

Canary Deployments

Downloaded from Epic Games Confluence

Date: 2025-07-12 04:07:57

Original URL: <https://confluence-epicgames.atlassian.net/wiki/spaces/CDE/pages/81068282>

Document Level Classification

100

- [Introduction](#)
- [What is a Canary Deployment?](#)
- [Architecture](#)
- [Supporting Documentation](#)

Introduction

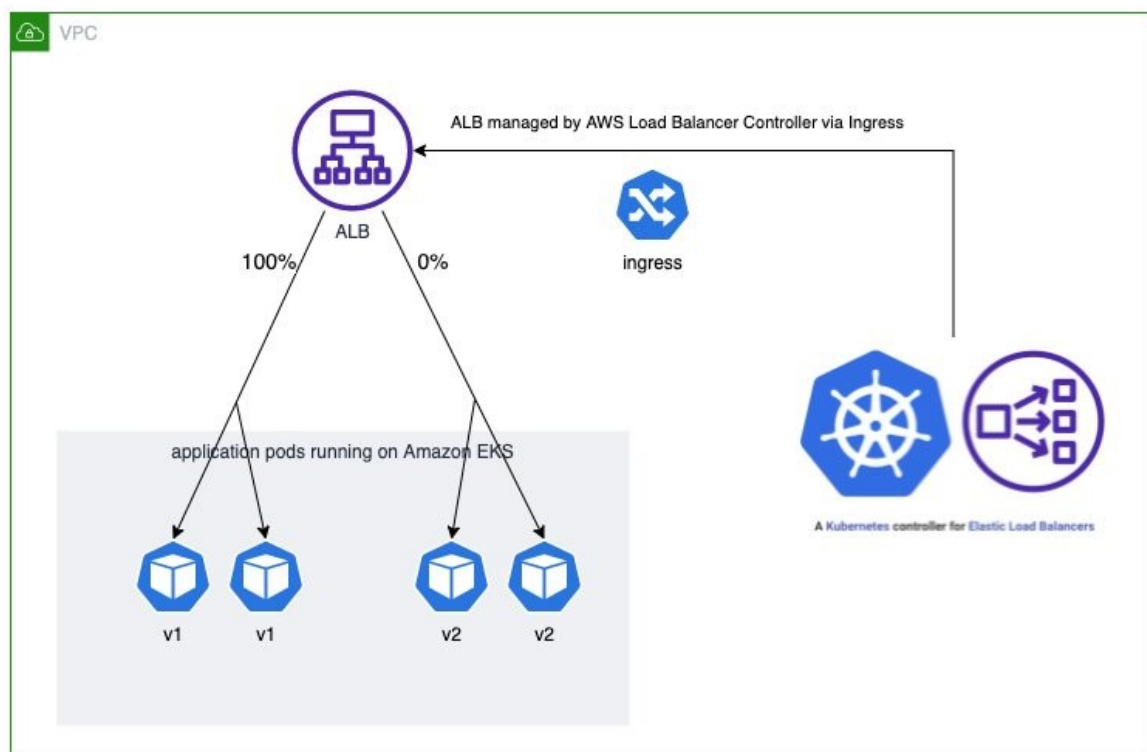
The following document describes the Canary deployment strategy at a high level. This deployment strategy falls under the [Reliability Pillar](#) of the [AWS Well-Architected Framework](#). Specifically, [REL08-BP04 Deploy using immutable infrastructure](#).

What is a Canary Deployment?

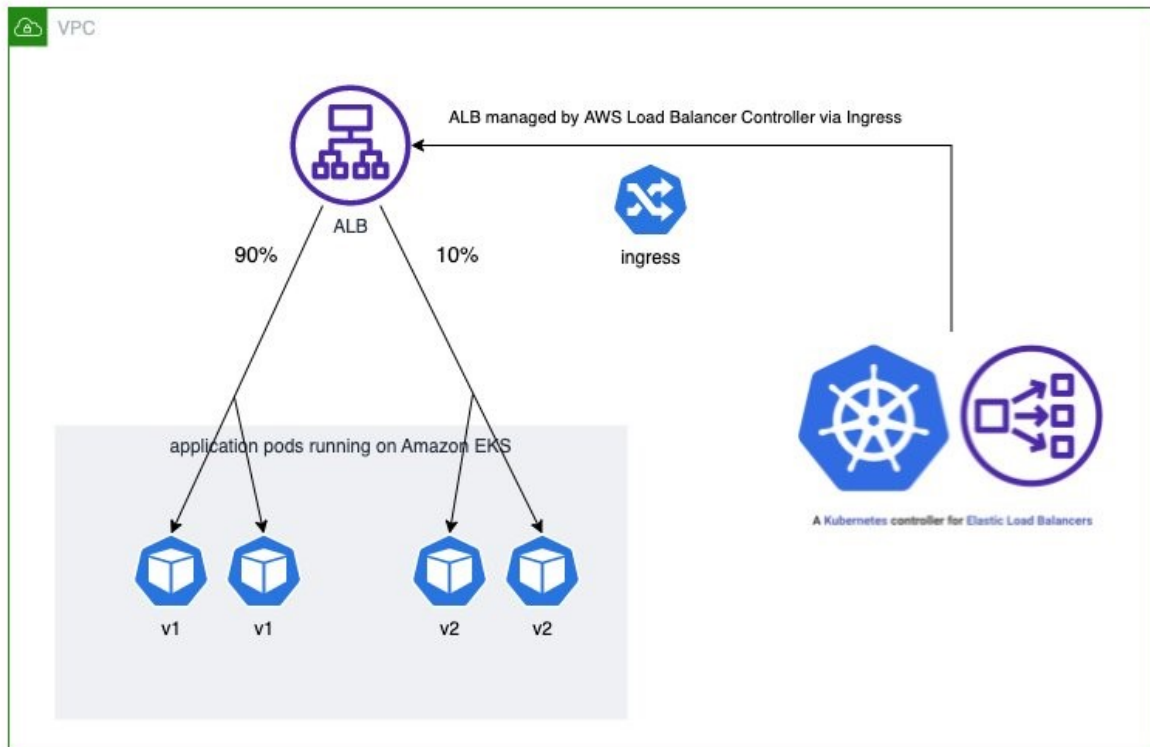
A canary deployment is a method of deploying software that exposes a new feature to an early sub-segment of users. The goal is to test new functionality on a subset of customers before releasing it to the entire user base.

Architecture

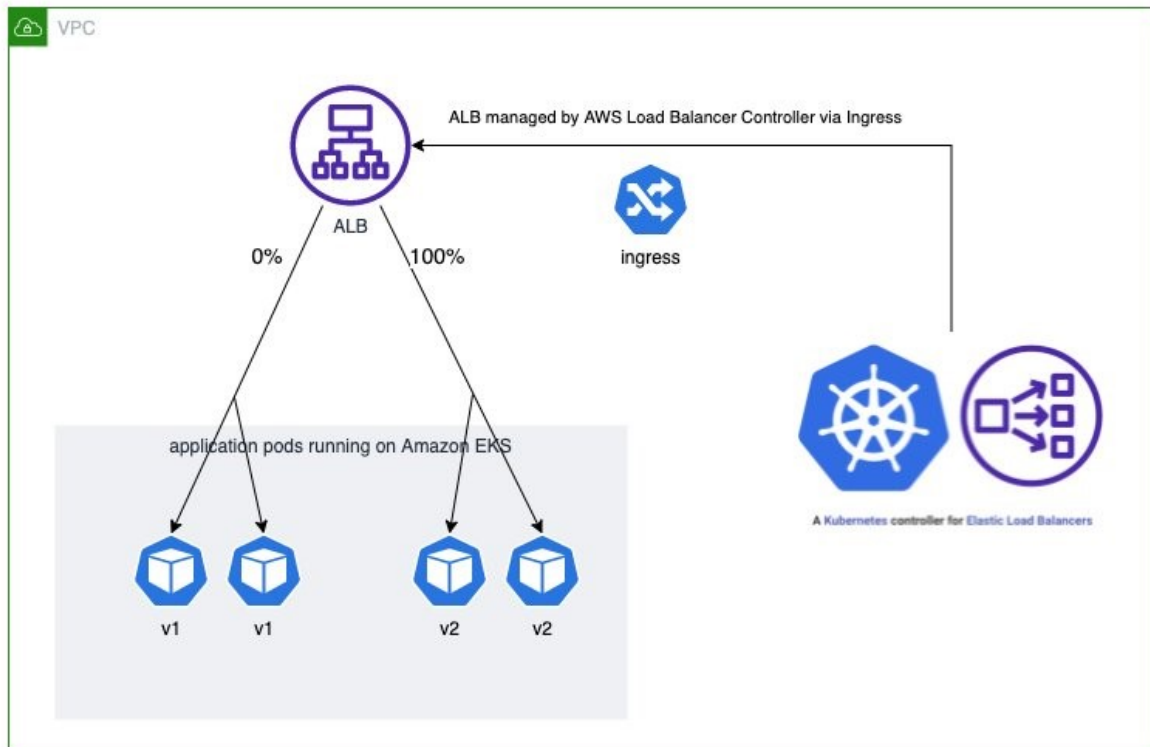
The following diagrams illustrate the Canary deployment strategy. In this example, v1 of the application is taking 100% of the traffic. Traffic is being controlled by the AWS Load Balancer Controller via Kubernetes Ingress.



After v2 of the application has been deployed along side of v1, 10% of the traffic is shifted over to v2 with v1 taking 90%.



If testing is successful, 100% of the traffic can be shifted over to v2 of the application.



Supporting Documentation

- To read more about the Canary deployment strategy using the AWS Load Balancer Controller reference the AWS Blog Post [Using AWS Load Balancer Controller for blue/green deployment, canary deployment and A/B testing.](#)
- [Codefresh.io](#) also has a in depth guide on Canary deployments in the article [What is Canary Deployment?](#)

Page Information:

Page ID: 81068282

Space: Cloud Developer Platform

Downloaded: 2025-07-12 04:07:57