

CPU-Minutes

CPU-Minutes is a feature introduced in Qube! 6.5, which tracks a job's "cumulative time." This is displayed in the Job Properties tab of WranglerView and ArtistView as "CPU-Minutes", and is stored internally in CPU-seconds.

Job Properties

Job Logs

Output

Dependencies

Job Id: 292

Status: Killed

Job Times

Submission time : 2014-11-18 11:02:28

Start time : 2014-11-18 11:02:29

Elapsed time : 0:02:10

Completion time : 2014-11-18 11:04:39

CPU-Minutes : 0:17:20

Average frame time : 0:00:05

For example, if a job instance or frame runs for 60 seconds, and has been allocated 3 slots, the "timecumulative" value is set to 180 when the instance or frame is complete/failed/killed. If the same job or instance is retried and is allocated 8 slots the next time around, and runs for 30 seconds, the "cumulative time" is increased by $(8 * 30) = 240$ CPU-seconds, for a new value of $180 + 240 = 420$ CPU-seconds.

We feel that CPU-Minutes is a much more accurate metric for "How much of the farm did I get?" than trying to track cores or processors.