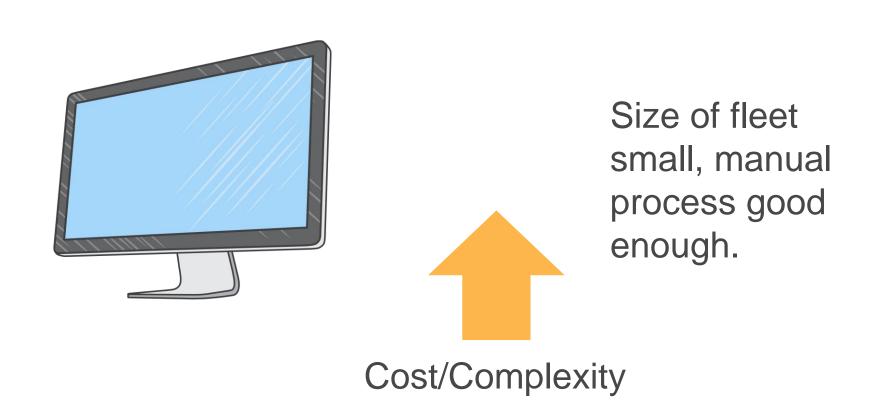
# Getting Started with AWS CodeDeploy

Andy Troutman, Manager, AWS CodeDeploy

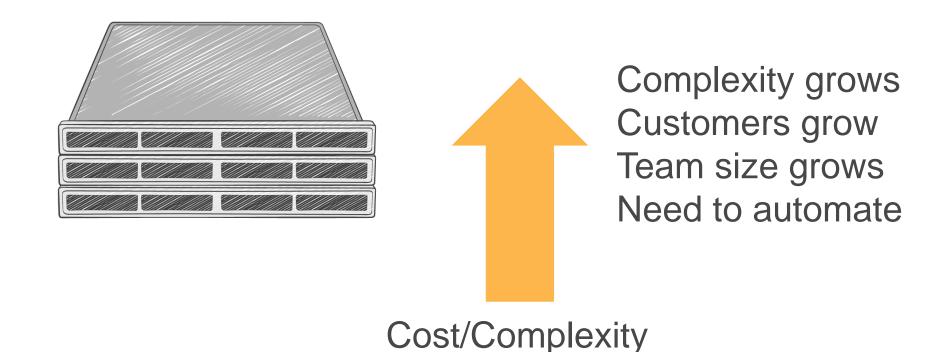
April 29, 2015



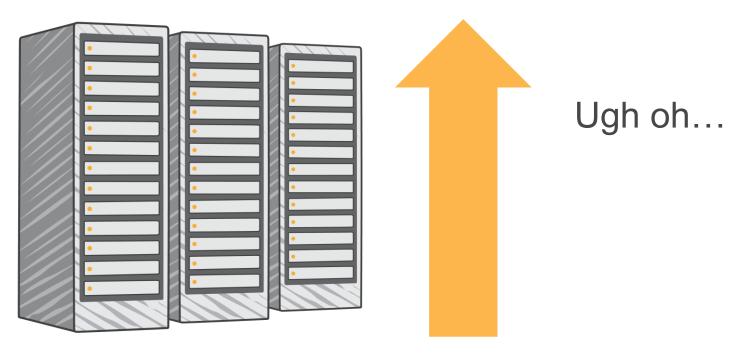
## Software Deployment is Still a Hard Problem:



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## **Software Deployment is Still a Hard Problem:**



Cost/Complexity

## What is CodeDeploy?

Application
Deployments for
EC2\*

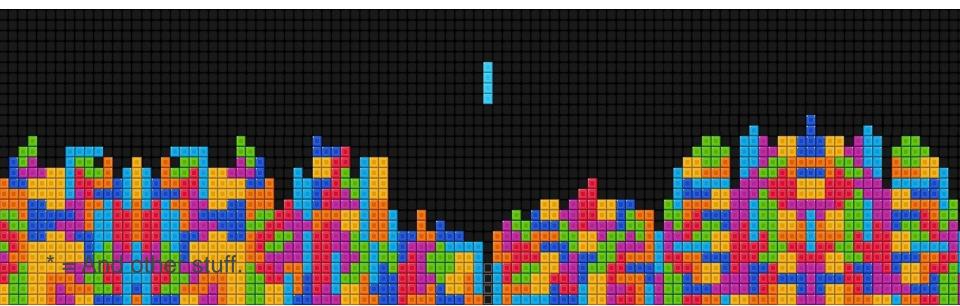




<sup>\* =</sup> And other stuff.

## What is CodeDeploy?

## A Building Block Service





Amazon S3



Amazon EC2













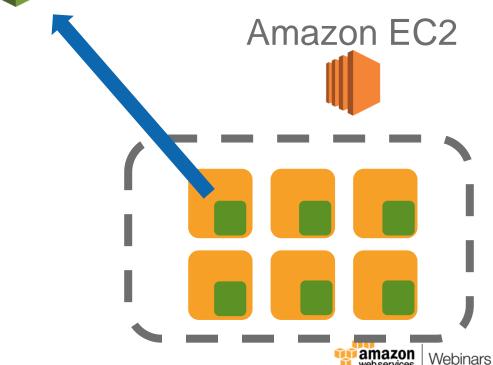






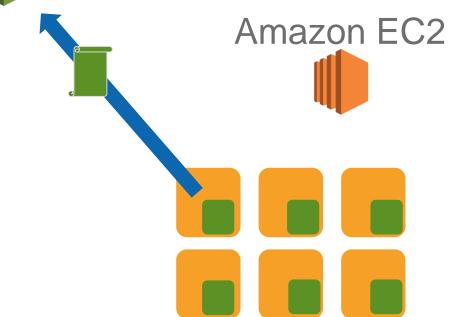










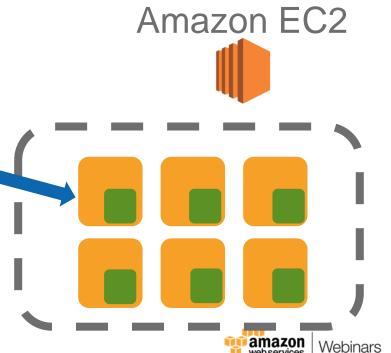








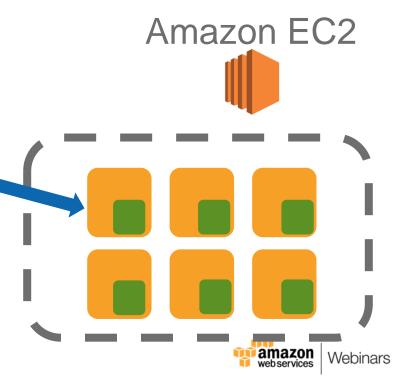








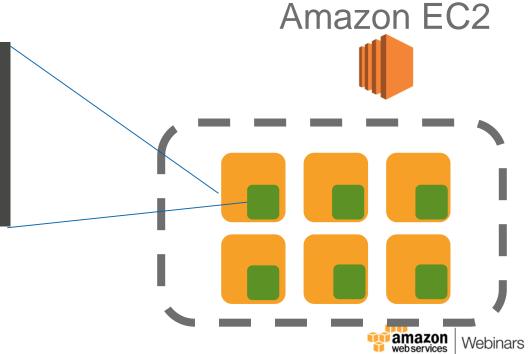








- 1. foo.sh
- 2. bar.exe
- 3. baz
- ... etc.

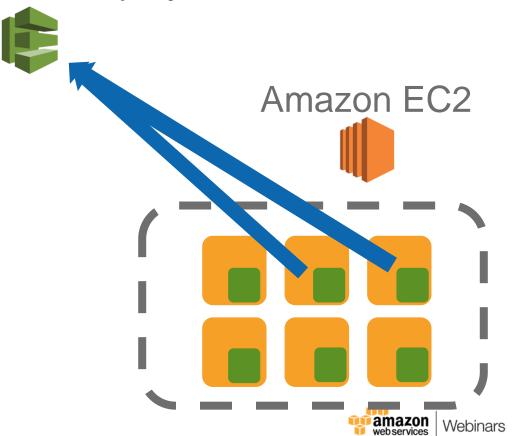




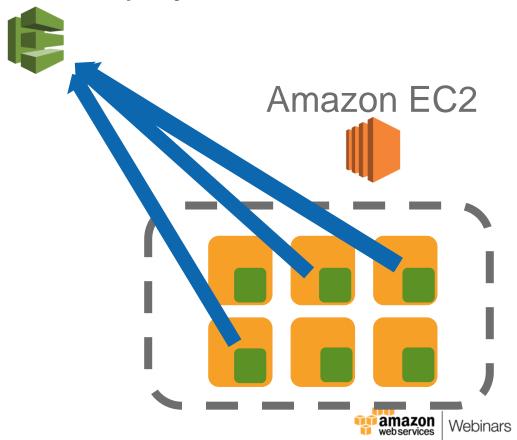




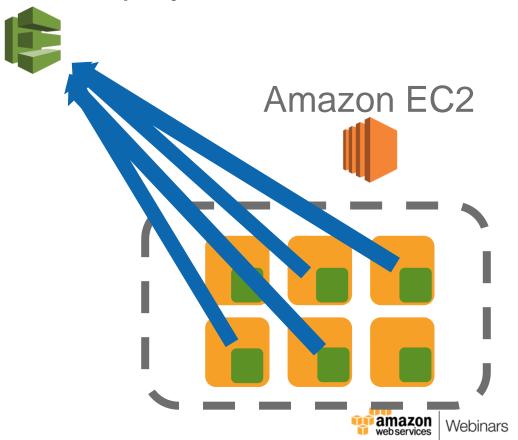




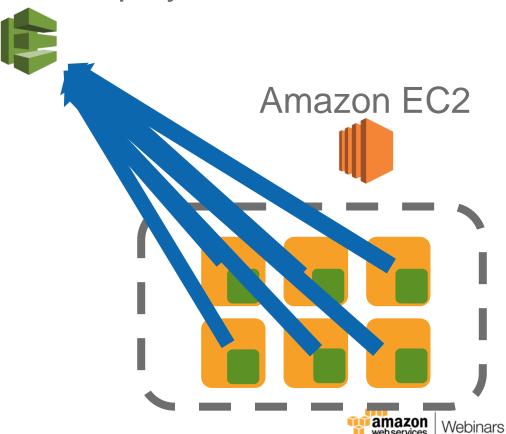








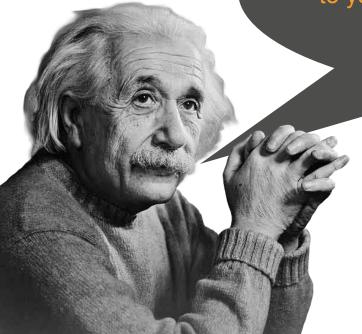


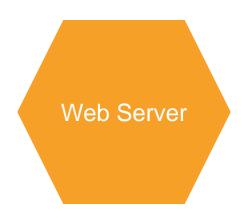


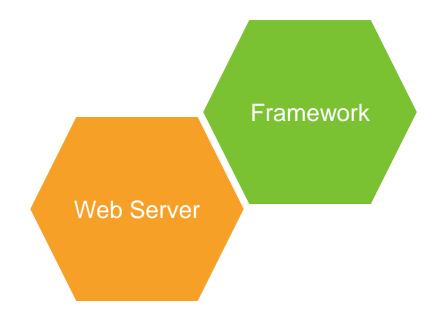
## Let's do it Live!

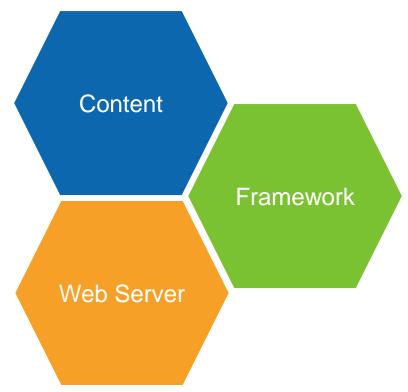


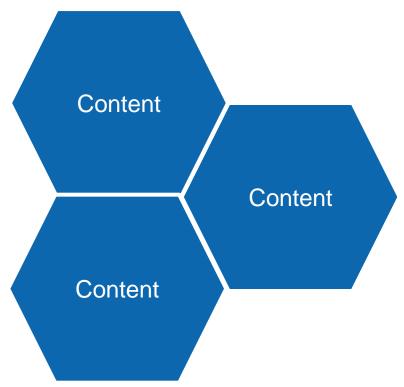
"Any collection of content that you want to distribute to your servers in a single deployment"





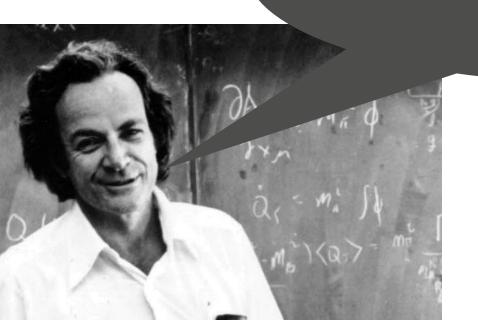




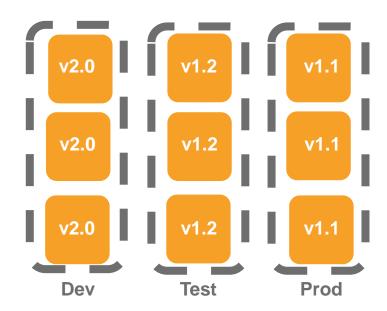


# **Deployment Group**

"A collection of instances you want to deploy to as a group"



## **Deployment Group**



## AppSpec file

```
os: linux
files:
  source: Config/config.txt
    destination: webapps/Config
  - source: source
    destination: /webapps/myApp
hooks:
  BeforeInstall:
    - location: Scripts/UnzipResourceBundle.sh
    - location: Scripts/UnzipDataBundle.sh
  AfterInstall:
    - location: Scripts/RunResourceTests.sh
      timeout: 180
  ApplicationStart:
    - location: Scripts/RunFunctionalTests.sh
      timeout: 3600
  ValidateService:
    - location: Scripts/MonitorService.sh
      timeout: 3600
      runas: codedeployuser
```



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      runas: codedeployuser
```



## **Deployment Config**

One-at-a-time

Min. healthy hosts = 99%

[Custom]

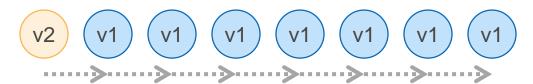
Min. healthy hosts = 75%

Half-at-a-time

Min. healthy hosts = 50%

All-at-once

Min. healthy hosts = 0











# Let's deploy something!

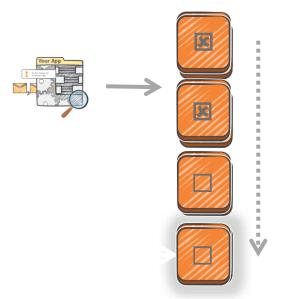
# Auto Scaling support



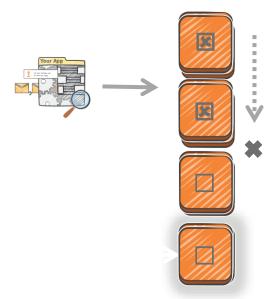




# Auto Scaling support



# Auto Scaling support



#### Windows and Linux





## Error Logs and Deployment Data



# On Premises Deployments



#### **Product Integrations**

## **GitHub**



























## **Questions?**

