Chaos Engineering Report

14 December 2018

Contents

Summary

This report aggregates 1 experiments spanning over the following subjects:

tls

Experiment

What is the impact of an expired certificate on our application chain?

If a certificate expires, we should gracefully deal with the issue.

Summary

Status	aborted
Tagged	tls
Executed From	adae776cd574
Platform	Linux-4.9.93-linuxkit-aufs-x86_64-with-debian-8.11
Started	Fri, 14 Dec 2018 13:21:09 GMT
Completed	Fri, 14 Dec 2018 13:21:11 GMT
Duration	2 seconds

Definition

The experiment was made of 3 actions, to vary conditions in your system, and 1 probes, to collect objective data from your system during the experiment.

Steady State Hypothesis

The steady state hypothesis this experiment tried was "**Application responds**".

Before Run

The steady state was verified

Probe	Tolerance	Verified
the-astre-service-must-be-running	True	True
the-sunset-service-must-be-running	True	True
we-can-request-sunset	200	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	swap-to-expired-cert
probe	read-tls-cert-expiry-date
action	restart-astre-service-to-pick-up-certificate
action	restart-sunset-service-to-pick-up-certificate

Result

The experiment was conducted on Fri, 14 Dec 2018 13:21:09 GMT and lasted roughly 2 seconds.

Appendix