

# Continuous Delivery

## Agenda

1. Define Continuous Delivery
2. How Pivotal Cloud Foundry Enables Continuous Delivery

## Continuous Delivery

Build software so that it can be released to production at anytime.

Continuous Deployment

Continuous Deployment

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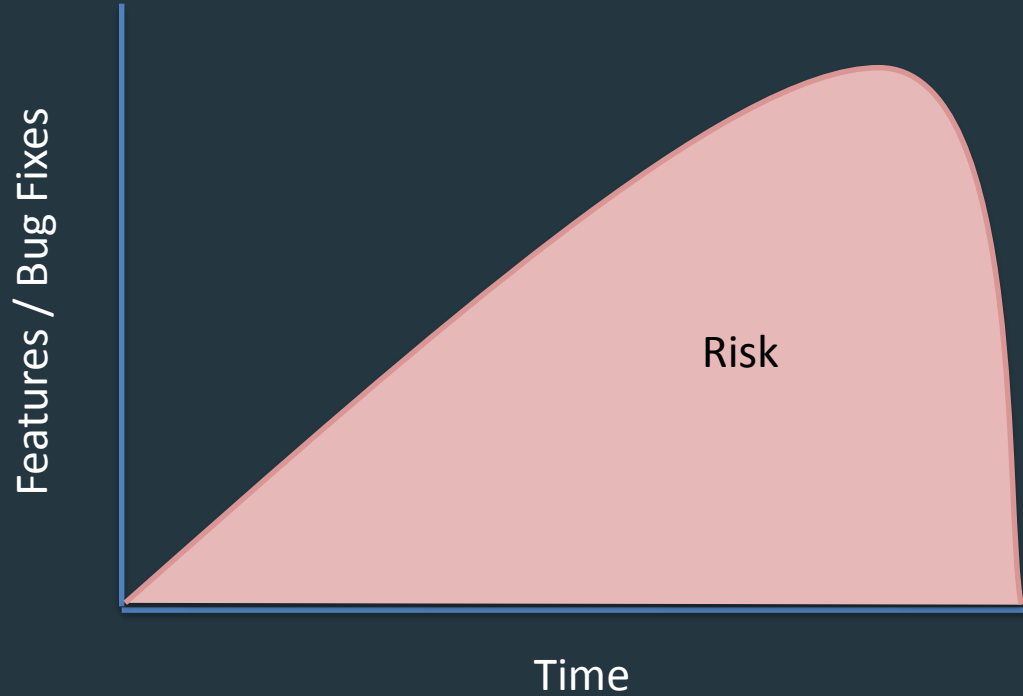
Continuous Delivery

Who Decides When to go to Prod?

The business.

(Technical teams should be ready)

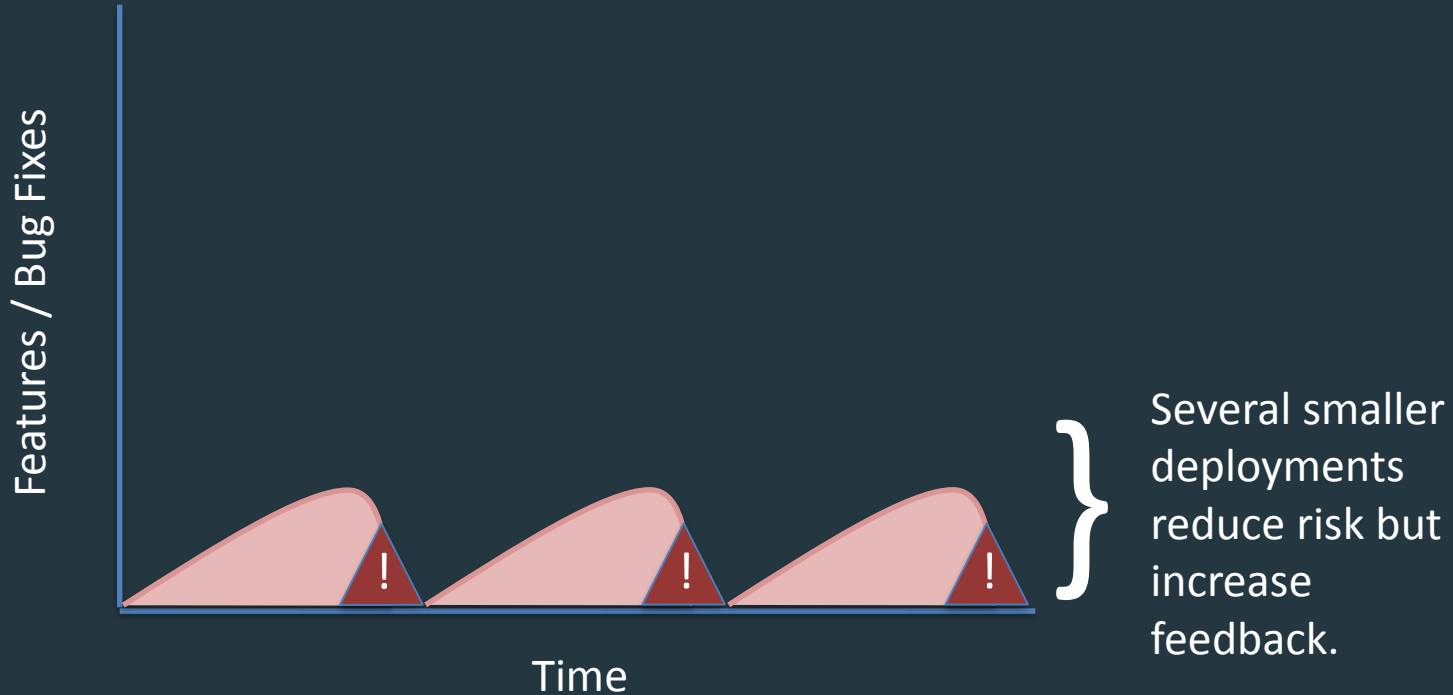
# Waterfall Application Delivery



# Waterfall Application Delivery



# Application Delivery with Continuous Delivery





# STRATEGIES FOR SUCCESS

## Continuous Delivery Strategies

Do implement continuous integration.

## Continuous Delivery Strategies

Do not create environment specific packages.

## Continuous Delivery Strategies

Do externalize environment specific configuration.

## Continuous Delivery Strategies

Do not assume existing processes are right.

## Continuous Delivery Strategies

Do not use a different process for different environments.

## Continuous Delivery Strategies

Do recreate app environments frequently.

## Continuous Delivery Strategies

Do ensure that database changes are automated.



## Continuous Delivery Strategies

Do deploy less more frequently.

## Continuous Delivery Strategies

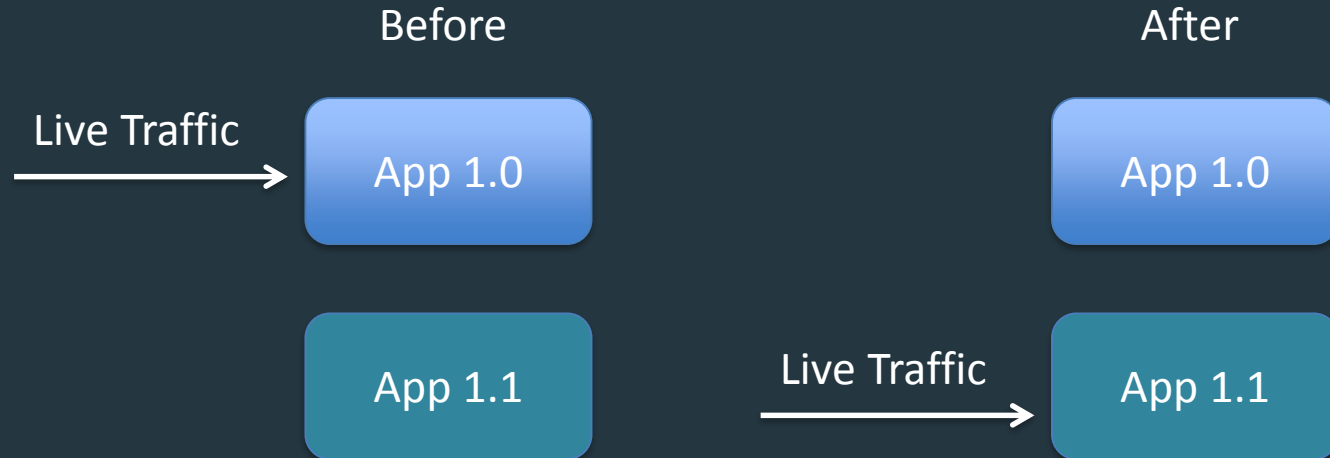
Do automate all testing where test failures would prevent a production release from occurring.

## Continuous Delivery Strategies

Do try to use tools that support the process.

## Continuous Delivery Strategies

Blue-Green deployments can be used with a continuous delivery pipeline.



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2. Pivotal Cloud Foundry Enables Continuous Delivery

PCF Enabling Continuous Delivery

Get a new app environment in seconds.

## PCF Enabling Continuous Delivery

Have complete consistency between environments.

## PCF Enabling Continuous Delivery

Have a consistent API to automate deployments.



## PCF Enabling Continuous Delivery

Inject environment specific configuration.

## PCF Enabling Continuous Delivery

Promote apps through environments with the same process.

A dark, atmospheric photograph of the Golden Gate Bridge in San Francisco. The bridge's iconic red-orange towers and suspension cables are visible, extending from a steep, rocky cliff on the left towards the right. The bridge is partially shrouded in a thick, low-lying fog or mist that fills the background and the water below. The sky is a uniform, dark grey, contributing to the moody and dramatic feel of the image. The overall lighting is very low, with the bridge's structure being the primary light source in the scene.

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