

# Chaos Engineering Report

07 September 2019

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## Summary

This report aggregates 1 experiments spanning over the following subjects:

# Experiment

wordpress-is-alive

N/A

## Summary

<b>Status</b>	completed
<b>Tagged</b>	
<b>Executed From</b>	misiek
<b>Platform</b>	Linux-4.16.3-041603-generic-x86_64-with-debian-stretch-sid
<b>Started</b>	Sat, 07 Sep 2019 15:56:42 GMT
<b>Completed</b>	Sat, 07 Sep 2019 16:00:04 GMT
<b>Duration</b>	3 minutes

## 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 “**wordpress-endpoint-exists**”.

## Before Run

The steady state was verified

Probe	Tolerance	Verified
microservice_available_and_healthy	True	True

## After Run

The steady state was verified

Probe	Tolerance	Verified
microservice_available_and_healthy	True	True

## 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_pods
action	drain_nodes

## Result

The experiment was conducted on Sat, 07 Sep 2019 15:56:42 GMT and lasted roughly 3 minutes.

### Action - terminate\_pods

<b>Status</b>	succeeded
<b>Background</b>	False
<b>Started</b>	Sat, 07 Sep 2019 15:56:42 GMT
<b>Ended</b>	Sat, 07 Sep 2019 15:56:42 GMT
<b>Duration</b>	0 seconds
<b>Paused After</b>	90s

The action provider that was executed:

<b>Type</b>	python
<b>Module</b>	chaosk8s.pod.actions
<b>Function</b>	terminate_pods
<b>Arguments</b>	{'label_selector': 'app=wp-02-wordpress', 'name_pattern': None, 'all': False, 'rand': True, 'mode': 'fixed', 'qty': 2, 'grace_period': -1, 'ns': 'default', 'order': 'alphabetic'}

### Action - drain\_nodes

<b>Status</b>	succeeded
<b>Background</b>	False
<b>Started</b>	Sat, 07 Sep 2019 15:58:12 GMT
<b>Ended</b>	Sat, 07 Sep 2019 15:58:33 GMT
<b>Duration</b>	21 seconds
<b>Paused After</b>	90s

The action provider that was executed:

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<b>Type</b>	python
<b>Module</b>	chaosk8s.node.actions
<b>Function</b>	drain_nodes
<b>Arguments</b>	{'label_selector': 'app=drain-me'}

---

## Appendix

### Action - terminate\_pods

The *action* returned the following result:

None

### Action - drain\_nodes

The *action* returned the following result:

True