

DevOps with Amazon Web Services

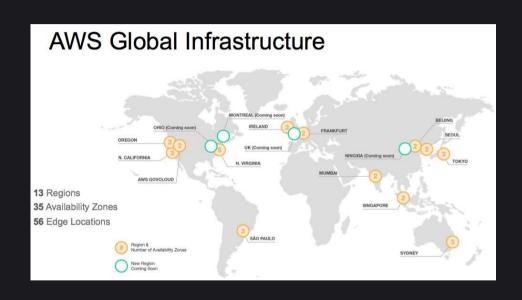
Julien Simon, Principal Technical Evangelist julsimon@amazon.fr
@julsimon





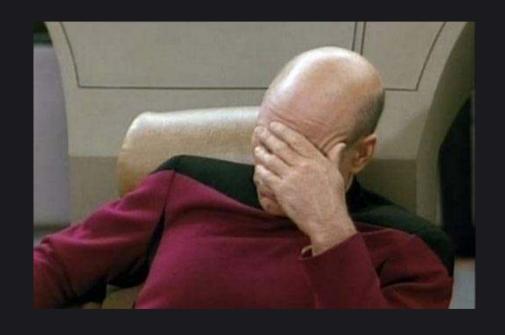
Amazon Web Services

Platforme Scalable Globale



Amazon Web Services

Platforme Scalable Globale



Allez, rendez-vous à Paris – An AWS Region is coming to France!

By Werner Vogels on 29 September 2016 12:00 AM | Permalink | Comments (9) C'EST PARIS

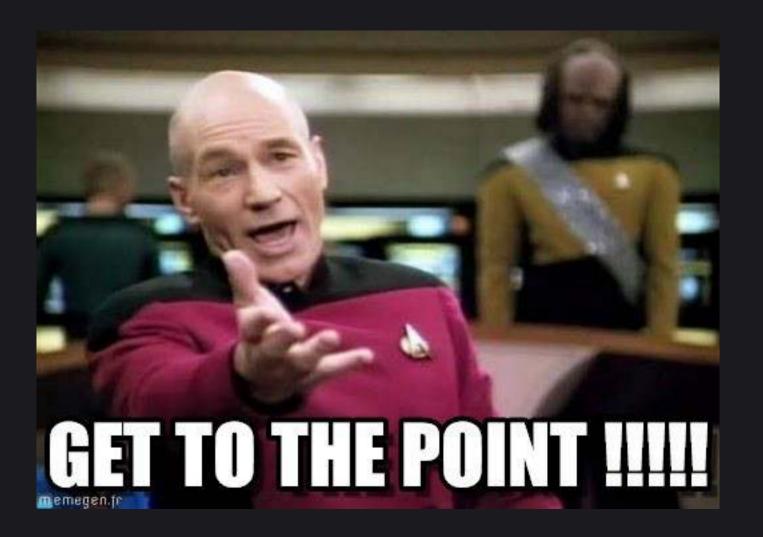
Today, I am very excited to announce our plans to open a new AWS Region in France! Based in the Paris area, the region will provide even lower latency and will allow users who want to store their content in datacenters in France to easily do so. The new region in France will be ready for customers to use in 2017.

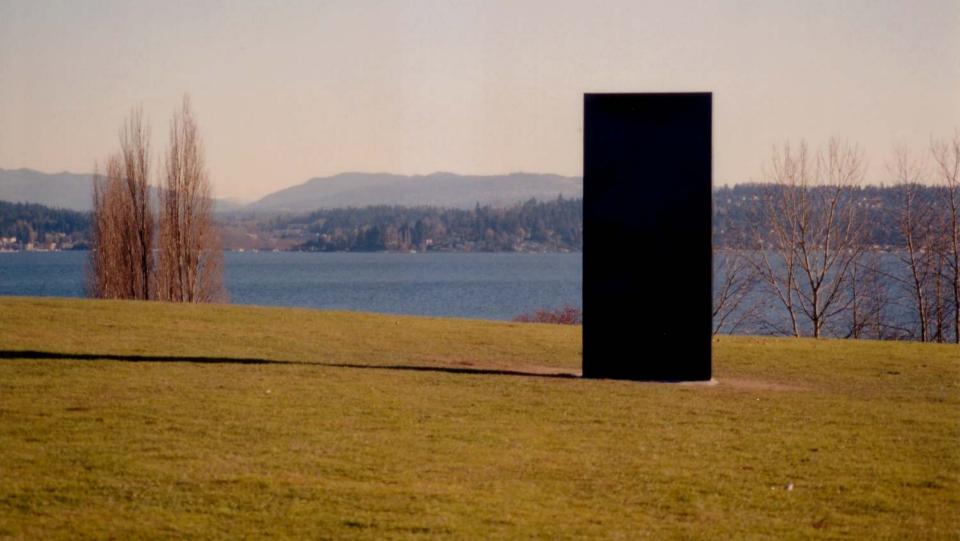
http://www.allthingsdistributed.com/2016/09/aws-announce-eu-france-region.html



DOUBLE FACEPALM

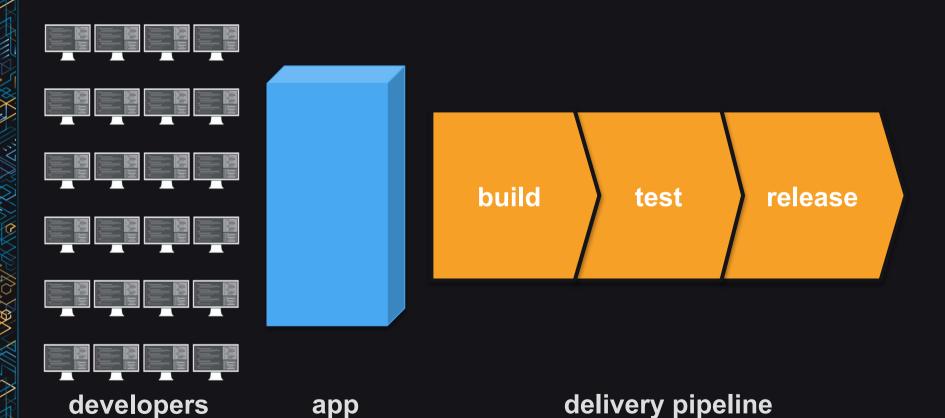
FOR WHEN ONE FACEPALM DOESN'T CUT IT



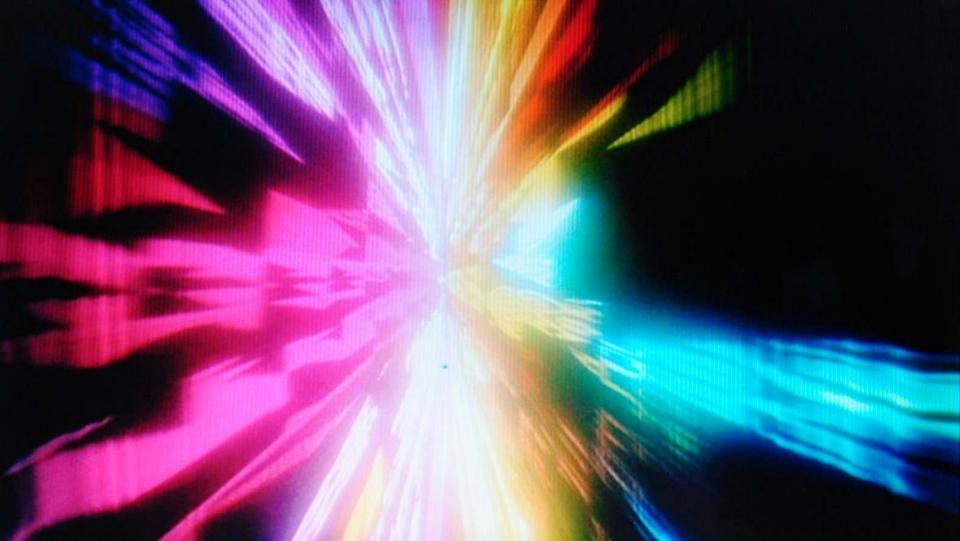


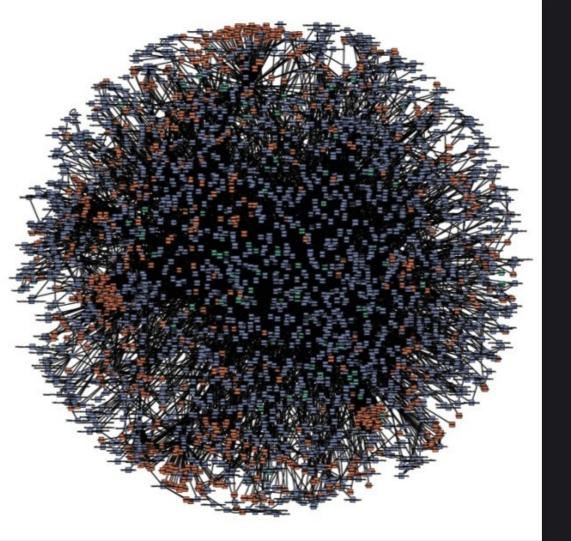
Monolith development lifecycle

app









Service-Oriented Architecture (SOA)

Single-purpose

Connected through APIs

Highly decoupled

"Microservices"



Two-pizza teams

Full ownership

Full accountability

Aligned incentives

"DevOps"

Missing tools



???

delivery pipeline



Self-service

Technology-agnostic

Encourage best practices

Single-purpose services



Deployment service

No downtime

Health tracking

Versioned artifacts

Rollbacks



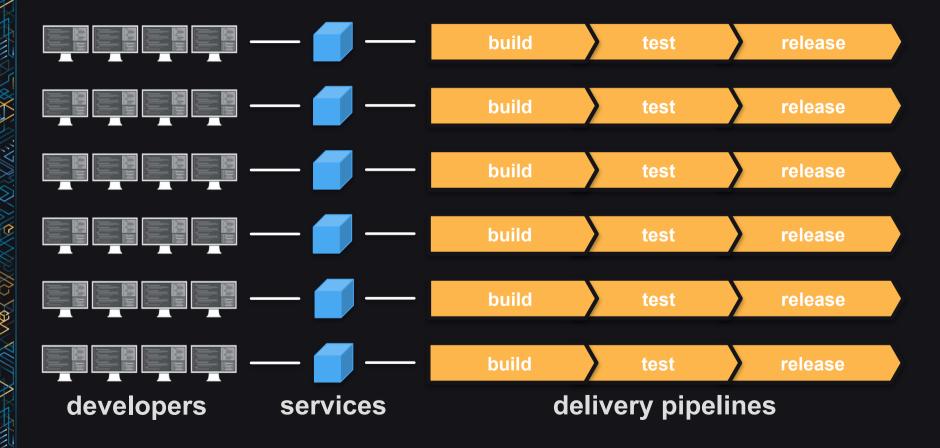
Continuous delivery

Automated release process

Faster and more reliable releases

Used by >90% of teams

DevOps development lifecycle





Thousands of teams

- **× Microservice architecture**
 - × Continuous delivery
 - × Multiple environments

= 50 million deployments a year (1.5 deployment every second)



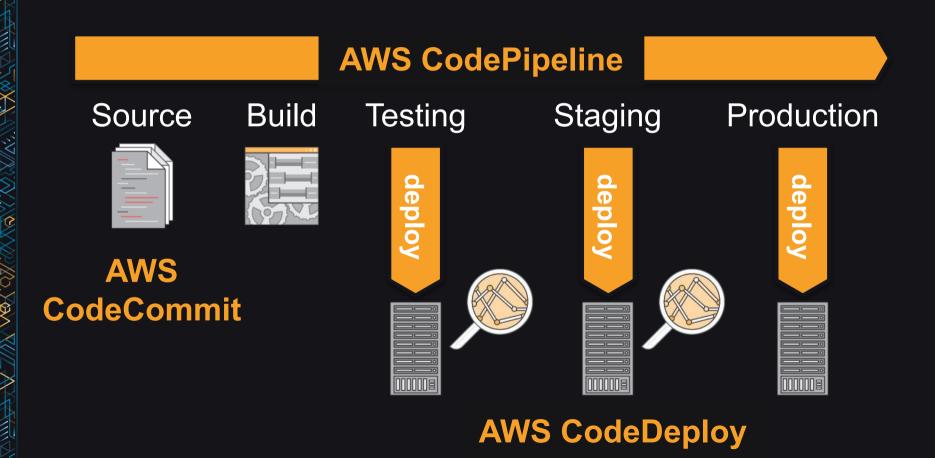
Science Fiction becomes reality



How can we help others do this?



Setting up a delivery pipeline



AWS Code* partners





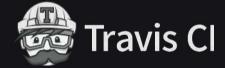






Jenkins

















XebiaLabs

Deliver Faster

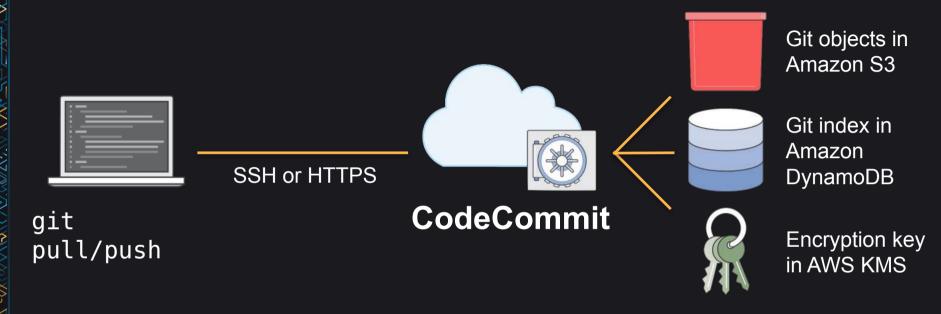


≡BlazeMeter



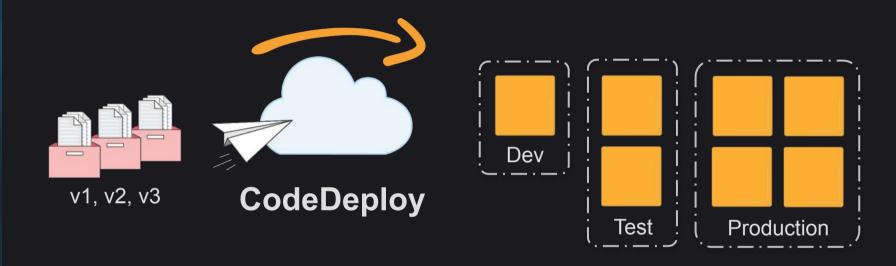
Ghost Inspector

AWS CodeCommit



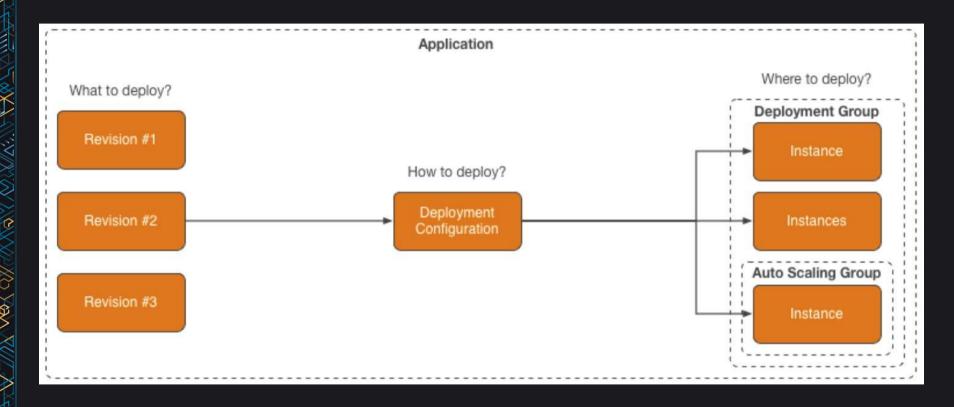
Use standard Git tools
Scalability, availability and durability of Amazon S3
Encryption at rest with customer-specific keys

AWS CodeDeploy

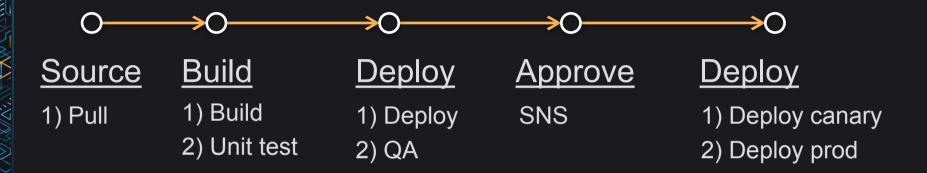


Easy and reliable deployments (zero downtime, rollbacks)
Scale with ease (support for Auto Scaling groups)
Deploy to any server (Linux / Windows, EC2 / on-premise)

AWS CodeDeploy Key Components

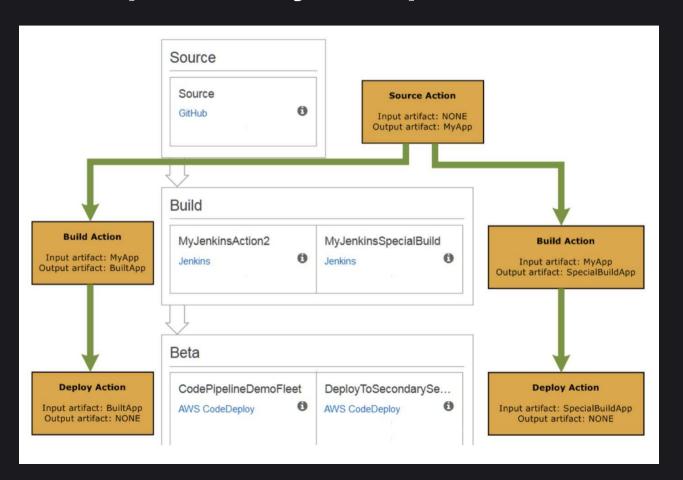


AWS CodePipeline



Define stages: Source, Build, Test, Deploy, Invoke, Approve Connect to best-of-breed tools
Accelerate your release process
Consistently verify each release

AWS CodePipeline Key Components





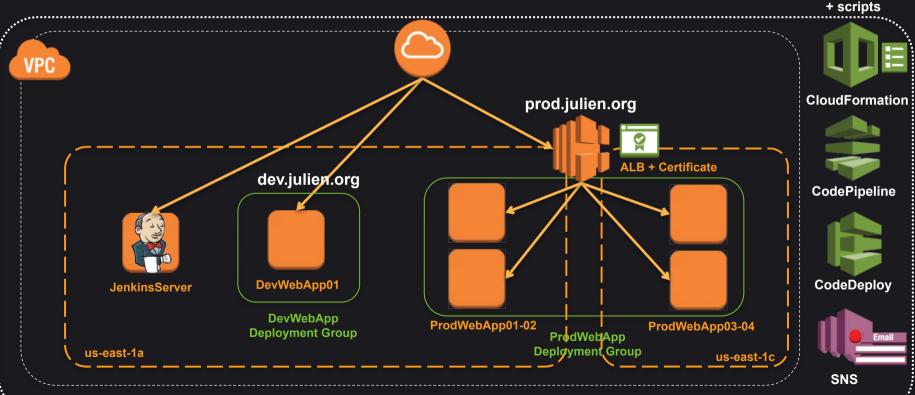
AWS Code* demo

us-east-1

Source (GitHub) → Build (Jenkins) → Deploy Dev (CodeDeploy)

→ Approve (SNS Email) → Deploy Prod (CodeDeploy)





APPROVAL NEEDED: AWS CodePipeline app-name-Pipeline for action My Approval

Approve or reject: https://console.aws.amazon.com/codepipeline/home?region=us-east-1#/view/app-name-Pipeline/Approval/My_Approval/appro





--Pipeline Details--

Stage name: Approval Action name: My_Approval

Region: us-east-1

--Approval Details--

Email JS

Pipeline name: app-name-Pipeline

Content to review: http://dev.julien.org

ve/0bba2e19-4c19-4a74-87de-cdc1f9612613

11:15 =

Hello.

The following Approval action is waiting for your response:





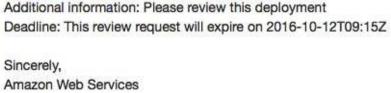












Next steps

LEARN MORE

aws.amazon.com/awscode

blogs.aws.amazon.com/application-management

blogs.aws.amazon.com/application-management/post/Tx2CIB02ZO05ZII/Explore-

Continuous-Delivery-in-AWS-with-the-Pipeline-Starter-Kit

GET STARTED

aws.amazon.com/fr/free

console.aws.amazon.com

AWS User Groups



Lille

Paris

Rennes

Nantes

Bordeaux

Lyon

Montpellier

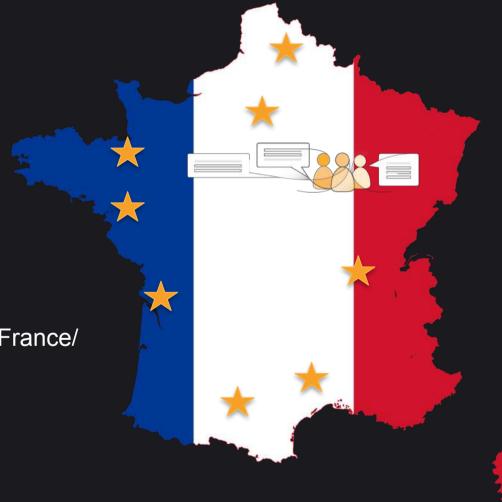
Toulouse



facebook.com/groups/AWSFrance/



@aws_actus



AWS Enterprise Summit – 27/10/2016, Paris



http://amzn.to/1X2yp0i



Thank you!

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