



NEWSIGNATURE

Whiteboard Session - Container DevOps

Your Situation

You have an application being used by thousands of enterprise users

Today deployments take **4 hours**

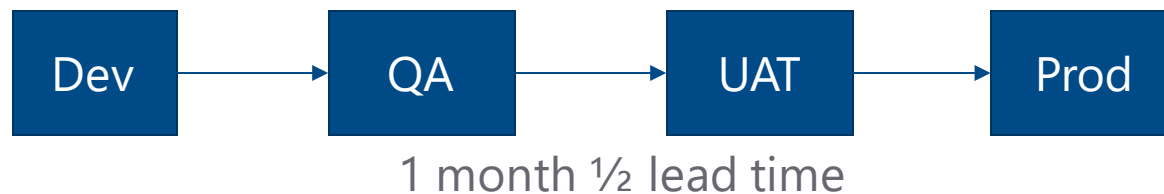
The application's source code is on Git

The application is flaky – it's constantly having to be **restarted** due an elusive memory leak

Operators have a hard time deploying OS patches. It's difficult to do without downtime and they are doing it manually.

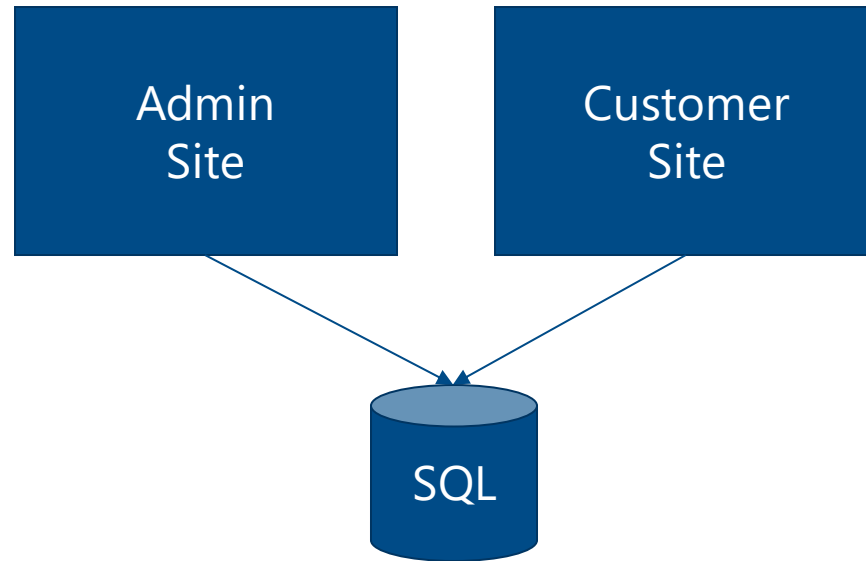
People are getting burn-out

There multiple environments that often don't match up:



Your Situation

The current architecture looks like this



Business Goals

Deploy during business hours without downtime

Self-healing system. Less need for ops interventions.

More consistent environments so that there's less unplanned work

Exercise

1. You want to use Kubernetes. How would you define the Kubernetes resources for this application? (e.g. pods, replicate sets, ingress, namespaces, etc.)
2. What would the CI/CD pipeline look like for deploying to the current environments? (*Start with just dev*)

