

Item Viewer Service

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Summary of JMeter Test Results

Terminology

- Number of threads: analogous to the number of users
- Ramp up time: How long JMeter will take to start all of the threads.
- Loop count: Number of times each thread will execute its requests before executing.

Environment

JMeter 3.1 on Windows 10 run in non-gui mode. The Item Viewer Service application is running in a docker container limited to 1024 CPU units and 950 MB of memory on a micro Amazon EC2 instance. Each thread is configured to request either item 187-1437 or item 187-2889, and make the Ajax requests associated with loading the item.

JMeter Requests vs Browser Requests

JMeter is not a browser. It can measure request times and failures. It will not execute JavaScript. It can not be used to measure page render time.

To simulate a browser request to the Item Viewer Service the test plan requests the page, as well as performs the Ajax requests made when the page loads. This provides a simulation of the requests a browser would make.

Results

Number of Threads	Ramp-up-time (s)	Loop Count	Avg Response Time (ms)	Error Rate
1	1	100	659	0%
100	100	100	1433	0%
200	100	100	6440	0%
300	200	300	12935	0.01%