



DevOps



CERTIFICACIÓN
Universitaria



UNC



FCEFyN

mE

Encuentro “1”

Alejandro Bernal Collazos



UNC



FCEFyN



Acuerdos...



Silenciar el micrófono si no estamos hablando



Encender la cámara



Aportar, Participar idealmente por el chat



Sesión grabada



alejandro@alejandro.bio

PROFESOR

Alejandro Bernal

Actualmente

1. Operations Engineer : Upwork
2. Site Reliability Engineer : Bairesdev
3. Freelancer
4. Trainer de DevOPs
5. Linux System Administrator
6. Software Engineer

Tema a desarrollar

AGENDA

- 1 Qué es DevOps ?
- 2 Por qué ?
- 3 Principios
- 4 Referencias
- 5 Guías iniciales
- 6 Objetivo del curso
- 7 Estructura del curso
- 8 Introducción al curso
- 9 Repaso
- 10 Trabajo
- 11 Feedback



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1 Qué es DevOps ?



Una Cultura

Conjuntos de

- Creencias
- Saberes
- Hábitos
- Materiales / Herramientas

Que usan sus miembros para comunicarse entre sí y resolver necesidades de todo tipo





2 Por Qué ?

Queremos servicios excelentes

NETFLIX

amazon
web services™



Imaginás

- Desarrolladores
- QA
- Operaciones
- Seguridad
- Negocio

Trabajando juntos

para un **objetivo en común**

logrando un producto o servicio con

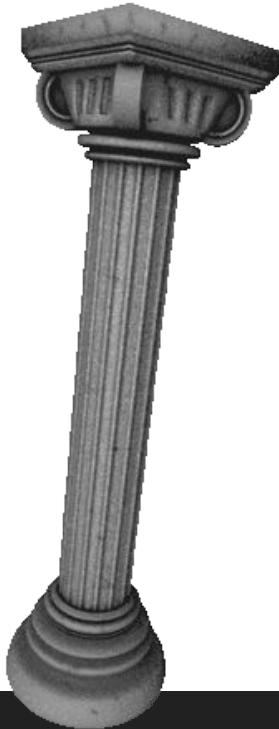
- Estabilidad
- Fiabilidad
- Disponibilidad
- Seguridad

?

Imagine a World Where Dev and Ops Become DevOps An Introduction to The DevOps Handbook

Imagine a world where product owners, Development, QA, IT Operations, and Infosec work together, not only to help each other, but also to ensure that the overall organization succeeds. By working toward a common goal, they enable the fast flow of planned work into production (e.g., performing tens, hundreds, or even thousands of code deploys per day), while achieving world-class stability, reliability, availability, and security.

3 Principios



Flujo

Retro
Alimentación

Mejora
Continua

CREENCIAS

HABITOS

CREENCIAS

HABITOS

CREENCIAS

HABITOS

Flujo

Retro Alimentación

Mejora Continua

Se puede ir a prod con

- Velocidad
- Confiabilidad
- Costos bajos
- Riesgos bajos

- Integración Continua
- Entrega Continua
- Deploy Continua

Se medir

- Software
- Infraestructura
- Negocio
- Ataques

Recolección, análisis y visualización de datos desde

- Software
- Infraestructura
- Negocio

Creemos en estos valores

- Curiosidad
- Honestidad
- Respeto
- Autocritica

- Establecemos una ambiente de trabajo justo y seguro
- Inyectamos problemas a propósito
- Experimentamos con mucha frecuencia

4 Referencias



John Willis

Gene Kim



Patrick Debois

The DevOps Transformation

From here to there and why

Ben Rockwood
Director of Systems Engineering
Joyent, Inc.



The DevOps Transformation

80,650 views • Dec 8, 2011

231 □ 7 ▲ SHARE □ SAVE

Been Rockwood



Damon Edwards

5 Guías iniciales



edX

LinuxFoundationX: LFS161x
Introduction to DevOps: Transforming and Improving Operations

Help Alejob86

Course Glossary of Abbreviations Discussion Progress Recommended Resources Notes

Introduction to DevOps: Transforming and Improving Operations

Resume Course

Expand All

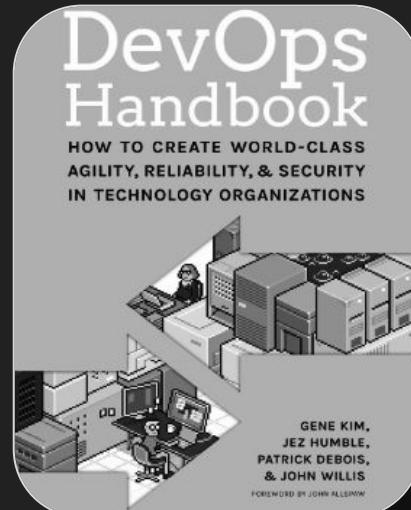
- Welcome!
- Chapter 1: Why Do DevOps?
- Chapter 2: Understanding the Value Stream
- Chapter 3: Getting Started With Devops
- Chapter 4: The First Way - Accelerate Flow
- Chapter 5: The Second Way - Amplify Feedback Loops
- Chapter 6: The Third Way - Accelerate Learning
- Final Exam

Goal: Complete the course

Course Tools
 Bookmarks
 Updates
 Upgrade to Verified

Important Course Dates
Today is Apr 17, 2019 14:20 -03
Course End
in 4 months - Aug 12, 2019

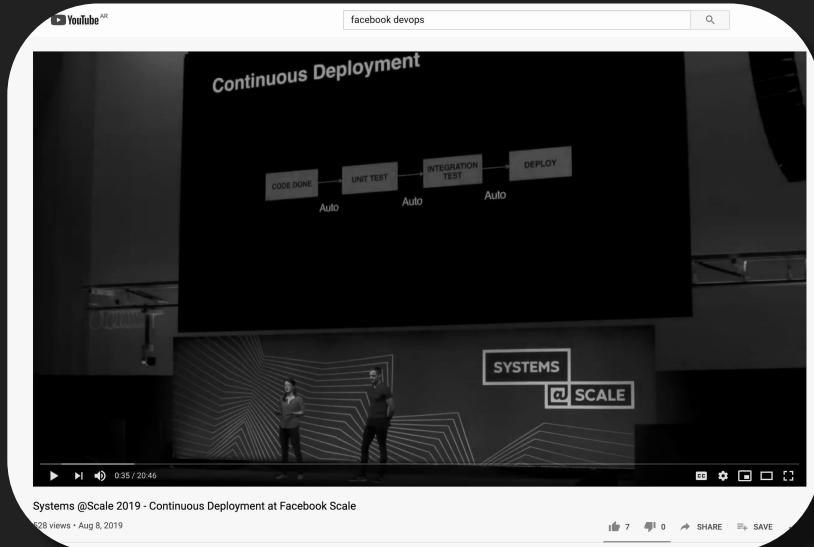
After this date, course content will be archived.



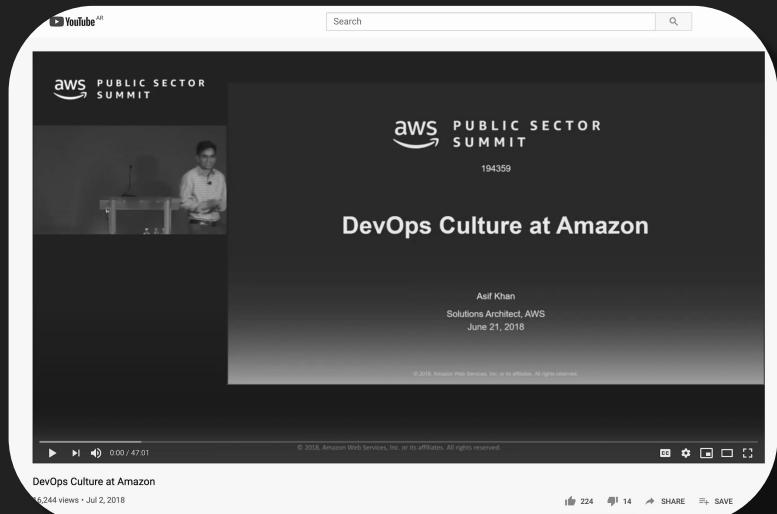


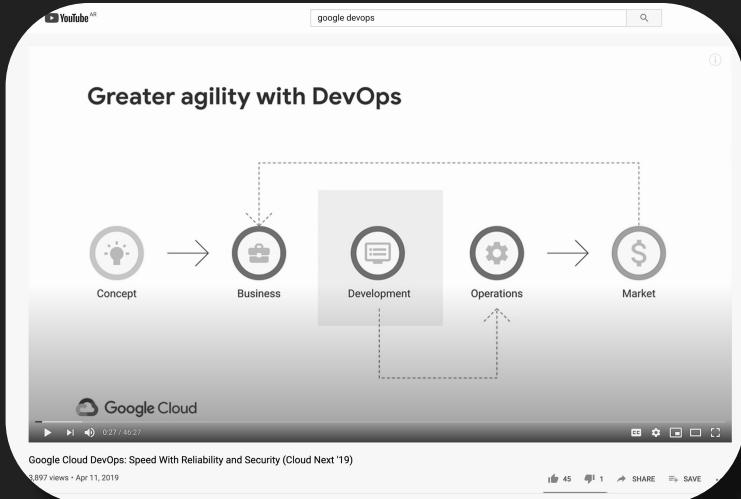
THE RESULT OF THE
NETFLIX CULTURE
LOOKS A LOT LIKE
DEVOPS

How Netflix Thinks of DevOps
229 views · Mar 19, 2018



Systems @Scale 2019 - Continuous Deployment at Facebook Scale
628 views · Aug 8, 2019





The screenshot shows the "SRE Books" section of the O'Reilly website. The page header includes links for "Home", "In Conversation", "Resources", "Hear from SRE Experts", and "SRE Books". The main content area displays three book covers:

- Building Secure & Reliable Systems** by Heather Adkins, Betsy Beyer, Paul Blankenship, Piotr Lewandowski, Ana Oprea & Adam Stubblefield. The cover features a lizard illustration.
- The Site Reliability Workbook** by Betsy Beyer, Niall Richard Murphy, David K. Renier, Kent Kawahara & Stephen Thorne. The cover features a lizard illustration.
- Site Reliability Engineering** by Betsy Beyer, Chris Jones, Jennifer Petoff & Niall Murphy. The cover features a lizard illustration.

Below each book cover are "Read online" and "View details" buttons.

6 Objetivo del curso



Entender como

- Diseñar
- Desarrollar
- Probar
- Integrar
- Desplegar
- Operar
- Mantener
- Mejorar

Software de excelente calidad

7 Estructura del curso



Humano

- Aprender a Aprender
- Construcción de equipos
- Lenguaje
- Inteligencia emocional
- Feedback
- Mejora Continua

Gestión

- Agile
- Scrum
- Kanban
- Calidad

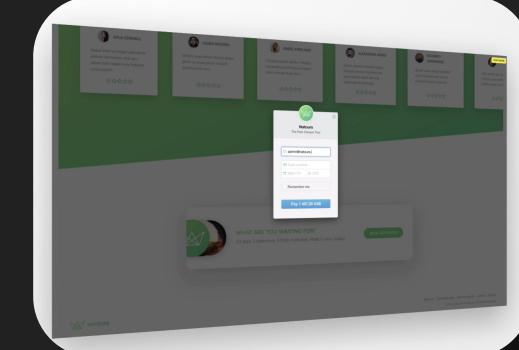
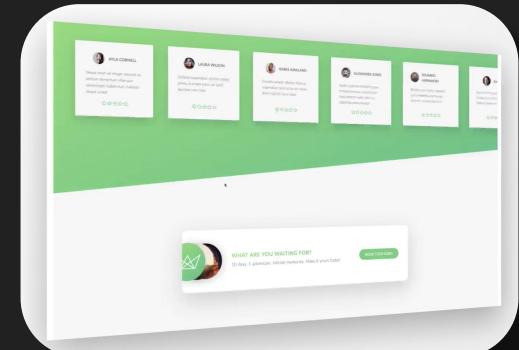
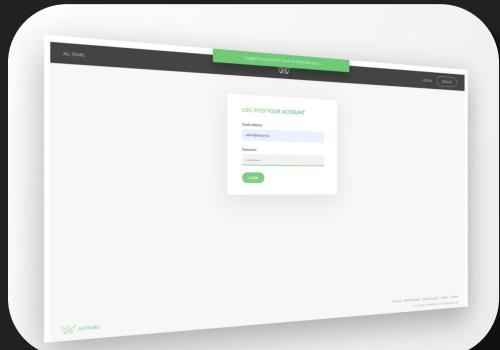
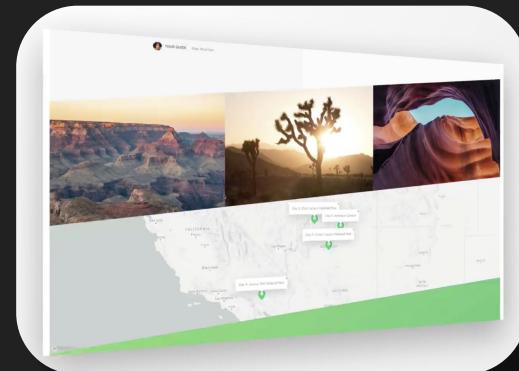
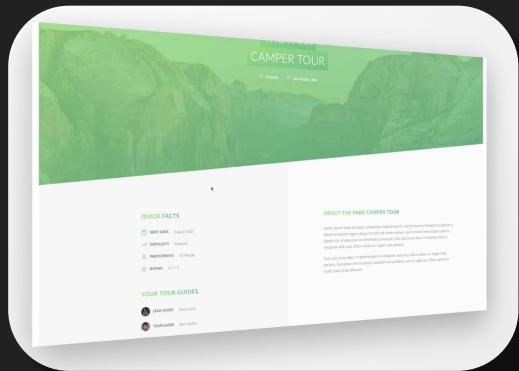
Técnico

- Arquitectura de software
- Calidad
- Networking
- Infraestructura como código
- Control de Versiones
- API's
- Frontend
- Backend
- Bases de Datos
- Seguridad
- Docker
- Kubernetes
- Jenkins : CI - CD - CD
- Monitoreo



8 Introducción al curso

Front End



E-commerce

Back End

 POSTMAN Product ▾ Use Cases ▾ Pricing Enterprise Explore APIs Learning Center Sign In Download

The Collaboration Platform for API Development

Simplify each step of building an API and streamline collaboration so you can create better APIs—faster.

[Learn More](#)



10 million Developers 500,000 Companies 250 million APIs

What is Postman?

Is there something I can help you with? 



Base de Datos



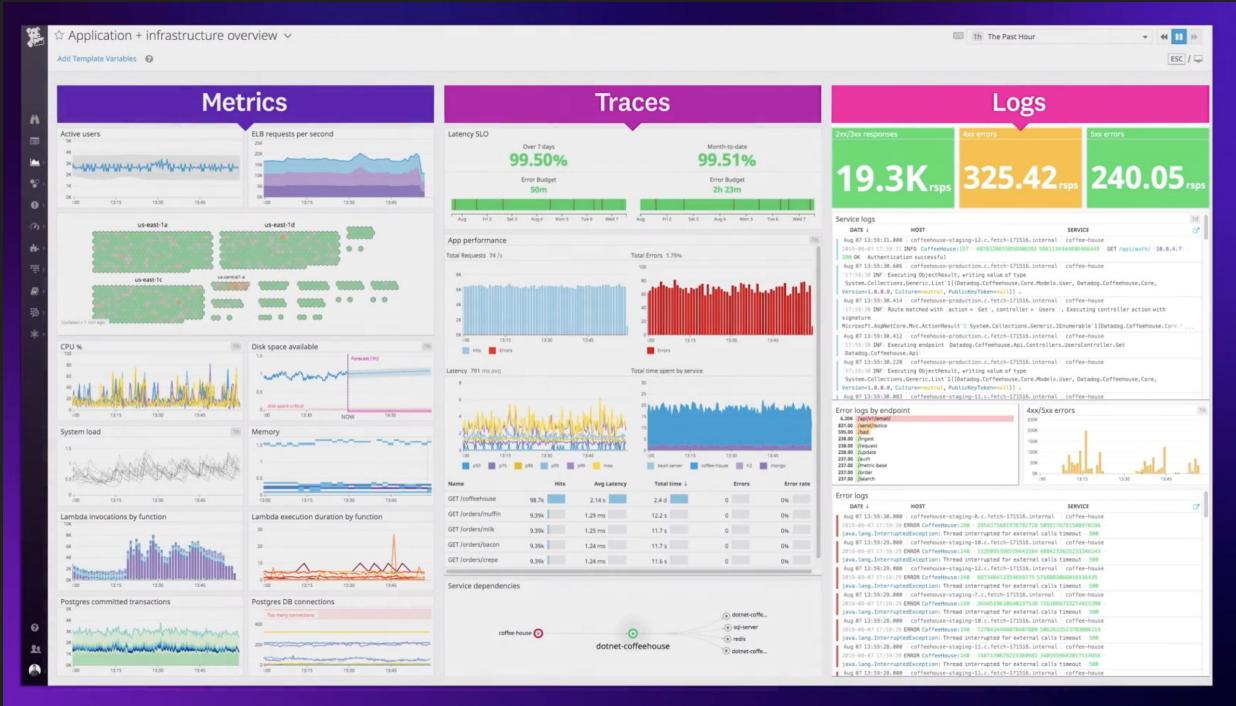
Infraestructura



kubernetes
KUBERNETES



Monitoreo



Pipeline





8 Repaso

DevOps

Es una

CULTURA



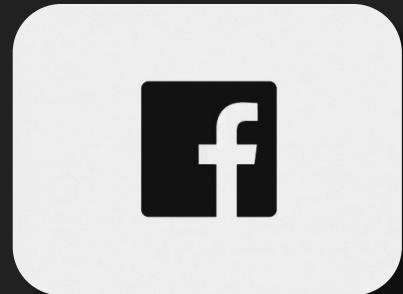
Objetivo

Hacer **Excelentes**

- servicios o productos

De una manera

- Sustentable



Siguiendo

Por lo general

Estos

Principios

- Flujo
- Retro Alimentación
- Mejora Continua



Trabajo



Damon Edwards

The DevOps Transformation

Ben Rockwood
Director of Systems Engineering
Joyent, Inc.



From here to there and why

A standard YouTube video player control bar at the bottom of the video frame, showing a play button, volume controls, and a progress bar indicating the video is 0:45 / 1:19:34 long.

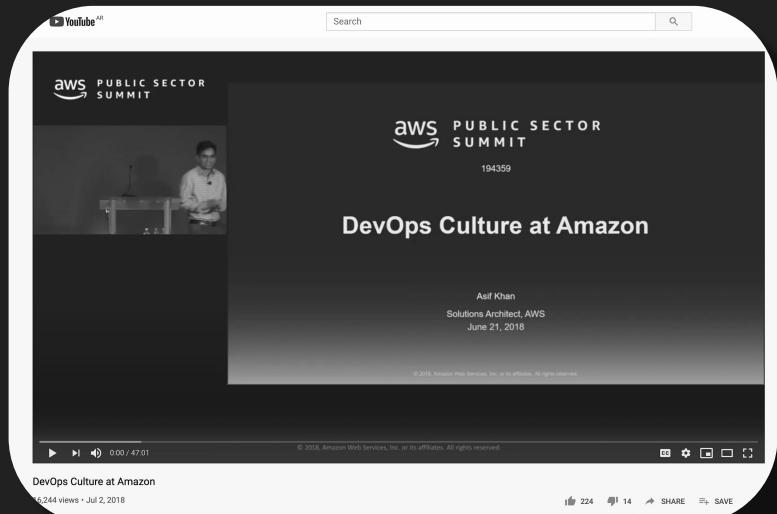


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Been Rockwood





Feedback

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Muchas gracias!

mundos E
PEOPLE & BUSINESS SCHOOL

