Chaos Engineering Report

19 April 2023

Contents

Summary

This report aggregates 1 experiments spanning over the following subjects:

Experiment

High CPU load testing

Generate high CPU load on an EC2 instance using stress-ng

Summary

Status	completed
Tagged	
Executed From	ip-172-31-20-31
Platform	Linux-5.15.0-1031-aws-x86_64-with-glibc2.35
Started	Wed, 19 Apr 2023 06:33:06 GMT
Completed	Wed, 19 Apr 2023 06:33:06 GMT
Duration	0 seconds

Definition

The experiment was made of 1 actions, to vary conditions in your system, and 0 probes, to collect objective data from your system during the experiment.

Steady State Hypothesis No steady state hypothesis was defined in this experiment. This run was exploratory.

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	generate-cpu-load

Result

The experiment was conducted on Wed, 19 Apr 2023 06:33:06 GMT and lasted roughly 0 seconds.

Action - generate-cpu-load

Status	failed
Background	False
Started	Wed, 19 Apr 2023 06:33:06 GMT
Ended	Wed, 19 Apr 2023 06:33:06 GMT

Duration	0 seconds

The action provider that was executed:

Type	python
Module	subprocess
Function	run
Arguments	N/A

The *generate-cpu-load* action raised the following error while running:

```
Traceback (most recent call last):
  File "/usr/bin/Chaos_expts/env/lib/python3.8/site-
packages/chaoslib/provider/python.py", line 56, in run_python_activity
    return func(**arguments)
  File "/usr/lib/python3.8/subprocess.py", line 493, in run
    with Popen(*popenargs, **kwargs) as process:
TypeError: __init__() missing 1 required positional argument: 'args'

During handling of the above exception, another exception occurred:

chaoslib.exceptions.ActivityFailed: TypeError: __init__() missing 1
required positional argument: 'args'
```

Appendix

Action - generate-cpu-load   The *action* returned the following result:

```
None
```