

## Automated Canaries with Prometheus, Kubernetes and Service Mesh



#### Introduction - Flagger

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C @ docs.flagger.app

#### 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

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### Introduction

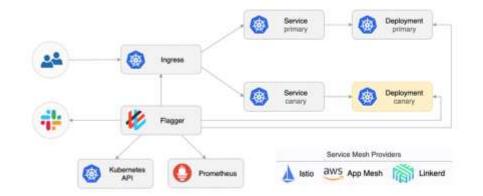
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Flagger is a progressive delivery Kubernetes operator

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.

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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**.



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## **Canary Deployment Stages**

https://github.com/weaveworks/flagger

# Thank You!

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