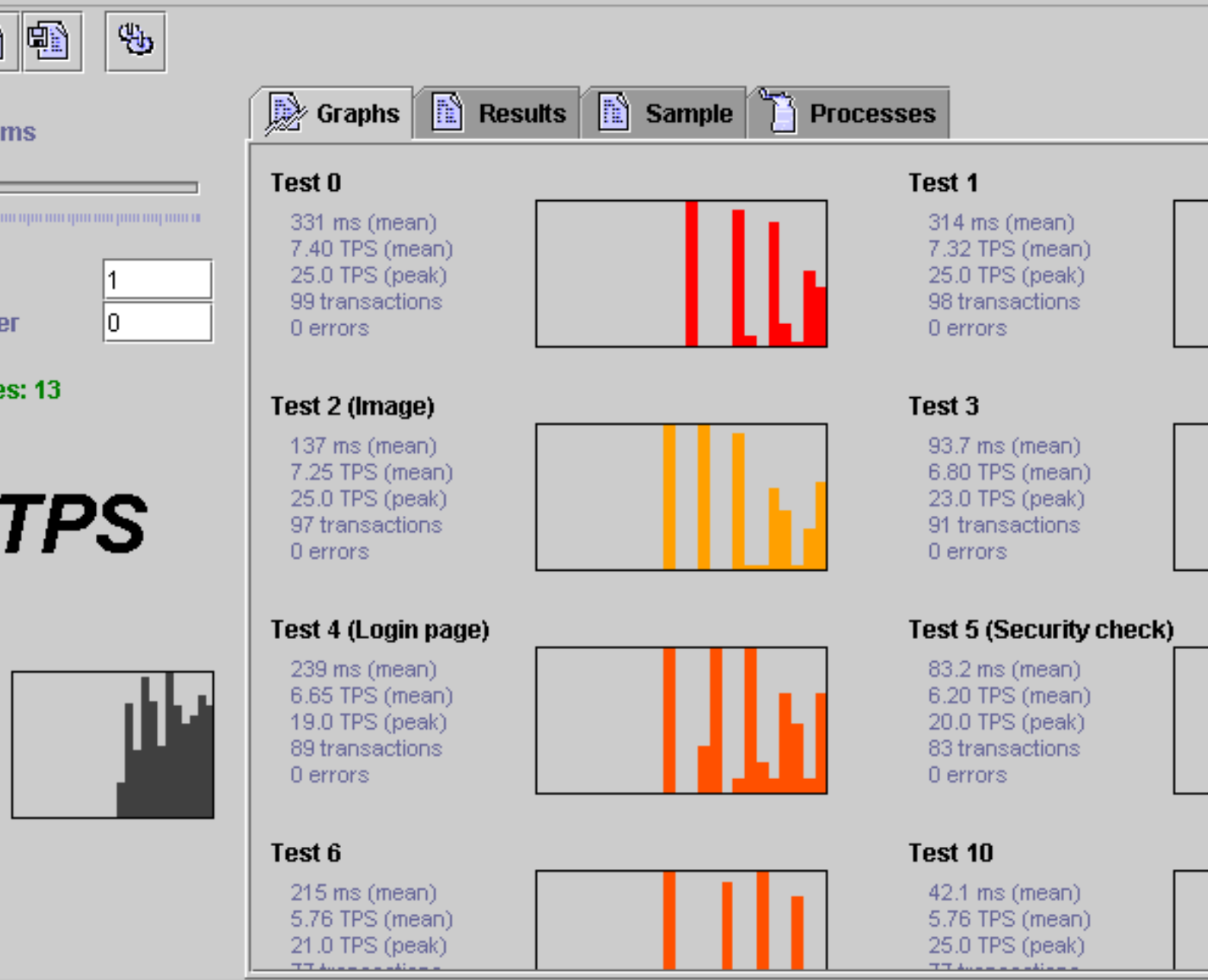


The Console

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1 Process controls

Start processes, *Reset processes* and *Stop processes* send signals to Grinder processes that are listening. (See [grinder.receiveConsoleSignals](#) (../g3/properties.html) , [grinder.grinderAddress](#) (../g3/properties.html) and [grinder.grinderPort](#) (../g3/properties.html) .)

Worker processes that are configured to receive console signals go through three states:

1. Initiated (waiting for a console signal)
2. Running (performing tests, reporting to console)
3. Finished (waiting for a console signal)

The *Start processes* control signals to worker processes that they should move into the running state. Processes that are already running ignore this signal. Processes that are in the finished state exit; the agent process will then reread the properties file and launch new worker processes in the running state.

The *Reset processes* control signals all the worker processes to exit. The agent process will then reread the properties file and launch new worker processes.

The *Stop processes* control signals all processes to exit.

Warning:

Warning - unless [grinder.appendLog](#) (`../g3/properties.html`) is true, new worker process logs will overwrite those from previous runs.

2 Sample controls

The sample controls determine how the console captures reports from the worker processes. capture. It is important to understand that these control the console behaviour *only*. For example, they do not adjust the frequency at which the worker processes send reports (see [grinder.reportToConsole.interval](#) (`../g3/properties.html`) for that). Additionally, the sample controls do not interact in any way with the process controls.

The slider controls the period at which the console will take a *sample*. This involves adding up all the reports received over that sample interval and calculating the TPS as (number of transactions that occurred)/(interval length). It is also the period at which the console graphs and statistics are updated.

By default, the console discards the first non-zero sample period, and starts updating the display and calculating totals from the second sample. A non-zero sample period is one in which an update from a worker process was received. You can adjust how many non-zero sample periods the console ignores before starting capture with the *ignore samples* text field.

The third control allows you to adjust how many samples the console will collect before stopping capture.

You can also manually start and stop the sampling with the *Capture statistics/Stop capture* control. Use the *Save statistics* control to save the current set of statistics to a file.