Where it started

The Lodge at Snowbird
February 11 – 13, 2001

(If I'm honest, probably long before)

https://www.gocd.org/

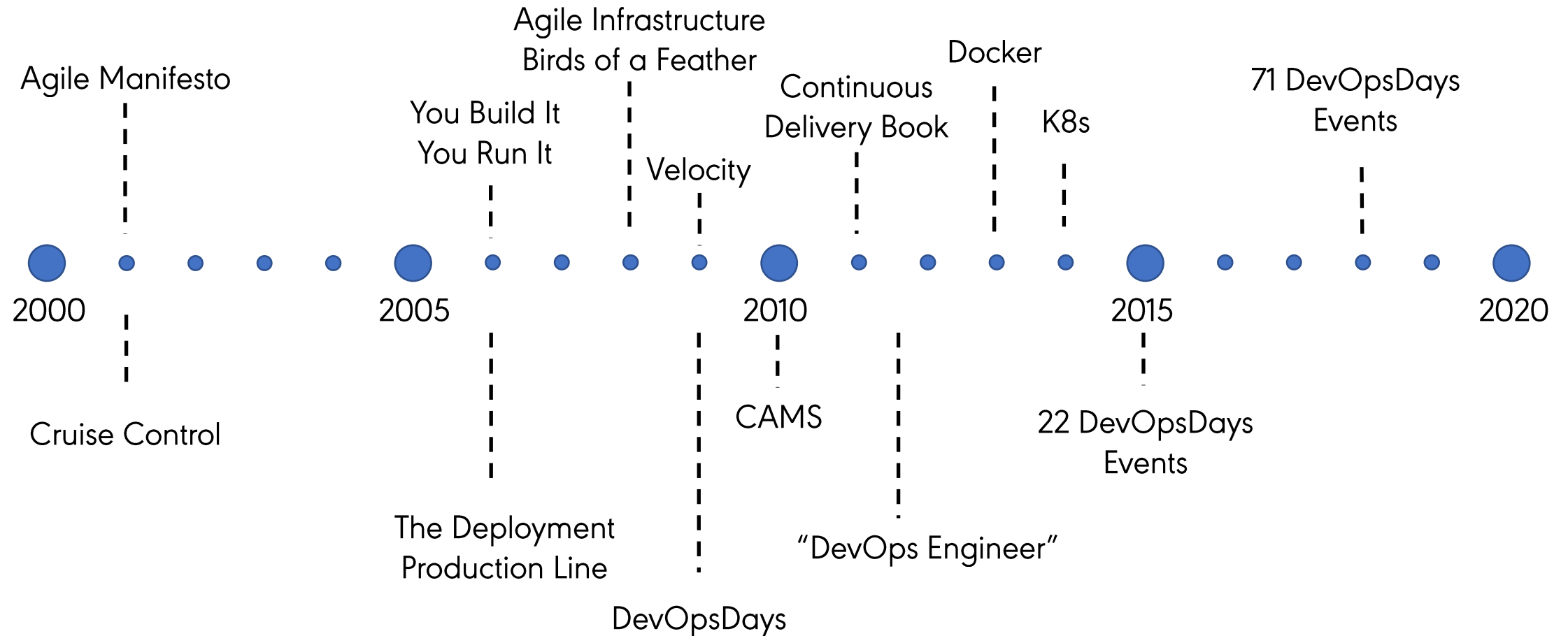*Our highest priority is to satisfy the customer through early and continuous delivery of valuable software*

http://agilemanifesto.org/principles.html

DevOps and DevOpsDays

Where It Started, Where It Is, Where It's Going

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https://www.gocd.org/

Ken Mugrage

- Share info about DevOps and Continuous Delivery for ThoughtWorks
- DevOpsDays Organizer
- Probably too caught up on definitions

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DevOps Timeline

Agile Manifesto

Cruise Control

You Build It
You Run It

The Deployment
Production Line

Agile Infrastructure
Birds of a Feather

Velocity

DevOpsDays

Continuous
Delivery Book

CAMS

"DevOps Engineer"

Docker

K8s

22 DevOpsDays
Events

71 DevOpsDays
Events

2000   2005   2010   2015   2020

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2006 – The Deployment Production Line

The Deployment Production Line

Jez Humble, Chris Read, Dan North
ThoughtWorks Limited
jez.humble@thoughtworks.com, chris.read@thoughtworks.com, dan.north@thoughtworks.com

Abstract

Testing and deployment can be a difficult and time-consuming process in complex environments comprising application servers, messaging infrastructure and interfaces to external systems. We have seen deployments take several days, even in cases where teams have used automated builds to ensure their code is fully tested.

In this paper we describe principles and practices which allow new environments to be created, configured and deployed to at the click of a button. We show how to fully automate your testing and deployment process using a multi-stage automated workflow. Using this "deployment production line", it is possible to deploy fully tested code into production

several application streams that share parts of their code base, such as libraries and frameworks.

One solution to these problems is to automate fully the build, testing and deployment process. Automating this process in the early stages of your project is of immediate worth. Not only does it save developers time, but it also helps detect problems with deployment early on in the development cycle, where fixing the problem is cheaper.

Furthermore, automating the entire deployment process embodies a key agile practice – making your code (in this case your deployment scripts) your documentation. One benefit gained from this practice is that your build and deployment scripts capture your deployment and environment testing process, and can be leveraged to give you rapid feedback not just on the

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"You build it, you run it"

https://queue.acm.org/detail.cfm?id=1142065

"Giving developers operational responsibilities has greatly enhanced the quality of the services, both from a customer and a technology point of view. The traditional model is that you take your software to the wall that separates development and operations, and throw it over and then forget about it. Not at Amazon.

You build it, you run it.

This brings developers into contact with the day-to-day operation of their software. It also brings them into day-to-day contact with the customer. This customer feedback loop is essential for improving the quality of the service."

https://queue.acm.org/detail.cfm?id=1142065

2008 – Birds of a Feather

- Agile Infrastructure discussion proposed by Andrew Clay Shafer

- One person attended… Patrick Debois

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https://www.gocd.org/

2009 – Velocity and DevOpsDays

Andrew Clay Shafer 雷启理
@littleidea

Ops: Provide constructive feedback on current aches and pains. #velocityconf #collaborate #devops

1:44 PM - 23 Jun 2009

Patrick Debois
@patrickdebois

DEV meets OPS, OPS meets DEV @devopsdays '09 conference Ghent, Belgium 30,31/Oct. http://www.devopsdays.org

10:31 AM - 22 Jul 2009

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https://www.gocd.org/

Nobody knows the actual name

DevOpsDays

Devopsdays

DevopsDays

DevOps Days

A unique schedule

- Single track of curated content in the morning
- Attendee driven open space discussions in the afternoon

"As far as I was concerned, DevOpsDays was just for the open spaces. But I knew no company would send their people to attend if there weren't talks too"

- @littleidea paraphrased by @mattstratton

But what is DevOps?

- Founders avoided a specific definition
- A bunch of people came up with their own

2010 – CAMS

- Culture

- Automation

- Measurement

- Sharing

https://blog.chef.io/2010/07/16/what-devops-means-to-me/

https://www.gocd.org/

2010 – CALMS

- Culture
- Automation
- Lean
- Measurement
- Sharing

https://blog.chef.io/2010/07/16/what-devops-means-to-me/

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Others...

DevOps is the union of people, process, and products to enable continuous delivery of value to our end users.

http://donovanbrown.com/post/what-is-devops

DevOps: A culture where people, regardless of title or background, work together to imagine, develop, deploy and operate a system.

https://kenmugrage.com/2017/05/05/my-new-definition-of-devops/

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https://www.gocd.org/

2010 – Continuous Delivery

- Born out of project failures
- Formalized many practices
- The A part of calms
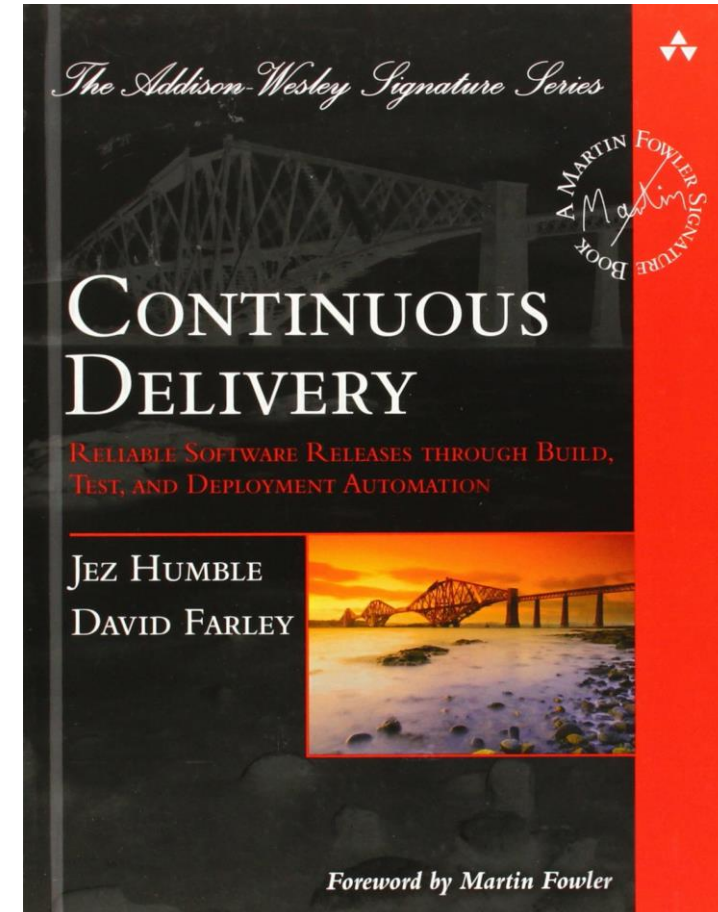
2011 – DevOps became a buzzword

- A few things most early practitioners agree on...
  - DevOps Engineer shouldn't be a job title
  - DevOps certifications shouldn't exist
  - There's no such thing as a DevOps Tool
  - DevOps teams can hurt more than they help

2013 – Docker changes the world

- No, they weren't first. Not even close.
- Made it easier for applications to be deployed to platforms

https://www.gocd.org/

2014 – Kubernetes

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https://www.gocd.org/

But you just said DevOps isn't tools!

https://www.gocd.org/

DevOps and DevOpsDays Today

Accelerate State of DevOps Report

Aspect of Software Delivery Performance	Elite[a]	High	Medium	Low
Deployment frequency For the primary application or service you work on, how often does your organization deploy code?	On-demand (multiple deploys per day)	Between once per hour and once per day	Between once per week and once per month	Between once per week and once per month
Lead time for changes For the primary application or service you work on, what is your lead time for changes (i.e., how long does it take to go from code commit to code successfully running in production)?	Less than one hour	Between one day and one week	Between one week and one month[b]	Between one month and six months[b]
Time to restore service For the primary application or service you work on, how long does it generally take to restore service when a service incident occurs (e.g., unplanned outage, service impairment)?	Less than one hour	Less than one day	Less than one day	Between one week and one month
Change failure rate For the primary application or service you work on, what percentage of changes results either in degraded service or subsequently requires remediation (e.g., leads to service impairment, service outage, requires a hotfix, rollback, fix forward, patch)?	0-15%	0-15%	0-15%	46-60%

https://cloudplatformonline.com/2018-state-of-devops.html

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https://www.gocd.org/

DevOpsDays 2018

Amsterdam	Chattanooga	Istanbul	Panamá	Shanghai
Atlanta	Chicago	Jakarta	Paris	Shenzhen
Austin	Columbus	Kansas City	Philadelphia	Silicon Valley
Baltimore	Copenhagen	Kazan	Phoenix	Singapore
Beijing	Dallas	Kiel	Portland	Taipei
Belém	Denver	Kiev	Porto Alegre	Tel Aviv
Belo Horizonte	Des Moines	London	Raleigh	Tokyo
Bengaluru	Detroit	Los Angeles	Riga	Toronto
Berlin	Edinburgh	Maringá	Rio De Janeiro	Vancouver
Boise	Florianópolis	Minneapolis	Salt Lake City	Victoria
Boston	Fortaleza	Montreal	Salvador	Warsaw
Cairo	Galway	Moscow	Santa Maria	Washington, DC
Cape Town	Hartford	New York City	São Paulo	Wellington
Charlotte	Indianapolis	Newcastle	Seattle	Zürich
		Oslo		

Reality Check

in   🔍 devops engineer   ◉ Worldwide

Jobs ▾   Date Posted ▾   LinkedIn Features ▾

Showing 107,324 results   Sort by: Relevance ▾   ▭ Split View ▾

devops tools

All   Images   New

About 30,900,000 results

Go🔴gle   devops team   🎤 🔍

All   Images   News   Videos   Shopping   More   Settings   Tools

About 32,400,000 results (0.62 seconds)

There's No Such Thing as a "Devops Team" - Continuous Delivery
https://continuousdelivery.com/2012/10/theres-no-such-thing-as-a-devops-team/ ▾
Oct 19, 2012 - In a fit of rage caused by reading yet another email in which one of our customers proposed creating a "**devops team**" so as to "implement" ...

DevOps Team Structure | MuleSoft
https://www.mulesoft.com/resources/api/devops-team-structure ▾
Steps for Building a Successful **DevOps Team** Structure Organizations must build the **DevOps team** structure necessary to evangelize and implement key ...

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https://www.gocd.org/

Google

devops team

All   Images   News   Videos   Shopping   More   Settings   Tools

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Steps for Building a Successful **DevOps Team** Structure Organizations must build the **DevOps team** structure necessary to evangelize and implement key ...

DevOps is Dead. Long Live DevOps.

Ken Mugrage
@kmugrage

Replying to @bridgetkromhout @KrisBuytaert and 2 others

serverless is an implementation detail.
"choose serverless, containers, whatever"

IMO DevOps was supposed to be about orgs working together regardless of tech stack and tools.

The past tense is intentional.

I know I'm late to the "DevOps is dead" party, but I'm there now.

11:44 AM - 11 Sep 2018

@kmugrage

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*You get the DevOps
you deserve*

- Andrew Clay Shafer

It's not important which definition of DevOps you adopt.

It is important that you have one

- Me

Where is DevOps going?

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https://www.gocd.org/

It will be decided by you

https://www.gocd.org/

Open Spaces This Afternoon

- Start thinking about topics you want to propose
- You'll have a chance to propose them at 14:30

https://www.devopsdays.org/open-space-format/

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Thank You!

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https://www.gocd.org/