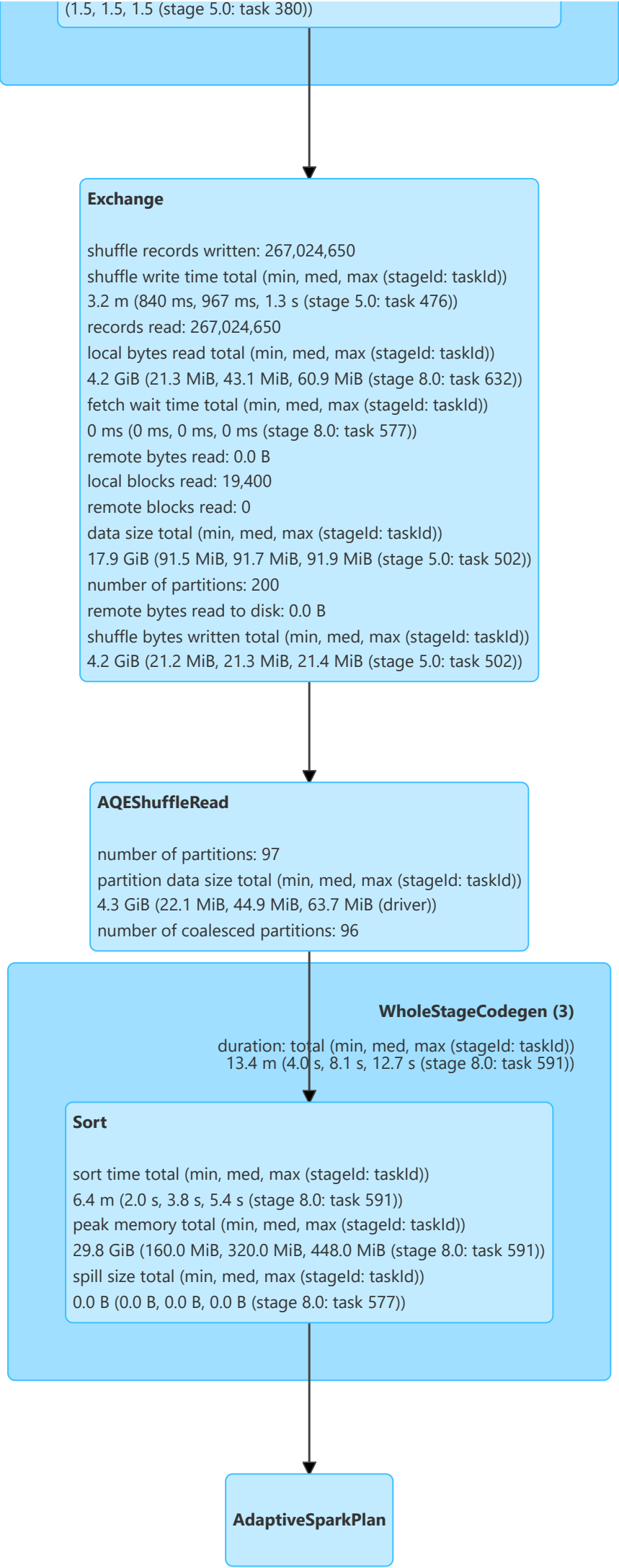**Submitted Time:** 2023/12/02 08:43:53
Duration: 27 min
Succeeded Jobs: 1 2 3 4

☑ Show the Stage ID and Task ID that corresponds to the max metric

Scan parquet

number of files read: 16

scan time total (min, med, max (stageId: taskId))
28.1 s (43 ms, 106 ms, 1.2 s (stage 1.0: task 1))

metadata time: 2 ms

size of files read: 21.1 GiB

number of output rows: 1,000,000,000

WholeStageCodegen (1)

duration: total (min, med, max (stageId: taskId))
52.0 m (9.5 s, 17.8 s, 22.9 s (stage 1.0: task 10))

ColumnarToRow

number of output rows: 1,000,000,000
number of input batches: 244,165

Expand

number of output rows: 6,000,000,000

HashAggregate

spill size: 0.0 B

time in aggregation build total (min, med, max (stageId: taskId))
41.4 m (7.0 s, 14.3 s, 18.3 s (stage 1.0: task 3))

peak memory total (min, med, max (stageId: taskId))
173.0 GiB (832.0 MiB, 1024.0 MiB, 1024.0 MiB (stage 1.0: task 1))

number of output rows: 1,263,562,461

number of sort fallback tasks: 0

avg hash probe bucket list iters (min, med, max (stageId: taskId)):
(1.2, 1.2, 1.2 (stage 1.0: task 1))

Exchange

shuffle records written: 1,263,562,461

shuffle write time total (min, med, max (stageId: taskId))
4.1 m (1.0 s, 1.3 s, 2.9 s (stage 1.0: task 12))

records read: 2,527,124,922

local bytes read total (min, med, max (stageId: taskId))
44.3 GiB (113.3 MiB, 113.5 MiB, 113.8 MiB (stage 5.0: task 502))

fetch wait time total (min, med, max (stageId: taskId))
0 ms (0 ms, 0 ms, 0 ms (stage 5.0: task 380))

remote bytes read: 0.0 B

local blocks read: 70,400

remote blocks read: 0

data size total (min, med, max (stageId: taskId))
94.1 GiB (407.5 MiB, 560.4 MiB, 561.2 MiB (stage 1.0: task 68))

number of partitions: 200

remote bytes read to disk: 0.0 B

shuffle bytes written total (min, med, max (stageId: taskId))
22.2 GiB (95.8 MiB, 132.0 MiB, 132.2 MiB (stage 1.0: task 63))

WholeStageCodegen (2)

duration: total (min, med, max (stageId: taskId))
36.8 m (4.9 s, 5.7 s, 6.6 s (stage 5.0: task 477))

HashAggregate

spill size: 0.0 B

time in aggregation build total (min, med, max (stageId: taskId))
32.4 m (4.6 s, 4.8 s, 5.5 s (stage 5.0: task 477))

peak memory total (min, med, max (stageId: taskId))
75.0 GiB (192.0 MiB, 192.0 MiB, 192.0 MiB (stage 5.0: task 380))

number of output rows: 534,049,300

number of sort fallback tasks: 0

avg hash probe bucket list iters (min, med, max (stageId: taskId)):

(1.5, 1.5, 1.5 (stage 5.0: task 380))

Exchange

shuffle records written: 267,024,650
shuffle write time total (min, med, max (stageId: taskId))
3.2 m (840 ms, 967 ms, 1.3 s (stage 5.0: task 476))
records read: 267,024,650
local bytes read total (min, med, max (stageId: taskId))
4.2 GiB (21.3 MiB, 43.1 MiB, 60.9 MiB (stage 8.0: task 632))
fetch wait time total (min, med, max (stageId: taskId))
0 ms (0 ms, 0 ms, 0 ms (stage 8.0: task 577))
remote bytes read: 0.0 B
local blocks read: 19,400
remote blocks read: 0
data size total (min, med, max (stageId: taskId))
17.9 GiB (91.5 MiB, 91.7 MiB, 91.9 MiB (stage 5.0: task 502))
number of partitions: 200
remote bytes read to disk: 0.0 B
shuffle bytes written total (min, med, max (stageId: taskId))
4.2 GiB (21.2 MiB, 21.3 MiB, 21.4 MiB (stage 5.0: task 502))

AQEShuffleRead

number of partitions: 97
partition data size total (min, med, max (stageId: taskId))
4.3 GiB (22.1 MiB, 44.9 MiB, 63.7 MiB (driver))
number of coalesced partitions: 96

WholeStageCodegen (3)

duration: total (min, med, max (stageId: taskId))
13.4 m (4.0 s, 8.1 s, 12.7 s (stage 8.0: task 591))

Sort

sort time total (min, med, max (stageId: taskId))
6.4 m (2.0 s, 3.8 s, 5.4 s (stage 8.0: task 591))
peak memory total (min, med, max (stageId: taskId))
29.8 GiB (160.0 MiB, 320.0 MiB, 448.0 MiB (stage 8.0: task 591))
spill size total (min, med, max (stageId: taskId))
0.0 B (0.0 B, 0.0 B, 0.0 B (stage 8.0: task 577))

AdaptiveSparkPlan

▶ Details