 Gatling

Reports

Analyze your reports thanks to the indicators, active users and requests / responses over time, and distribution

Overview

Global menu points to consolidated statistics.

Details menu points to per-request-type statistics.

> You can use the `-ro` option to generate reports from a truncated simulation.log file, for example when the run was interrupted (Ctrl+C or process killed).
>
> Note that the component in charge of logging into the simulation.log file uses a buffer, so last data might be missing if you forcefully interrupt. See **Configuration page**.

Overall Simulation charts

Most of those charts are available for both the overall simulation report and for per request/group charts.

Response time ranges

This chart shows how response times are distributed among standard ranges. The right panel show number of OK/KO requests.

> these ranges can be configured in the `gatling.conf` file.

Summary

The top panel shows some standard statistics such as min, max, average, standard deviation and percentiles globally and per request.

> these percentiles can be configured in the `gatling.conf` file.

> If your scenario contains groups, this panel becomes a tree : each group is a non leaf node, and each request is a descendant leaf of a group. Group timings are by default the cumulated response times of all elements inside the group. Group duration can be displayed instead of group cumulated response time by editing the `gatling.conf` file.

The bottom panel shows some details on the failed requests.

Active users over time
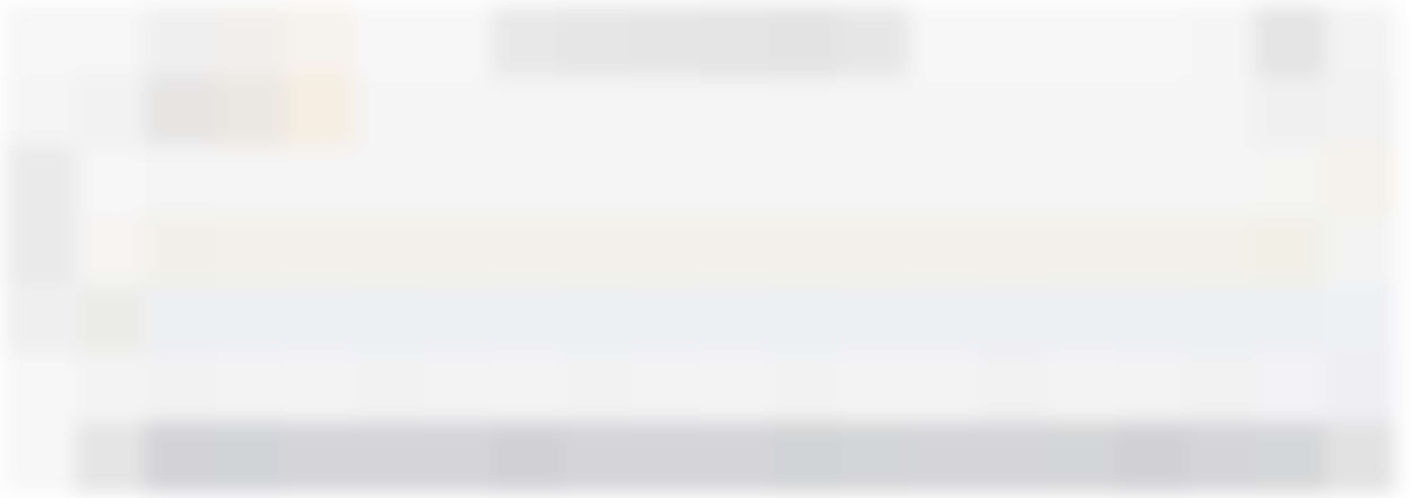
This chart displays the active users during the simulation : total and per scenario.

"Active users" is neither "concurrent users" or "users arrival rate". It's a kind of mixed metric that serves for both open and closed workload models and that represents "users who were active on the system under load at a given second".

It's computed as:

```
  (number of alive users at previous second)
+ (number of users that were started during this second)
- (number of users that were terminated during previous second)
```
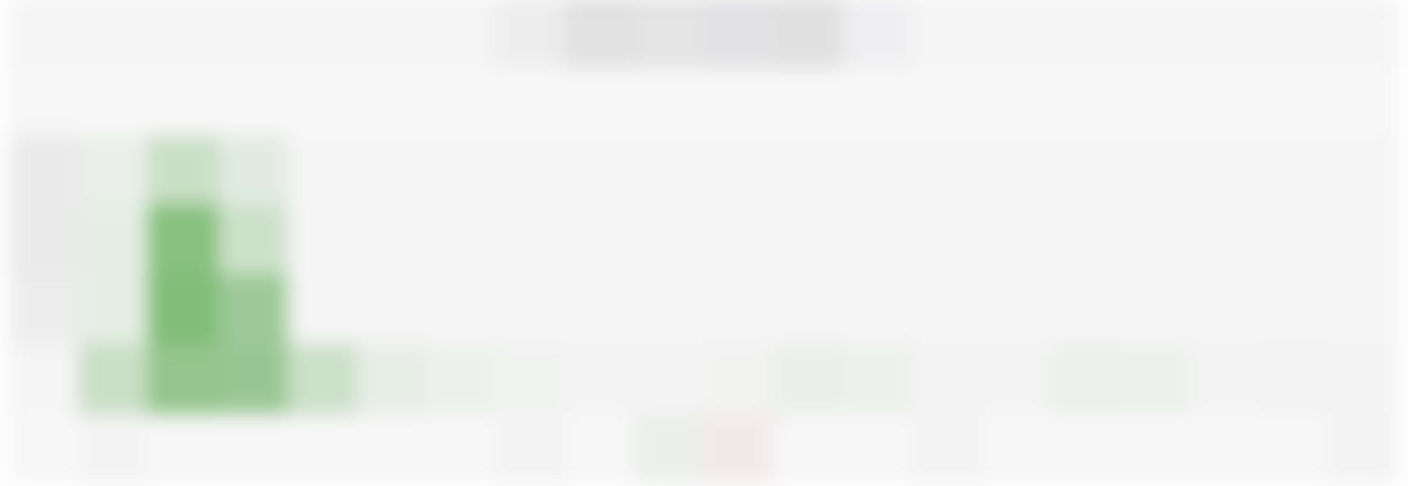
This chart displays the distribution of the response times.

Response time percentiles over time

This chart displays a variety of response time percentiles over time, but only for successful requests. As failed requests can end prematurely or be caused by timeouts, they would have a drastic effect on the percentiles' computation.

Requests per second over time

This chart displays the number of requests sent per second over time.

Responses per second over time

This chart displays the number of responses received per second over time : total, successes and failures.

Request/group specific charts

Those charts are only available when consulting the details for a request/group.

Response Time against Global RPS

Gatling

This chart shows how the response time for the given request is distributed, depending on the overall number of request at the same time.

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