



Conf42

Chaos Engineering

2022



Chaos Engineering alongside Litmus and Jenkins 🔥 🔥

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SRE/Chaos Engineer





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 @AkramRichi4

 Akram RIAHI

CHAOS NATIVE



 Litmus

Agenda

- Introduction
- How is chaos engineering easier with Litmus?
- Litmus alongside Jenkins ?
- Demo

Introduction

Chaos Engineering is the discipline of experimenting on a system in order to build confidence in the system's capability to withstand turbulent conditions in production.

- <https://principlesofchaos.org>



Chaos Engineering

Easier

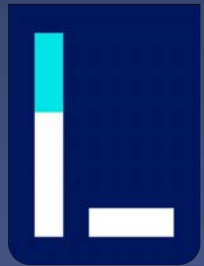
???



Environment




slack



Litmus



Litmus Chaos




Litmus

Cloud Native Computing Foundation (CNCF)
Observability and Analysis · Chaos Engineering

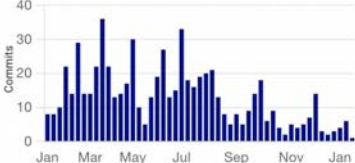
Litmus helps SREs and developers practice chaos engineering in a Cloud-native way. Chaos experiments are published at the ChaosHub (<https://hub.litmuschaos.io>). Community notes is at https://hackmd.io/a4Zu_sH4TZGeih-xCimi3Q

CNCF Incubating Project **LF** Project
Open Source Software **License** Apache License 2.0
OCI Best Practices 82% **Tweet** 1774

TypeScript 52%
HTML 29%
Go 14%
CSS 5%
JavaScript <1%
Makefile <1%
Dockerfile <1%
Other <1%



Commits



Website	litmuschaos.io
Repository	github.com/litmuschaos/litmus 2,479
Crunchbase	crunchbase.com/organization/cloud-native-computing-foundation
LinkedIn	linkedin.com/company/cloud-native-computing-foundation
Twitter	@litmuschaos Latest Tweet this week
First Commit	5 years ago Latest Commit this week
Contributors	165 Latest Release last week
Headquarters	San Francisco, California Headcount 11-50
Funding	\$3M
Accepted	2 years ago
Dev Stats	https://litmuschaos.devstats.cncf.io/
Slack	https://kubernetes.slack.com/messages/CNXNB0ZTN
Youtube	https://www.youtube.com/channel/UCa57PMqzmz_j0wnteRa9nCaw



Chaos Workflows

Chaos Center

admin's project(Owner)

- Home
- Litmus Workflows**
- ChaosAgents
- ChaosHubs
- Observability
- Settings
- Usage Statistics
- Litmus Docs
- Litmus API Docs
- Community

Workflows

Litmus Workflows

Schedule a workflow

Runs | Schedules

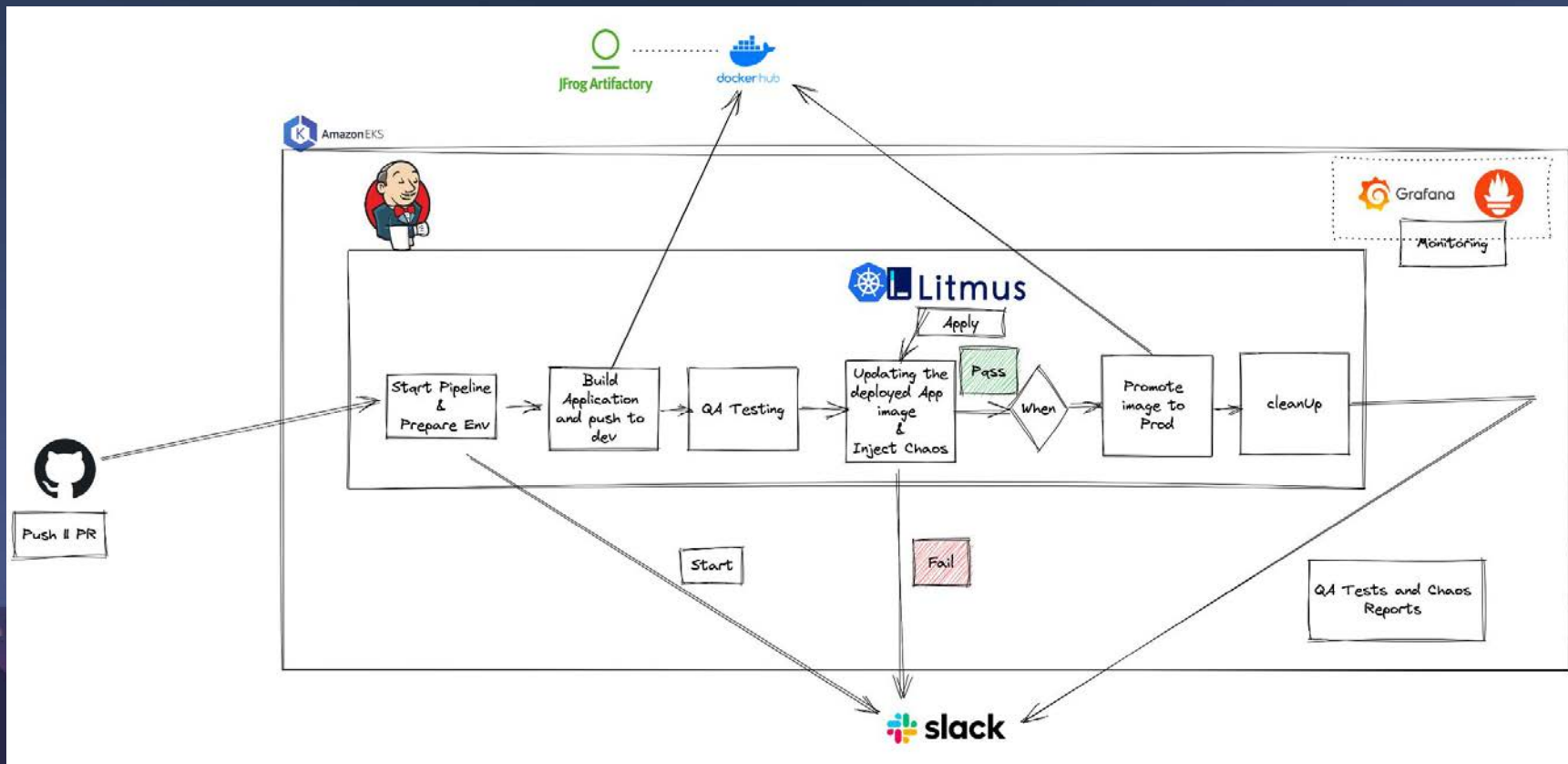
Search

Name: Show All Workflows | Target Agent: All

Name	Agent	Experiments	Schedule	Next Run	Workflow Runs
test-workflow-1643276833	Self-Agent	Show Experiments >	Show Schedule >	Non cron workflow	 Runs
custom-chaos-workflow-1643276059	Self-Agent	Show Experiments >	Show Schedule >	Non cron workflow	 Runs
custom-chaos-workflow-1643210672	Self-Agent	Show Experiments >	Show Schedule >	Non cron workflow	 Runs
custom-chaos-workflow-1643210304	Self-Agent	Show Experiments >	Show Schedule >	Non cron workflow	 Runs

Litmus Version: 2.5.0
Build Time: 14 Jan 2022 12:01:00

How is that?



GET READY



IT'S DEMO TIME

Take Aways

- 🔥 Starting Chaos Injection is a must
- 🔥 Make chaos more automated
- 🔥 Keep enhancing alerting systems

"To kiss **success**, we need to hug **failure** before"



Thank you 🙌
@AkramRIAH14

