Log Percentiles – Version 1

## Prerequisites

* JDK8 or later
* Apache Maven
* Ensure JAVA\_HOME environment variable is set and points to your JDK installation

## Solution

Version 1 is a very simple solution for this case, walks through all the access logs under */var/log/httpd/* then parse each log into java object. And put object into list, then sort the list according response time by asc order. We will have a sorted list eventually filled with all access logs.

Let’s suppose that N is the length of list, so the number of 90% of requests is (0.9 \* N), and this number corresponds to the position in the sorted list. so we just get the element from the list at that position, then its response time is the result that we’re looking for:

90% of requests return a response in **{element.responseTime}** ms

Then we compute 95% and 99% in the same way.

## Configuration

Configurations and defaults are discussed in more detail below.

|  |  |  |  |
| --- | --- | --- | --- |
| NAME | DESCRIPTION | TYPE | DEFAULT |
| log.dir | The access log folder path  You can change it with “—log.dir=/path/to/log” | String | /var/log/httpd |

## Execute

Compile source code by maven or use pre-compiled jar file in target folder, then run the jar file in console

