

Chaos Engineering Report

10 May 2021

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Summary

This report aggregates 1 experiments spanning over the following subjects:

Experiment

Terminate pods and see what happens

Whenever a pod will go down it will not come back on it's own. This is being shown here.

Summary

Status	failed
Tagged	
Executed From	Shishir
Platform	Linux-4.15.0-142-generic-x86_64-with-Ubuntu-18.04-bionic
Started	Mon, 10 May 2021 18:57:01 GMT
Completed	Mon, 10 May 2021 18:57:11 GMT
Duration	10 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

The steady state hypothesis this experiment tried was “**Pod exists**”.

Before Run

The steady state was verified

Probe	Tolerance	Verified
pod-exists	1	True

After Run

The steady state was not verified.

Probe	Tolerance	Verified
pod-exists	1	False

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	terminate-pod

Result

The experiment was conducted on Mon, 10 May 2021 18:57:01 GMT and lasted roughly 10 seconds.

Action - terminate-pod

Status	succeeded
Background	False
Started	Mon, 10 May 2021 18:57:01 GMT
Ended	Mon, 10 May 2021 18:57:01 GMT
Duration	0 seconds
Paused After	10s

The action provider that was executed:

Type	python
Module	chaosk8s.pod.actions
Function	terminate_pods
Arguments	{'rand': True, 'label_selector': 'app=hello-world', 'ns': 'chaos'}

Appendix

Action - terminate-pod

The *action* returned the following result:

None