

Test-Case	Detail
CPU-Internal	User-7 submits a CPU-intensive custom SparkSQL query just <i>after</i> Q_{43} starts.
CPU-External	We inject a CPU-intensive custom query in a seperate Spark application instance.
IO-Internal	User-7 submits a IO-intensive custom SparkSQL query at a random time.
IO-External	A large 60GB file is read in 256MB block size on every host just <i>after</i> Q_{43} starts.
Memory-Internal	User-7 caches <i>web_sales</i> table just <i>before</i> Q_{43} starts.