Chaos Engineering Report

29 October 2023

Contents

Summary

This report aggregates 1 experiments spanning over the following subjects:

Experiment

Proxy Server is Offline

This experiment is to test the performance & find the errors when the proxy server is turn off (offline)

Summary

Status	completed
Tagged	
Executed From	LAPTOP-A8CQJ1B2
Platform	Linux-5.15.90.1-microsoft-standard-WSL2-x86_64-with-glibc2.29
Started	Sun, 29 Oct 2023 09:04:09 GMT
Completed	Sun, 29 Oct 2023 09:05:03 GMT
Duration	54 seconds

Definition

The experiment was made of 2 actions, to vary conditions in your system, and 0 probes, to collect objective data from your system during the experiment.

Steady State Hypothesis

The steady state hypothesis this experiment tried was "**Normal Load Testing Check**".

Before Run

The steady state was verified

Probe	Tolerance	Verified
Normal load testing log must exists	True	True

After Run

The steady state was not verified.

Probe	Tolerance	Verified

Method

The experiment method defines the sequence of activities that help gathering evidence towards, or against, the hypothesis.

The following activities were conducted as part of the experimental's method:

Type	Name
action	Retrieve all incidents repeatedly
action	Run load testing when interface is off

Result

The experiment was conducted on Sun, 29 Oct 2023 09:04:09 GMT and lasted roughly 54 seconds.

Action - Retrieve all incidents repeatedly

Status	succeeded
Background	False
Started	Sun, 29 Oct 2023 09:04:09 GMT
Ended	Sun, 29 Oct 2023 09:04:19 GMT
Duration	10 seconds

The action provider that was executed:

Type	python
Module	chaosk6.actions
Function	stress_endpoint
Arguments	{'endpoint': 'https://status.cloud.google.com/incidents.json', 'vus': 2, 'duration': '5s', 'log_file': 'log/running/k6.log'}

Action - Run load testing when interface is off

Status	succeeded
Background	False
Started	Sun, 29 Oct 2023 09:04:19 GMT
Ended	Sun, 29 Oct 2023 09:05:03 GMT
Duration	44 seconds

The action provider that was executed:

Type	python
Module	chaosk6.actions
Function	run_script
Arguments	{'script_path': 'load-testing.js', 'duration': '10s'}

Appendix

Action - Retrieve all incidents repeatedly

The *action* returned the following result:

```
True
```

Action - Run load testing when interface is off

The *action* returned the following result:

```
None
```