

# Designing Continuous Delivery Into Your Platform

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# Continuous Delivery

Who haz it?

# The Easy Bits

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Version your code

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Version your code

Control your deployments

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Deploy behind feature flags

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Version your code

Control your deployments

Deploy behind feature flags

Favor slow rollouts

# The Tricky Parts

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Version your configuration

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Planning your database migration

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Having the ability to rollback

# The Tricky Parts

Version your configuration

Planning your database migration

Having the ability to rollback

Canary deployments

Well... Damn

# Well... Damn

Version your environment

Stateless and disposable app containers

No snowflake servers

There is no magic bullet

Just a new perspective:  
Build it into your development  
platform

What is a development  
platform?

# What is a development platform?

How your code gets integrated and deployed

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How your environments are managed

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The container your code runs in

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It's not new: you already have one

# Application Versioning

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Ability to ensure deployments only happen via CI

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100% repeatable deployments

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Method of rollback built in

# Environment

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Disposable containers for code execution

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Recreate them on deployment/restart

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Origin state only, everything else is ephemeral

# Environment

Disposable containers for code execution

Recreate them on deployment/restart

Origin state only, everything else is ephemeral

Destroy them often

# Configuration

# Configuration

Mechanism for versioning

# Configuration

Mechanism for versioning

Built into the container and immutable

# Configuration

Mechanism for versioning

Built into the container and immutable

Changing it means a deployment

# Configuration

Mechanism for versioning

Built into the container and immutable

Changing it means a deployment

Feature flagging is at the application layer

# Putting it together

# Putting it together

Visibility of changes

# Putting it together

Visibility of changes

Visibility of the current state

# Putting it together

Visibility of changes

Visibility of the current state

Deal with applications not infrastructure

# Shameless Recruiting Plug

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Heroku is hiring:

all manner of engineers

product managers

technical account managers

**[jobs.heroku.com](https://jobs.heroku.com)**

**[salesforce.com/dreamjob](https://salesforce.com/dreamjob)**

# Questions?

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Build & Packaging team - Heroku

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