



Automated Canaries with Prometheus, Kubernetes and Service Mesh

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Introduction

How it works

FAQ

INSTALL

Flagger Install on Kubernetes

Flagger Install on GKE Istio

Flagger Install on EKS App Mesh

Flagger Install with SuperGloo

USAGE

Istio Canary Deployments

Istio A/B Testing

Linkerd Canary Deployments

App Mesh Canary Deployments

NGINX Canary Deployments

Gloo Canary Deployments

Minimum Requirements

Introduction

Flagger is a progressive delivery Kubernetes operator

Flagger is a **Kubernetes** operator that automates the promotion of canary deployments using **Istio**, **Linkerd**, **App Mesh**, **NGINX** or **Gloo** routing for traffic shifting and **Prometheus** metrics for canary analysis. The canary analysis can be extended with webhooks for running system integration/acceptance tests, load tests, or any other custom validation.

Flagger implements a control loop that gradually shifts traffic to the canary while measuring key performance indicators like HTTP requests success rate, requests average duration and pods health. Based on analysis of the **KPIs** a canary is promoted or aborted, and the analysis result is published to **Slack** or **MS Teams**.



Introduction - Flagger x weaveworks/flagger: Progress: x +

github.com/weaveworks/flagger


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working on Flagger and @fluxcd

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...ry, A/B Testing and Blue/Green deployments) <https://docs.flagger.app>

ab-testing istio aws-appmesh linkerd

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 **stefanprodan** Merge pull request #364 from weaveworks/release-0.20.2 ... Latest commit e7fc72e y

 .circleci	Release v0.20.0	17 c
 .github	Publish Helm chart from CircleCI	3 mo
 artifacts	Release v0.20.2	y
 charts	Release v0.20.2	y
 cmd	Release lead tester v0.11.0	5-

Canary Deployment Stages



<https://github.com/weaveworks/flagger>

Thank You!

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