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OVERVIEW

Roost Enterprise Overview

High Change Failure Rates Slow Down Release Timelines

As the number of containerized applications increase, integration issues become harder to detect. Left unaddressed, these issues slow down release timelines and increase change failure rates.

Downtime from change failures can cost millions of dollars in lost revenue. But slowing down your release process in an attempt to avoid change failures hampers innovation and erodes your competitive advantage, hurting the business even more.

Containers promised to make downtime a thing of the past. They have, in fact, dramatically reduced outages related to scaling. The problem is containerized applications are meant to be updated and iterated on constantly. With each change comes a risk of failure.

Roost Eliminates Change Failures

Roost eliminates downtime from change failures while speeding up releases of containerized applications by enabling real-time service validation and left-shifted service integration.

Roost uses machine learning for automated continuous change validation and certification. This is achieved by creating a temporary, sharable production-like environment. Once the release is complete the instance can be disposed of reducing the need for cloud services.

Figure 1. The Roost Process for Eliminating Change Failure

How Roost Eliminates Change Failure

Roost enables teams to discover interaction and interdependencies' issues early in the development cycle. Development teams are able to improve the predictability and stability of releases, enhancing developer productivity and eliminating change failures.

Key benefits include:

Develop with Live Services

Roost believes that collaboration is the key to eliminating change failures – and reducing frustration! Left-shifted, AI-powered integration means less time spent debugging services.

Develop in a Production-Like Environment then Certify & Validate Services

Teams develop in a production-like environment and certify that services are working together prior to release ensuring absolute consistency between environments.

Disposable & Sharable Pre-Production Environments

Roost spins up a temporary, sharable production-like environment. Once the release is complete the instance can be disposed of reducing the need for cloud services.

Significantly Reduce Cloud XOps Costs

Roost not only solves the tooling gap but goes beyond it.

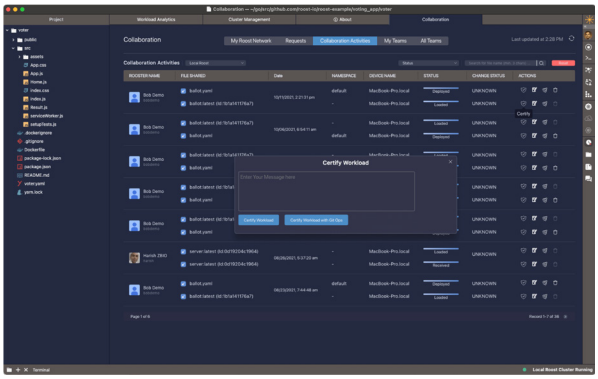

Figure 2. Certify and Validate Service Changes

Developers can share services with peer members and team leads to review and validate the state of containers in a pre-production environment. These states can be certified as production ready or can be used for rollback if necessary.

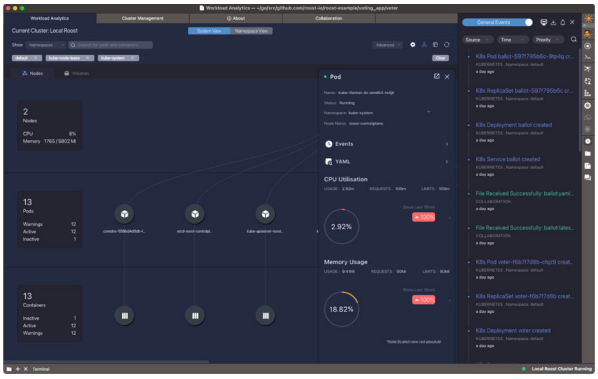

Figure 3. Workload Analytics

Roost's Control Plane provides a consolidated view of the cluster, the deployed containers and their resource usage (e.g. RAM, CPU). This view also shows the number of deployed pods, services, and logs of running containers.

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Roost helps development teams eliminate change failure by providing automated service validation and certification by testing in a disposable and a shareable pre-production environment.